MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT

DOCKET #04-22
Initial and Supplement

COMPANY: Mountaire Farms, Inc. – Westover Feed Mill

LOCATION: 30607 Revels Neck Road, Westover, MD 21871

APPLICATION: Installation of grain handling equipment and grain dryer at an existing feed mill

ITEM	DESCRIPTION
1	Notice of Application and Informational Meeting
2	Permit to Construct Application Forms
3	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, Inc. – Westover Feed Mill on December 22, 2021 for the installation of grain handling equipment and grain dryer at an existing feed mill. The proposed installation will be located at 30607 Revels Neck Road, Westover, MD 21871.

The application and other supporting documents are available for public inspection on the Department's website. Look for Docket #04-22 at the following link:

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

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. All requests for an informational meeting should be emailed to Ms. Shannon Heafey at shannon.heafey@maryland.gov.

Further information may be obtained by contacting Ms. Shannon Heafey by email at shannon.heafey@maryland.gov or by phone at (410) 537-4433.

George S. Aburn, Jr., Director
Air and Radiation Administration

December 22, 2021

Maryland Department of the Environment
Attn: Mr. Matthew Hafner, Chemical Unit Lead Engineer
Air Quality Permits Program
Air and Radiation Administration
1800 Washington Boulevard
Baltimore, Maryland 21230

Ref: Westover Feed Mill

Dear Mr. Hafner:

Please find attached the applications to construct all equipment that was removed at the Westover Feed Mill due to the dust explosion that occurred on October 11, 2021.

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

Best Regards,

Kyle McConnell

Kyle McConnell
Environmental Manager
Mountaire Farms Inc.
(302) 841-4629
kmcconnell@mountaire.com

Environmental Assessment
Mountaire Farms Inc. – Westover Feed Mill

Updated: 12/21/2021

Introduction:

This Environmental Assessment has been completed for the Westover Feed Mill Facility to provide up to date information to the Maryland Department of the Environment while also being part of the application for a Permit to Construct and apply for a State Operating Permit.

Current Registration Numbers and Corrections Needed:

039-0072-8-0032 – Feed Ingredient Truck Pit, **Note 1: no control device**

039-0072-8-0031 – Corn Rail Unloading Pit, **Note 2: no control device**

039-0072-8-0022 – Soybean Rail Dump **(This should be rail feed ingredient receiving pit, currently DDG and Soymeal is received at this location), Note 3: no control device**

039-0072-4-0085 – Cleaver Brooks CB 50-5-200, **this boiler is no longer on site, needs to be removed from registration list.**

039-0072-4-0096 – Cleaver Brooks CB200-200-150, **this boiler is no longer on site, needs to be removed from registration list.**

039-0072-5-0017 – Cleaver Brooks CBLE400 propane fired boiler rated at 13.39 MMBTU/hr with oil back up

039-0072-8-0028 – Two champion hammermills rated at 25 tons/hr with a baghouse

039-0072-8-0029 – One Zimmerman Dryer rated at 4500 bph – needs to be de-registered.

039-0072-8-0027 – Once Zimmerman Dryer rated at 4000 bph – needs to be de-registered.

039-0072-8-0039 – One 75 ton/hr feed mill pellet line equipped with HE multi-cyclone (collectors)

Unknown Registration Number – Truck (Corn) unloading pit, should be changed to Truck (Grain) Receiving Pit, **Note 3: no control device**

Items never registered:

1 baghouse for salt delivery – salt is blown into the assigned feed mill concrete storage bin via totally enclosed pipe.

1 baghouse for major and minor scale

1 major and minor scale

1 central vac unit

1 rail receiving feed ingredient pit, it is currently registered as a soybean rail pit

Facility Information:

The Westover Feed Mill was purchased by Mountaire from Tyson Foods in 2003. The facility was originally operated by Hudsons Foods around January of 1974. Mountaire made the purchase to manufacture poultry feed for Mountaire however the site also operates as a grain facility for receiving and shipping soybeans and wheat. Having the ability to receive other grains (wheat and soybeans) allows Mountaire to be competitive in the grain industry while also making it easier on local farmers to have a place in the direct location of their crops which reduces travel time. All the accepted wheat and soybeans are loaded out via truck to be transported to another Mountaire Grain Facility for export. All corn received is processed at the feed mill to produce poultry feed for Mountaire.

The feed mill operates (2) two hammer mills equipped with a baghouse and (1) pellet line equipped with cyclones to control emissions for feed manufacturing. To manufacture poultry feed the feed mill utilizes additional feed ingredients that includes trace minerals, DDG, lime stone, phosphorus and soymeal. Steam is produced by a on site boiler using propane for fuel to operate the mill equipment while also being permitted to utilize distillate fuel oil for backup. On the grain side of the mill (2) two Zimmerman Grain Dryers utilizing propane for fuel are operated to dry all received wet grains.

Based on the facility upgrades over the years the facility will be subject to the New Sources Performance Standards for a grain terminal while also being subject to the Prepared Feeds Manufacturing, National Standards for Hazardous Air Pollutants (NESHAP).

Storage Tanks –

Number of Tanks	*Max Storage Capacity Each (bushels)*	
1 (South Tank), Silo 2	695,000 Bushels	
1 (North Tank), Silo 1	1,200,000 bushels	
Wet Tank 1 (removed)	60,000 bushels	
Wet Tank 2 (removed)	60,000 bushels	
Wet Tank 1	60,000 bushels (new)	
Wet Tank 2	60,000 bushels (new)	
	Total Tank Storage Capacity	**2,015,000 bushels**

Agriculture Bag Temporary Storage Capability

Number of Bags	**Max Storage Capacity per Bag**	
25	35,000 bushels	
	Total Ag Bag Storage Capacity	**875,000 bushels**

- **Total Facility Storage Capability: 2,890,000 bushels**

Current Gravity Truck Load Outs (Side Draws) -

Side Draw Locations	***Number of Side Draws***	***Rated BPH***
South Tank – Side Draw 1	1	6000
South Tank – Side Draw 2	1	6000
Wet Tank 1- Side Draw 3 (New)	1	15,000
Total Number of Side Draws	**3**	

Mechanical Truck Load Outs –

Mechanical Loadout Locations	***Number of Mechanical Loadouts***	***Rated BPH or TPH***
Mechanical Grain Loadout – MGLO-1 (removed)	1	4000 BPH
Mechanical Grain Loadout – MGLO – 1 (new)	1	15,000 BPH (New)
Mechanical Finished Feed Loadout – MFFLO-1	1	75 TPH
Total Number of Mechanical Loadouts	**2**	

Truck Receiving Pits –
Note: Since there is only (1) one grain receiving leg and (1) one feed ingredient receiving leg there is no means for the facility to simultaneously unload grain or feed ingredients from the respective areas.

Load In Locations	***Number of Load Ins***	***Rated BPH or TPH***
Truck Receiving Pit (Grain) – TRG-1	1	20000 BPH
Truck Receiving Pit (Feed Ingredients) – TRFI-2	1	390 TPH
Rail Receiving Pit (grain) – RRG-1	1	19372 BPH
Rail Receiving Pit (soft stock feed ingredients) – RRFI-2	1	390 TPH
Total Number of Load Ins	**4**	

Grain Dryer

Type	***Number of Dryers***	***Rated BPH***
Zimmerman VT 4036 (removed)	1	4000
Zimmerman VT 4500 (removed)	1	4500
Zimmerman Model 10090 (New)	1	10000 BPH
Total Number of Dryers	**1**	Max 10,000 BPH

Legs

Leg Name	Purpose	Rated BPH or TPH
Feed Ingredient Receiving Leg – FIRL 1	Accepts feed ingredients from the truck feed ingredient receiving pit TRFI-2 and the rail feed ingredient receiving pit RRFI-2	390 TPH
Grain Receiving Leg – GRL 1(removed)	Accepts all grains from the grain truck receiving pit TRG-1 and the grain rail receiving pit RRFI-2	19372 BPH
Grain Receiving Leg – GRL (new)	Accepts all grains from the grain truck receiving pit TRG-1 and the grain rail receiving pit RRFI-2	20000 BPH
Mash Leg – ML1		4558 BPH
Pellet Leg – PL1	Transfers corn to the pellet mill	4645 BPH
Grinding Leg – GL1	Transfers corn to the hammermill	5167 BPH
Wet Leg – WL1 (removed)	**Transfers wet grain to the dryers**	**7102 BPH**
Wet Leg – WL1 (new)	Transfers wet grain to the dryer	15,000 BPH
Dry Leg – DL1 (removed)	**Transfer dry grain out of the dryers**	**6978 BPH**
Dry Leg – DL1 (New)	Transfer dry grain out of the dryers	6978 BPH
Transfer Leg (removed)	**Transfers Grain throughout the facility**	**8267 BPH**
Transfer Leg (New)	Transfers grain throughout the facility	5000 BPH

Note: All legs are totally enclosed.

Control Devices

Device Type	Location	Manufacturer
Baghouse (BH-1)	Hammer Mill	Airlanco 49 AST10-Style II
Cyclones	Pellet Mill	HE Multi-cyclones
Baghouse (BH-2)	Salt bin	Airlanco
Baghouse (BH-3)	Major and Minor Scales	Airlanco
Dust Sock	Mechanical Grain Loadout 1	Varies
Mineral Oil	Grain Drag before elevator	Edward J. Heck & Sons Co.
Baghouse (BH-4)	Truck Receiving Pit (Grain) – TRG-1	Bin vent style filter 2,525 sq. ft.
Central vac system	Every floor of the feed mill	Walinga
Baghouse (BH-5)	Truck Feed Ingredient Receiving Pit	Carbon steel baghouse with 1,000 sq. ft. cloth

Current Control Technologies in Place:

Grain Side:

- **Dust sock on the grain loadout spout.**

Feed Mill Side:

- **Baghouse for salt receiving.**
- **Baghouse for feed ingredient mixing scales.**
- **Baghouse for the hammer mills.**
- **Cyclone for the pellet cooler.**

Additional Control Technologies to be installed:

Grain Side:

- **Mineral oil application for all grains received (corn, wheat, soybeans etc.)**
- **Baghouse for truck grain receiving pit.**

Feed Mill Side:

- **Baghouse for truck feed ingredient pit.**

Feed Ingredients Utilized to Manufacture Poultry Feed:

1. Trace Mineral Premix with Chromium
2. Deflourinated Phosphate
3. Limestone
4. Sodium Sesquacarbonate

The above listed feed ingredients are received into the feed mill via the truck feed ingredient

receiving pit. Safety Data Sheets are attached.

Note: The usual amount of trace minerals is one load per month at 25 tons per load. The trace minerals are unloaded at a rate of 12.5 tons per hour.

Updated Air Emissions – Potential

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) 19,469.8	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	19,469.8	0%	0.18	1.75	0%	0.059	0.57	0.01	0.10
	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	19,469.8		0.086	0.84		0.029	0.28	0.0049	0.05
	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]		38,939.6		0.061	1.19		0.034	0.66	0.0058	0.11
Grain Cleaning[3]		0.0		0.375	0.00		0.095	0.00	0.016	0.00
Storage Bin (vent)		19,469.8		0.025	0.24		0.0063	0.06	0.0011	0.01
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	0.0		0.22	0.00		0.055	0.00	0.0094	0.00
Total tons of emissions (excluding dryer combustion)					4.02			1.58		0.27

Air emissions for feed mills - Potential emissions

Facility information for emission calculations

Facility name: Westover Feed Mill

Max. capacity: 373,677 tons/year

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

Do you have a traditional facility with a headhouse? Yes

			Total capacity (ton per hour)
Do you have any milling equipment?	Yes		
If yes, what type(s)?	Hammermill	Yes	85
	Flaker	No	
	Cracker	No	

Total milling capacity

85	ton per hour
744,600	ton per year

Do you do pellet cooling? Yes

If yes, what is your pellet cooling capacity? 65 (ton per hour)

Do you clean the grain at some point? No

If yes, what is the total grain cleaning capacity? ton per hour

			Total capacity (ton per hour)
Do you have 1 or more grain dryers?	No		
If yes, what type(s)?	Rack dryer	No	
	Rack dryer with self cleaning screen (<50 mesh)	No	
	Column dryer	Yes	5551.4

Drying Capacity

5,551	ton per hour
48,630,264	ton per year

Feed mill 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) 373677.0	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/2000
Corn Receiving Truck		373677.0		0.18	33.63		0.059	11.02	0.01	1.87
Feed Loadout		373677.0		0.0033	0.45		0.0008	0.11	0.0008	0.11
Feed Ingredient Receiving		713230		0.025	0.89		0.0063	0.16	0.0011	0.04
Milling	Hammermill[1]	373677.0		0.768	143.40		0.384	71.70	0.384	71.70
	Flaker[2]	0.0		0.75	0.00		0.375	0.00	0.375	0.00
	Cracker[2]	0.0		0.12	0.00		0.06	0.00	0.06	0.00
Pellet Cooler[3]		373677.0	0%	1.65	308.28	0%	0.825	154.14	0.825	154.14
Headhouse & Grain Handling[4]		1572531.0		0.061	47.96		0.034	26.73	0.0068	4.56
Ag Bag Operation		6600.0		0.18	0.59		0.059	0.19	0.01	0.03
Storage Bin (vert)		1127531.0		0.025	14.09		0.0063	3.55	0.0011	0.62
Grain Drying	Rack	0.0		3	0.00		0.75	0.00	0.13	0.00
	(<50 mesh)	0.0		0.47	0.00		0.12	0.00	0.02	0.00
	Column	373677.0		0.22	41.10		0.055	10.28	0.0094	1.76
Total tons emissions (excluding combustion from dryers)					**590.40**			**277.89**		**234.83**

Updated Air Emissions – With Controls

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

a		b	c	d	e	f	g	h	h	i
Activity		Actual Throughput (tons/year)	PM Control Efficiency[1] (% control)	PM Emission Factor (lb/ton)	PM Emissions (tons/year) b*d*(1-c)/2000	PM_{10} Control Efficiency[1] (% control)	PM_{10} Emission Factor (lb/ton)	PM_{10} Emissions (ton/year) b*g*(1-f)/2000	$PM_{2.5}$ Emission Factor (lb/ton)	$PM_{2.5}$ Emissions (ton/year) b*h*(1-f)/2000
Receiving	Truck straight	19,439.8	99%	0.18	0.02	99%	0.059	0.01	0.01	0.00
	Truck hopper	0.0	0%	0.035	0.00	0%	0.0078	0.00	0.0013	0.00
	Rail	0.0	0%	0.032	0.00	0%	0.0078	0.00	0.0013	0.00
	Barge unloading	0.0	0%	0.029	0.00	0%	0.0073	0.00	0.0019	0.00
	Barge marine leg	0.0	0%	0.15	0.00	0%	0.038	0.00	0.005	0.00
	Ship	0.0	0%	0.15	0.00	0%	0.038	0.00	0.005	0.00
Loadout / Shipping	Truck unspecified	19,439.8	60%	0.086	0.33	60%	0.029	0.11	0.0049	0.02
	Railcar	0.0	0%	0.027	0.00	0%	0.0022	0.00	0.00037	0.00
	Barge	0.0	0%	0.016	0.00	0%	0.004	0.00	0.00055	0.00
	Ship	0.0	0%	0.048	0.00	0%	0.012	0.00	0.0022	0.00
Headhouse & Handling[6]		38,939.6	60%	0.061	0.48	60%	0.034	0.26	0.0058	0.05
Grain Cleaning[6]		0.0	0%	0.375	0.00	0%	0.095	0.00	0.016	0.00
Ag Bag Operation		58,409.4	60%	0.061	0.71	60%	0.034	0.40	0.0058	0.15
Storage Bin (vent)		19,439.8	60%	0.025	0.10	60%	0.0063	0.02	0.0011	0.00
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	0.0	0%	0.22	0.00	0%	0.055	0.00	0.0094	0.00
Total tons emissions (excluding combustion from dryers)					**1.64**			**0.81**		**0.22**

Air emissions for feedmills - Actual emissions

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

a Activity		b Maximum Capacity (tons/year)	c PM Control Efficiency[1] (%control)	d PM Emission Factor (lb/ton)	e PM Emissions (tons/year) b*d*(1-c)/2000	f PM_{10} Control Efficiency[1] (%control)	g PM_{10} Emission Factor (lb/ton)	h PM_{10} Emissions (ton/year) b*g*(1-f)/2000	h $PM_{2.5}$ Emission Factor (lb/ton)	i $PM_{2.5}$ Emissions (ton/year) b*h*(1-f)/2000
Corn Receiving Truck		373677.0	99%	0.18	0.34	99%	0.059	0.11	0.01	0.02
Feed Loadout		373677.0	0%	0.0033	0.62	0%	0.0008	0.15	0.0008	0.15
Feed Ingredient Receiving		713230	99%	0.025	0.01	99%	0.0063	0.00	0.0011	0.00
Milling	Hammermill[5]	373677.0	99%	0.768	1.43	99%	0.384	0.72	0.384	0.72
	Flaker[6]	0.0	0%	0.75	0.00	0%	0.375	0.00	0.375	0.00
	Cracker[6]	0.0	0%	0.12	0.00	0%	0.06	0.00	0.06	0.00
Pellet Cooler[7]		373677.0	99%	1.65	3.08	99%	0.825	1.54	0.825	1.54
Headhouse & Grain Handling[8]		1572531.0	60%	0.061	19.18	60%	0.034	10.69	0.0058	1.82
Ag Bag Operation		66000	60%	0.18	0.23	60%	0.059	0.08	0.01	0.01
Storage Bin (vert)		1127531.0	60%	0.025	5.64	60%	0.0063	1.42	0.0011	0.25
Grain Drying	Rack	0.0	0%	3	0.00	0%	0.75	0.00	0.13	0.00
	(<50 mesh)	0.0	0%	0.47	0.00	0%	0.12	0.00	0.02	0.00
	Column	336309.3	60%	0.22	14.80	60%	0.055	3.70	0.0094	0.63
Total Emissions (excluding combustion from dryers, if applicable)					**45.33**			**18.41**		**5.14**

Air emissions from natural gas grain dryers

Natural gas combustion (less than 100 million Btu per hour)

If you have a boiler with a rating of more than 100 million Btu per hour, different emission factors must be used (see EPA AP-42 Chapter 1.4).

What is the total maximum rated heat input for your natural gas units?	108000000	Btu per hour	(Check your units!)
In the previous 12 months, how many cubic feet of gas were actually used?	34471827.5	cu ft/year	

Natural gas potential and actual emissions

Pollutant	a GWP[1]	b Dryer hourly natural gas usage[2] (cu ft/hr) (Btu/hr) / (1020 Btu/cu ft)	c Actual natural gas burned (cu ft/yr)	d Hours in a Year (hr/yr) 24 hrs/day * 365 days/yr	e Emission Factor (lbs/cu ft)	Potential Emissions (ton/yr) (b * d * e) / 2000	Actual Emissions (tons/yr) (c * e) / 2000
		105882.35	34471827.50	8760	by pollutant		
Criteria air pollutants						Source: EPA AP-42 Chapter 1.4	
PM					0.0000076	**3.52**	**0.13**
PM10					0.0000076	**3.52**	**0.13**
PM2.5					0.0000076	**3.52**	**0.13**
SOx					0.0000006	**0.28**	**0.01**
NOx					0.0001	**46.38**	**1.72**
VOC					0.0000055	**2.55**	**0.09**
CO					0.000084	**38.96**	**1.45**
Lead					0.0000000005	**0.00**	**0.00**
Greenhouse gas emissions						Source: 40 CFR 98, Subp. C, Table C-1 and C-2	
CO_2[2]	1				0.120	**55660.48**	**2068.63**
CH_4[2]	25				0.00000226	**1.05**	**0.04**
N_2O[2]	298				0.00000023	**0.10**	**0.00**
				GHG Total (CO_2e)[3]		**55717.96**	**2070.77**
Hazardous air pollutants						Source: EPA AP-42 Chapter 1.4	
Benzene					0.0000000021	**0.0010**	**0.0000**
Formaldehyde					0.000000075	**0.0348**	**0.0013**
Hexane					0.0000018	**0.8348**	**0.0310**
Naphthalene					0.00000000061	**0.0003**	**0.0000**
Toluene					0.0000000034	**0.0016**	**0.0001**
Arsenic					0.00000000020	**0.0001**	**0.0000**
Beryllium					0.000000000012	**0.0000**	**0.0000**
Cadmium					0.0000000011	**0.0005**	**0.0000**
Chromium					0.0000000014	**0.0006**	**0.0000**
Cobalt					0.000000000084	**0.0000**	**0.0000**
Manganese					0.00000000038	**0.0002**	**0.0000**
Mercury					0.00000000026	**0.0001**	**0.0000**
Nickel					0.0000000021	**0.0010**	**0.0000**
Selenium					0.000000000024	**0.0000**	**0.0000**
				HAP total		**0.8750**	**0.0325**

Potential Emissions Combined – Grain Elevator and Feed Mill

Potential emissions: Grain elevators and feed mills

The flag next to a potential emission total means your potential emissions exceed the permitting threshold and a permit is required.

Pollutant	Grain Elevator (ton/yr)	Feed Mill (ton/yr)	Natural Gas (ton/yr)	Propane (ton/yr)	Potential Emissions (ton/yr)
Criteria Air Pollutants					
PM	4.02	590.40	3.52		**597.95**
PM10	1.58	277.89	3.52		**282.99**
PM2.5	0.27	234.83	3.52		**238.62**
SOx			0.28		**0.28**
NOx			46.38		**46.38**
VOC			2.55		**2.55**
CO			38.96		**38.96**
Lead			0.00		**0.00**
Greenhouse Gas Emissions					
CO_2			55660.48		**55660.48**
CH_4			1.05		**1.0490**
N_2O			0.10		**0.1049**
GHG Total CO_2e			55717.96		**56480.29**
Hazardous Air Pollutants					
Benzene			0.00		**0.0010**
Formaldehyde			0.03		**0.0348**
Hexane			0.83		**0.8348**
Naphthalene			0.00		**0.0003**
Toluene			0.00		**0.0016**
Arsenic			0.00		**0.0001**
Beryllium			0.00		**0.0000**
Cadmium			0.00		**0.0005**
Chromium			0.00		**0.0006**
Cobalt			0.00		**0.0000**
Manganese			0.00		**0.0002**
Mercury			0.00		**0.0001**
Nickel			0.00		**0.0010**
Selenium			0.00		**0.0000**
HAP Indiv. Max	Hexane				**0.8348**
HAP total					**0.87**

Combined Emissions with Controls in Place

Actual emissions: Grain elevators and feed mills						
Pollutant	Grain Elevator (ton/yr)	Feed Mill (ton/yr)	Natural Gas (ton/yr)	Propane (ton/yr)	Fugitive (ton/yr)	Actual Emissions (ton/yr)
Criteria Air Pollutants						
PM	1.64	45.33	0.13			**47.10**
PM10	0.81	18.41	0.13			**19.35**
PM2.5	0.22	5.14	0.13			**5.49**
SOx			0.01			**0.01**
NOx			1.72			**1.72**
VOC			0.09			**0.09**
CO			1.45			**1.45**
Lead			0.00			**0.00**
Greenhouse Gas Emissions						
CO_2			2068.63			**2068.63**
CH_4			0.04			**0.0390**
N_2O			0.00			**0.0039**
GHG Total CO_2e			2070.77			**2070.77**
Hazardous Air Pollutants						
Benzene			0.00			**0.0000**
Formaldehyde			0.00			**0.0013**
Hexane			0.03			**0.0310**
Naphthalene			0.00			**0.0000**
Toluene			0.00			**0.0001**
Arsenic			0.00			**0.0000**
Beryllium			0.00			**0.0000**
Cadmium			0.00			**0.0000**
Chromium			0.00			**0.0000**
Cobalt			0.00			**0.0000**
Manganese			0.00			**0.0000**
Mercury			0.00			**0.0000**
Nickel			0.00			**0.0000**
Selenium			0.00			**0.0000**
HAP Indiv. Max	Hexane					**0.0310**
HAP total						**0.0325**

Actual emissions: Boilers, funaces, and space heaters

These pollutant totals represent the information you entered in the blue tabs.

Pollutant	Natural Gas (ton/yr)	Propane (ton/yr)	Fuel Oil (ton/yr)	Waste Oil (ton/yr)	Wood (ton/yr)	Actual Emissions (ton/yr)
Criteria Air Pollutants						
PM	0.24	0.24	0.07			**0.55**
PM10	0.24	0.24	0.03			**0.52**
PM2.5	0.24	0.24	0.01			**0.49**
SOx	0.02	0.06	0.23			**0.31**
NOx	3.19	4.52	0.65			**8.36**
VOC	0.18	0.35	0.01			**0.53**
CO	2.68	2.61	0.16			**5.45**
Lead	0.00		0.00			**0.00**
Greenhouse Gas Emissions						
CO_2	3824.80	4311.10	729.76			**8865.66**
CH_4	0.07	0.07	0.03			**0.1718**
N_2O	0.01	0.01	0.06			**0.0734**
					GHG total CO_2e	**8891.84**
Hazardous Air Pollutants						
Acetaldehyde						
Acetophenone						
Acrolein						
Benzene	0.0001	0.0000	0.0000			**0.0001**
Bis(2-ethylhexyl)phthalate						
Carbon tetrachloride						
Chlorine						
2-Chloroacetophenone						
Chlorobenzene						
Chloroform						
2,4-Dinitrotoluene						
Ethyl benzene			0.0000			**0.0000**
Ethylene dibromide						
Ethylene dichloride						
Formaldehyde	**0.0024**	**0.0010**	**0.0011**			**0.0044**
Hexane	**0.0574**	**0.0230**				**0.0804**
Methylene chloride						
Methyl chloroform			0.0000			**0.0000**
Naphthalene						
Phenol	**0.0000**	**0.0000**	**0.0000**			**0.0001**
Propionaldehyde						
Styrene						
2,3,7,8-Tetrachlorodibenzo-p-dioxin						
2,4,6-Trichlorophenol						
Toluene						
Vinyl acetate	**0.0001**	**0.0000**	**0.0002**			**0.0004**
Xylene1						
Antimony			0.0000			**0.0000**
Arsenic						
Beryllium	**0.0000**	**0.0000**	**0.0000**			**0.0000**
Cadmium	**0.0000**	**0.0000**	**0.0000**			**0.0000**
Chromium	**0.0000**	**0.0000**	**0.0000**			**0.0001**
Chromium (VI)	**0.0000**	**0.0000**	**0.0000**			**0.0001**
Cobalt						
Manganese	**0.0000**	**0.0000**				**0.0000**
Mercury	0.0000	0.0000	0.0000			**0.0000**
Nickel	0.0000	0.0000	0.0000			**0.0000**
Selenium	0.0001	0.0000	0.0000			**0.0001**
HAP Indiv. Max						**0.0804**
HAP total						**0.0857**

[1] Xylenes (total) includes emission factors listed as o-Xylene.

AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Mountaire Farms Inc.
COMPANY ADDRESS:	P.O. Box 1320, Millsboro, Delaware 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Westover Feed Mill
PREMISES ADDRESS:	30607 Revels Neck Road, Westover, Maryland 21871
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
(2) Concrete Wet tanks - Wet Storage Tanks - 60,000 bushels 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. _____ Form 5
No. _____ Form 5T
No. _____ Form 5EP
No. _____ Form 6
No. _____ Form 10
No. _____ Form 11
No. _____ Form 41
No. _____ Form 42
No. _____ 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 FUEL BURNING EQUIPMENT

Permit to Construct ☒ Registration Update ☐ Initial Registration ☐

1A. Owner of Equipment/Company Name

Mountaire Farms Inc.

Mailing Address/Street

P.O. Box 1320

City: Millsboro State: Delaware Zip Code: 19966

Telephone Number: (302) 841-4629

Print Name/Title

Phillip Plylar

Signature: Phillip Plylar Date:

DO NOT WRITE IN THIS BOX

2. Registration Number

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

Registration Class (7) | Equipment No. (6-11)

Data Year (12-13) | Application Date

1B. Equipment Location (if different from above give Street Number and Name, City, State, Zip and Telephone Number):

Westover Feed Mill - 30607 Revells Neck Road, Westover, Maryland 21871 (302) 934-3070

Premises Name (if different from above):

3. Status

A= New Equipment
B= Modification to Existing Equipment
C= Existing Equipment

Status (15)	New Construction Began (MM/YY) (16-19)	New Construction Completed (MM/YY) (20-23)	Existing Initial Operation (MM/YY) (20-23)
A	TBD		

4. Describe this Equipment (Make, Model, Features, Manufacturer, etc.):

(2) two wet storage tanks at 60,000 bushels each.

5. Workmen's Compensation Coverage: Binder/Policy Number: _____

Company Name: _____ Expiration Date _____

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

6. Number of Pieces of Identical Equipment to be Registered/Permitted at this Time: 1

7. Person Installing this Equipment (if different from above give Name/Title, Company Name, Mailing Address and Telephone Number):

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

Production of poultry feed.

9. Control Devices Associated with this Equipment

None ☐ (24-0) | Simple/Multiple Cyclones ☐ (24-1) | Spray/Adsorb Tower ☐ (24-2) | Venturi Scrubber ☐ (24-3) | Carbon Adsorber ☐ (24-4) | Electrostatic Precipitator ☐ (24-5) | Bag-house ☐ (24-6)

Thermal/Catalytic Afterburner ☐ (24-7) | Dry Scrubber ☐ (24-8) | Other ☑ (24-9) Describe: Mineral oil application to grain while receiving.

10. Annual Fuel Consumption for this Equipment Only

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)

Comfort/Space Heating Only (67-1) | Process Heat Only (67-2) | Percent Process Heat (68-69) | Oil Burner Type (70): 1=Pressure Gun 2=Air Atomizer 3=Steam Atomizer 4=Rotary Cup | Coal Burner Type (71): 1=Cyclone 2=Stoker 3=Pulverized 4=Hand Fired

Days Per Week (72) | Days Per Year (73-75)

SEASONAL VARIATION IN OPERATION (PERCENT):

None (76) | Winter (77-78) | Spring (79-80) | Summer (81-82) | Fall (83-84)

12. Exhaust Stack Information

Height Above Ground (ft) (86-88) | Inside Diameter at Top (inches) (89-91) | Exit Temperature (°F) (92-95) | Exit Velocity (ft/sec) (96-98)

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

Particulate Matter (99-104) | Oxides of Sulfur (105-110) | Oxides of Nitrogen (111-116)

Carbon Monoxide (117-122) | Volatile Organic Compounds (123-128) | PM-10 (129-134)

14. Method Used to Determine Emissions (1=Estimate, 2=AP42, 3=Stack Test, 4=Other Emission Factor)

TSP (165) | SOx (166) | NOx (167) | CO (168) | VOC (169) | PM10 (170)

15. What is the Maximum Rated Heat Input of this Unit (Million Btu/hr)?

Air and Radiation Management Administration Use Only

16. Date Rec'd Local_____ Date Rec'd State_____

Return to Local Jurisdiction Date _____ By _____

Rev'd by Local Jurisdiction: Date _____ By _____ Rev'd by State: Date_____ By _____

Acknowledgement Sent by State: Date _____ By _____

17. Inventory Date (MM/YY) (171-174) | SCC Code (178-185)

18. Annual Operating Rate (186-192) | Maximum Design Hourly Rate (193-199)

Permit to Operate Month (200-201) | Transaction Date (202-207) | Staff Code (208-210) | VOC (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 Inc.
COMPANY ADDRESS:	P.O. Box 1320, Millsboro, Delaware 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Westover Feed Mill
PREMISES ADDRESS:	30607 Revels Neck Road, Westover, Maryland 21871
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
RNC Conveyance Dry Transfer Leg - 15,000 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. _____ Form 5
No. _____ Form 5T
No. _____ Form 5EP
No. _____ Form 6
No. _____ Form 10
No. _____ Form 11
No. _____ Form 41
No. _____ Form 42
No. _____ 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 FUEL BURNING EQUIPMENT

Permit to Construct ☒ Registration Update ☐ Initial Registration ☐

1A. Owner of Equipment/Company Name

Mountaire Farms Inc.

Mailing Address/Street

P.O. Box 1320

City: Millsboro | State: Delaware | Zip Code: 19966

Telephone Number: (302) 841-4629

Print Name/Title

Phillip Plylar

Signature: [signature] Date:

DO NOT WRITE IN THIS BOX

2. Registration Number

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

Registration Class (7) | Equipment No. (6-11)

Data Year (12-13) | Application Date

1B. Equipment Location (if different from above give Street Number and Name, City, State, Zip and Telephone Number):

Westover Feed Mill - 30607 Revells Neck Road, Westover, Maryland 21871 (302) 934-3070

Premises Name (if different from above):

3. Status

A= New Equipment
B= Modification to Existing Equipment
C= Existing Equipment

Status	New Construction Began (MM/YY)	New Construction Completed (MM/YY)	Existing Initial Operation (MM/YY)
A	TBD		
15	16-19	20-23	20-23

4. Describe this Equipment (Make, Model, Features, Manufacturer, etc.):

RNC Conveynace, 15,000 bph Dry Grain Transfer Elevator Leg

5. Workmen's Compensation Coverage: Binder/Policy Number: _____

Company Name: _____ Expiration Date _____

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

6. Number of Pieces of Identical Equipment to be Registered/Permitted at this Time: 1

7. Person Installing this Equipment (if different from above give Name/Title, Company Name, Mailing Address and Telephone Number):

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

Production of poultry feed.

9. Control Devices Associated with this Equipment

None	Simple/Multiple Cyclones	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Bag-house
☐	☐	☐	☐	☐	☐	☐
24-0	24-1	24-2	24-3	24-4	24-5	24-6

Thermal/Catalytic Afterburner	Dry Scrubber	Other	Describe
☐	☐	☑	Mineral oil application to grain while receiving
24-7	24-8	24-9	

10. Annual Fuel Consumption for this Equipment Only

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)

Comfort/Space Heating Only (67-1) | Process Heat Only (67-2) | Percent Process Heat (68-69) | Oil Burner Type (70): 1=Pressure Gun 2=Air Atomizer 3=Steam Atomizer 4=Rotary Cup | Coal Burner Type (71): 1=Cyclone 2=Stoker 3=Pulverized 4=Hand Fired

Days Per Week (72) | Days Per Year (73-75)

SEASONAL VARIATION IN OPERATION (PERCENT):

None (76) | Winter (77-78) | Spring (79-80) | Summer (81-82) | Fall (83-84)

12. Exhaust Stack Information

Height Above Ground (ft) (86-88) | Inside Diameter at Top (inches) (89-91) | Exit Temperature (°F) (92-95) | Exit Velocity (ft/sec) (96-98)

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

Particulate Matter (99-104) | Oxides of Sulfur (105-110) | Oxides of Nitrogen (111-116)

Carbon Monoxide (117-122) | Volatile Organic Compounds (123-128) | PM-10 (129-134)

14. Method Used to Determine Emissions (1=Estimate, 2=AP42, 3=Stack Test, 4=Other Emission Factor)

TSP (165) | SOx (166) | NOx (167) | CO (168) | VOC (169) | PM10 (170)

15. What is the Maximum Rated Heat Input of this Unit (Million Btu/hr)?

Air and Radiation Management Administration Use Only

16. Date Rec'd Local_____ Date Rec'd State_____

Return to Local Jurisdiction Date _____ By _____

Rev'd by Local Jurisdiction: Date _____ By _____ Rev'd by State: Date_____ By _____

Acknowledgement Sent by State: Date _____ By _____

17. Inventory Date (MM/YY) (171-174) | SCC Code (178-185)

18. Annual Operating Rate (186-192) | Maximum Design Hourly Rate (193-199)

Permit to Operate Month (200-201) | Transaction Date (202-207) | Staff Code (208-210) | VOC (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 Inc.
COMPANY ADDRESS:	P.O. Box 1320, Millsboro, Delaware 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Westover Feed Mill
PREMISES ADDRESS:	30607 Revels Neck Road, Westover, Maryland 21871
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Zimmerman Model 10090 Grain Dryer	

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. _____ Form 5
No. _____ Form 5T
No. _____ Form 5EP
No. _____ Form 6
No. _____ Form 10
No. _____ Form 11
No. _____ Form 41
No. _____ Form 42
No. _____ 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 FUEL BURNING EQUIPMENT

Permit to Construct ☒ Registration Update ☐ Initial Registration ☐

1A. Owner of Equipment/Company Name

Mountaire Farms Inc.

Mailing Address/Street

P.O. Box 1320

City: Millsboro State: Delaware Zip Code: 19966

Telephone Number: (302) 841-4629

Print Name/Title

Phillip Plylar

Signature: Date:

DO NOT WRITE IN THIS BOX

2. Registration Number

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

Registration Class (7) Equipment No. (6-11)

Data Year (12-13) Application Date

1B. Equipment Location (if different from above give Street Number and Name, City, State, Zip and Telephone Number):

Westover Feed Mill - 30607 Revells Neck Road, Westover, Maryland 21871 (302) 934-3070

Premises Name (if different from above):

3. Status

A= New Equipment
B= Modification to Existing Equipment
C= Existing Equipment

Status	New Construction Began (MM/YY)	New Construction Completed (MM/YY)	Existing Initial Operation (MM/YY)
A	TBD		
15	16-19	20-23	20-23

4. Describe this Equipment (Make, Model, Features, Manufacturer, etc.):

Zimmerman Model 10090 Grain Dryer - 10,000 bph

5. Workmen's Compensation Coverage: Binder/Policy Number: _____

Company Name: _____ Expiration Date _____

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

6. Number of Pieces of Identical Equipment to be Registered/Permitted at this Time: 1

7. Person Installing this Equipment (if different from above give Name/Title, Company Name, Mailing Address and Telephone Number):

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

Production of poultry feed.

9. Control Devices Associated with this Equipment

None	Simple/Multiple Cyclones	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Bag-house
☐	☐	☐	☐	☐	☐	☐
24-0	24-1	24-2	24-3	24-4	24-5	24-6

Thermal/Catalytic Afterburner	Dry Scrubber	Other	Describe
☐	☐	☑	Mineral oil application to grain prior to drying.
24-7	24-8	24-9	

10. Annual Fuel Consumption for this Equipment Only

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)

Comfort/Space Heating Only (67-1) | Process Heat Only (67-2) | Percent Process Heat (68-69) | Oil Burner Type (70): 1=Pressure Gun 2=Air Atomizer 3=Steam Atomizer 4=Rotary Cup | Coal Burner Type (71): 1=Cyclone 2=Stoker 3=Pulverized 4=Hand Fired

SEASONAL VARIATION IN OPERATION (PERCENT):

Days Per Week (72) | Days Per Year (73-75) | None (76) | Winter (77-78) | Spring (79-80) | Summer (81-82) | Fall (83-84)

12. Exhaust Stack Information

Height Above Ground (ft) (86-88) | Inside Diameter at Top (inches) (89-91) | Exit Temperature (°F) (92-95) | Exit Velocity (ft/sec) (96-98)

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

Particulate Matter (99-104) | Oxides of Sulfur (105-110) | Oxides of Nitrogen (111-116)

Carbon Monoxide (117-122) | Volatile Organic Compounds (123-128) | PM-10 (129-134)

14. Method Used to Determine Emissions (1=Estimate, 2=AP42, 3=Stack Test, 4=Other Emission Factor)

TSP (165) | SOx (166) | NOx (167) | CO (168) | VOC (169) | PM10 (170)

15. What is the Maximum Rated Heat Input of this Unit (Million Btu/hr)?

Air and Radiation Management Administration Use Only

16. Date Rec'd Local_____ Date Rec'd State_____

Return to Local Jurisdiction Date _____ By _____

Rev'd by Local Jurisdiction: Date _____ By _____ Rev'd by State: Date_____ By _____

Acknowledgement Sent by State: Date _____ By _____

17. Inventory Date (MM/YY) (171-174) | SCC Code (178-185)

18. Annual Operating Rate (186-192) | Maximum Design Hourly Rate (193-199)

Permit to Operate Month (200-201) | Transaction Date (202-207) | Staff Code (208-210) | VOC (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 Inc.
COMPANY ADDRESS:	P.O. Box 1320, Millsboro, Delaware 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Westover Feed Mill
PREMISES ADDRESS:	30607 Revels Neck Road, Westover, Maryland 21871
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
RNC Conveyance 20000 BPH Grain Receving Elevator Leg	

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. _____ Form 5
No. _____ Form 5T
No. _____ Form 5EP
No. _____ Form 6
No. _____ Form 10
No. _____ Form 11
No. _____ Form 41
No. _____ Form 42
No. _____ 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 FUEL BURNING EQUIPMENT

Permit to Construct ☒ Registration Update ☐ Initial Registration ☐

1A. Owner of Equipment/Company Name

Mountaire Farms Inc.

Mailing Address/Street

P.O. Box 1320

City: Millsboro | State: Delaware | Zip Code: 19966

Telephone Number: (302) 841-4629

Print Name/Title

Phillip Plylar

Signature: Date:

DO NOT WRITE IN THIS BOX

2. Registration Number

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

Registration Class (7) | Equipment No. (6-11)

Data Year (12-13) | Application Date

1B. Equipment Location (if different from above give Street Number and Name, City, State, Zip and Telephone Number):

Westover Feed Mill - 30607 Revells Neck Road, Westover, Maryland 21871 (302) 934-3070

Premises Name (if different from above):

3. Status

A= New Equipment
B= Modification to Existing Equipment
C= Existing Equipment

Status (15)	New Construction Began (MM/YY) (16-19)	New Construction Completed (MM/YY) (20-23)	Existing Initial Operation (MM/YY) (20-23)
A	TBD		

4. Describe this Equipment (Make, Model, Features, Manufacturer, etc.):

RNC Conveynace 20,000 BPH Grain Receiving Leg

5. Workmen's Compensation Coverage: Binder/Policy Number: _____

Company Name: _____ Expiration Date _____

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

6. Number of Pieces of Identical Equipment to be Registered/Permitted at this Time: 1

7. Person Installing this Equipment (if different from above give Name/Title, Company Name, Mailing Address and Telephone Number):

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

Production of poultry feed.

9. Control Devices Associated with this Equipment

None (24-0)	Simple/Multiple Cyclones (24-1)	Spray/Adsorb Tower (24-2)	Venturi Scrubber (24-3)	Carbon Adsorber (24-4)	Electrostatic Precipitator (24-5)	Bag-house (24-6)
☐	☐	☐	☐	☐	☐	☐

Thermal/Catalytic Afterburner (24-7)	Dry Scrubber (24-8)	Other (24-9)	Describe
☐	☐	☑	Mineral oil application to grain while receiving

10. Annual Fuel Consumption for this Equipment Only

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)

Comfort/Space Heating Only ☐ 67-1 | Process Heat Only ☐ 67-2 | Percent Process Heat ☐☐ 68-69 | Oil Burner Type ☐ 70 (1=Pressure Gun 2=Air Atomizer 3=Steam Atomizer 4=Rotary Cup) | Coal Burner Type ☐ 71 (1=Cyclone 2=Stoker 3=Pulverized 4=Hand Fired)

Days Per Week ☐ 72 | Days Per Year ☐☐☐ 73-75

SEASONAL VARIATION IN OPERATION (PERCENT):

None ☐ 76 | Winter ☐☐ 77-78 | Spring ☐☐ 79-80 | Summer ☐☐ 81-82 | Fall ☐☐ 83-84

12. Exhaust Stack Information

Height Above Ground (ft) ☐☐☐ 86-88 | Inside Diameter at Top (inches) ☐☐☐ 89-91 | Exit Temperature (°F) ☐☐☐☐ 92-95 | Exit Velocity (ft/sec) ☐☐☐ 96-98

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

Particulate Matter ☐☐☐☐☐☐ 99-104 | Oxides of Sulfur ☐☐☐☐☐☐ 105-110 | Oxides of Nitrogen ☐☐☐☐☐☐ 111-116

Carbon Monoxide ☐☐☐☐☐☐ 117-122 | Volatile Organic Compounds ☐☐☐☐☐☐ 123-128 | PM-10 ☐☐☐☐☐☐ 129-134

14. Method Used to Determine Emissions (1=Estimate, 2=AP42, 3=Stack Test, 4=Other Emission Factor)

TSP ☐ 165 | SOx ☐ 166 | NOx ☐ 167 | CO ☐ 168 | VOC ☐ 169 | PM10 ☐ 170

15. What is the Maximum Rated Heat Input of this Unit (Million Btu/hr)?

Air and Radiation Management Administration Use Only

16. Date Rec'd Local_____ Date Rec'd State_____

Return to Local Jurisdiction Date _____ By _____

Rev'd by Local Jurisdiction: Date _____ By _____ Rev'd by State: Date_____ By _____

Acknowledgement Sent by State: Date _____ By _____

17. Inventory Date (MM/YY) ☐☐☐☐ 171-174 | SCC Code ☐☐☐☐☐☐☐☐ 178-185

18. Annual Operating Rate ☐☐☐☐☐☐☐ 186-192 | Maximum Design Hourly Rate ☐☐☐☐☐☐☐ 193-199

Permit to Operate Month ☐☐ 200-201 | Transaction Date ☐☐☐☐☐☐ 202-207 | Staff Code ☐☐☐ 208-210 | VOC ☐☐ 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 Inc.
COMPANY ADDRESS:	P.O. Box 1320, Millsboro, Delaware 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Westover Feed Mill
PREMISES ADDRESS:	30607 Revels Neck Road, Westover, Maryland 21871
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
RNC Conveyance GrainTransfer Leg - 5,000 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. _____ Form 5
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No. _____ Form 11
No. _____ Form 41
No. _____ Form 42
No. _____ 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.

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MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Air and Radiation Management Administration ▪ Air Quality Permits Program

APPLICATION FOR FUEL BURNING EQUIPMENT

Permit to Construct ☒ Registration Update ☐ Initial Registration ☐

1A. Owner of Equipment/Company Name

Mountaire Farms Inc.

Mailing Address/Street

P.O. Box 1320

City: Millsboro | State: Delaware | Zip Code: 19966

Telephone Number: (302) 841-4629

Print Name/Title

Phillip Plylar

Signature: Date:

DO NOT WRITE IN THIS BOX

2. Registration Number

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

Registration Class (7) | Equipment No. (6-11)

Data Year (12-13) | Application Date

1B. Equipment Location (if different from above give Street Number and Name, City, State, Zip and Telephone Number):

Westover Feed Mill - 30607 Revells Neck Road, Westover, Maryland 21871 (302) 934-3070

Premises Name (if different from above):

3. Status

A= New Equipment
B= Modification to Existing Equipment
C= Existing Equipment

Status	New Construction Began (MM/YY)	New Construction Completed (MM/YY)	Existing Initial Operation (MM/YY)
A	TBD		
15	16-19	20-23	20-23

4. Describe this Equipment (Make, Model, Features, Manufacturer, etc.):

RNC Conveynace, 5,000 bph Grain Transfer Elevator Leg

5. Workmen's Compensation Coverage: Binder/Policy Number: _____

Company Name: _____ Expiration Date _____

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

6. Number of Pieces of Identical Equipment to be Registered/Permitted at this Time: 1

7. Person Installing this Equipment (if different from above give Name/Title, Company Name, Mailing Address and Telephone Number):

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

Production of poultry feed.

9. Control Devices Associated with this Equipment

None	Simple/Multiple Cyclones	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Bag-house
☐	☐	☐	☐	☐	☐	☐
24-0	24-1	24-2	24-3	24-4	24-5	24-6

Thermal/Catalytic Afterburner	Dry Scrubber	Other	Describe
☐	☐	☑	Mineral oil application to grain while receiving
24-7	24-8	24-9	

10. Annual Fuel Consumption for this Equipment Only

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)

Comfort/Space Heating Only ☐ 67-1 | Process Heat Only ☐ 67-2 | Percent Process Heat ☐☐ 68-69 | Oil Burner Type ☐ 70 (1=Pressure Gun 2=Air Atomizer 3=Steam Atomizer 4=Rotary Cup) | Coal Burner Type ☐ 71 (1=Cyclone 2=Stoker 3=Pulverized 4=Hand Fired)

Days Per Week ☐ 72 | Days Per Year ☐☐☐ 73-75

SEASONAL VARIATION IN OPERATION (PERCENT):

None ☐ 76 | Winter ☐☐ 77-78 | Spring ☐☐ 79-80 | Summer ☐☐ 81-82 | Fall ☐☐ 83-84

12. Exhaust Stack Information

Height Above Ground (ft) ☐☐☐ 86-88 | Inside Diameter at Top (inches) ☐☐☐ 89-91 | Exit Temperature (°F) ☐☐☐☐ 92-95 | Exit Velocity (ft/sec) ☐☐☐ 96-98

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

Particulate Matter ☐☐☐☐☐☐ 99-104 | Oxides of Sulfur ☐☐☐☐☐☐ 105-110 | Oxides of Nitrogen ☐☐☐☐☐☐ 111-116

Carbon Monoxide ☐☐☐☐☐☐ 117-122 | Volatile Organic Compounds ☐☐☐☐☐☐ 123-128 | PM-10 ☐☐☐☐☐☐ 129-134

14. Method Used to Determine Emissions (1=Estimate, 2=AP42, 3=Stack Test, 4=Other Emission Factor)

TSP ☐ 165 | SOx ☐ 166 | NOx ☐ 167 | CO ☐ 168 | VOC ☐ 169 | PM10 ☐ 170

15. What is the Maximum Rated Heat Input of this Unit (Million Btu/hr)?

Air and Radiation Management Administration Use Only

16. Date Rec'd Local_____ Date Rec'd State_____

Return to Local Jurisdiction Date _____ By _____

Rev'd by Local Jurisdiction: Date _____ By _____ Rev'd by State: Date_____ By _____

Acknowledgement Sent by State: Date _____ By _____

17. Inventory Date (MM/YY) ☐☐☐☐ 171-174 | SCC Code ☐☐☐☐☐☐☐☐ 178-185

18. Annual Operating Rate ☐☐☐☐☐☐☐ 186-192 | Maximum Design Hourly Rate ☐☐☐☐☐☐☐ 193-199

Permit to Operate Month ☐☐ 200-201 | Transaction Date ☐☐☐☐☐☐ 202-207 | Staff Code ☐☐☐ 208-210 | VOC ☐☐ 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 Inc.
COMPANY ADDRESS:	P.O. Box 1320, Millsboro, Delaware 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Westover Feed Mill
PREMISES ADDRESS:	30607 Revels Neck Road, Westover, Maryland 21871
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
(1) One mechanical grain load out screw - 15, 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. _____ Form 5
No. _____ Form 5T
No. _____ Form 5EP
No. _____ Form 6
No. _____ Form 10
No. _____ Form 11
No. _____ Form 41
No. _____ Form 42
No. _____ 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

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Air and Radiation Management Administration ▪ Air Quality Permits Program

APPLICATION FOR FUEL BURNING EQUIPMENT

Permit to Construct ☒ Registration Update ☐ Initial Registration ☐

1A. Owner of Equipment/Company Name

Mountaire Farms Inc.

Mailing Address/Street

P.O. Box 1320

City: Millsboro | State: Delaware | Zip Code: 19966

Telephone Number: (302) 841-4629

Print Name/Title

Phillip Plylar

Signature: Date:

DO NOT WRITE IN THIS BOX

2. Registration Number

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

Registration Class (7) | Equipment No. (6-11)

Data Year (12-13) | Application Date

1B. Equipment Location (if different from above give Street Number and Name, City, State, Zip and Telephone Number):

Westover Feed Mill - 30607 Revells Neck Road, Westover, Maryland 21871 (302) 934-3070

Premises Name (if different from above):

3. Status

A= New Equipment
B= Modification to Existing Equipment
C= Existing Equipment

Status (15)	New Construction Began (MM/YY) (16-19)	New Construction Completed (MM/YY) (20-23)	Existing Initial Operation (MM/YY) (20-23)
A	TBD		

4. Describe this Equipment (Make, Model, Features, Manufacturer, etc.):

RNC Conveynace Grain Load Out Screw - 15, 000 bph

5. Workmen's Compensation Coverage: Binder/Policy Number: _____

Company Name: _____ Expiration Date _____

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

6. Number of Pieces of Identical Equipment to be Registered/Permitted at this Time: 1

7. Person Installing this Equipment (if different from above give Name/Title, Company Name, Mailing Address and Telephone Number):

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

Production of poultry feed.

9. Control Devices Associated with this Equipment

None (24-0)	Simple/Multiple Cyclones (24-1)	Spray/Adsorb Tower (24-2)	Venturi Scrubber (24-3)	Carbon Adsorber (24-4)	Electrostatic Precipitator (24-5)	Bag-house (24-6)
☐	☐	☐	☐	☐	☐	☐

Thermal/Catalytic Afterburner (24-7)	Dry Scrubber (24-8)	Other (24-9)	Describe
☐	☐	☑	Mineral oil application to grain prior to drying.

10. Annual Fuel Consumption for this Equipment Only

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)

Comfort/Space Heating Only [ ] 67-1 | Process Heat Only [ ] 67-2 | Percent Process Heat [ ] 68-69 | Oil Burner Type [ ] 70 (1=Pressure Gun 2=Air Atomizer 3=Steam Atomizer 4=Rotary Cup) | Coal Burner Type [ ] 71 (1=Cyclone 2=Stoker 3=Pulverized 4=Hand Fired)

Days Per Week [ ] 72 | Days Per Year [ ] 73-75

SEASONAL VARIATION IN OPERATION (PERCENT):

None [ ] 76 | Winter [ ] 77-78 | Spring [ ] 79-80 | Summer [ ] 81-82 | Fall [ ] 83-84

12. Exhaust Stack Information

Height Above Ground (ft) [ ] 86-88 | Inside Diameter at Top (inches) [ ] 89-91 | Exit Temperature (°F) [ ] 92-95 | Exit Velocity (ft/sec) [ ] 96-98

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

Particulate Matter [ ] 99-104 | Oxides of Sulfur [ ] 105-110 | Oxides of Nitrogen [ ] 111-116

Carbon Monoxide [ ] 117-122 | Volatile Organic Compounds [ ] 123-128 | PM-10 [ ] 129-134

14. Method Used to Determine Emissions (1=Estimate, 2=AP42, 3=Stack Test, 4=Other Emission Factor)

TSP [ ] 165 | SOx [ ] 166 | NOx [ ] 167 | CO [ ] 168 | VOC [ ] 169 | PM10 [ ] 170

15. What is the Maximum Rated Heat Input of this Unit (Million Btu/hr)?

Air and Radiation Management Administration Use Only

16. Date Rec'd Local_____ Date Rec'd State_____

Return to Local Jurisdiction Date _____ By _____

Rev'd by Local Jurisdiction: Date _____ By _____ Rev'd by State: Date_____ By _____

Acknowledgement Sent by State: Date _____ By _____

17. Inventory Date (MM/YY) [ ] 171-174 | SCC Code [ ] 178-185

18. Annual Operating Rate [ ] 186-192 | Maximum Design Hourly Rate [ ] 193-199

Permit to Operate Month [ ] 200-201 | Transaction Date [ ] 202-207 | Staff Code [ ] 208-210 | VOC [ ] 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 Inc.
COMPANY ADDRESS:	P.O. Box 1320, Millsboro, Delaware 19966
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Westover Feed Mill
PREMISES ADDRESS:	30607 Revels Neck Road, Westover, Maryland 21871
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Kyle McConnell
JOB TITLE:	Environmental Manager
PHONE NUMBER:	(302) 841-4629
EMAIL ADDRESS:	kmcconnell@mountaire.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
RNC Conveyance Wet Transfer Leg - 15,000 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

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No. _____ 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

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(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

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Air and Radiation Management Administration ▪ Air Quality Permits Program

APPLICATION FOR FUEL BURNING EQUIPMENT

Permit to Construct ☒ Registration Update ☐ Initial Registration ☐

1A. Owner of Equipment/Company Name

Mountaire Farms Inc.

Mailing Address/Street

P.O. Box 1320

City: Millsboro State: Delaware Zip Code: 19966

Telephone Number: (302) 841-4629

Print Name/Title

Phillip Plylar

Signature: Date:

DO NOT WRITE IN THIS BOX

2. Registration Number

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

Registration Class (7) Equipment No. (6-11)

Data Year (12-13) Application Date

1B. Equipment Location (if different from above give Street Number and Name, City, State, Zip and Telephone Number):

Westover Feed Mill - 30607 Revells Neck Road, Westover, Maryland 21871 (302) 934-3070

Premises Name (if different from above):

3. Status

A= New Equipment
B= Modification to Existing Equipment
C= Existing Equipment

Status (15)	New Construction Began (MM/YY) (16-19)	New Construction Completed (MM/YY) (20-23)	Existing Initial Operation (MM/YY) (20-23)
A	TBD		

4. Describe this Equipment (Make, Model, Features, Manufacturer, etc.):

RNC Conveynace, 15,000 bph Wet Grain Transfer Elevator Leg

5. Workmen's Compensation Coverage: Binder/Policy Number: _____

Company Name: _____ Expiration Date _____

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

6. Number of Pieces of Identical Equipment to be Registered/Permitted at this Time: 1

7. Person Installing this Equipment (if different from above give Name/Title, Company Name, Mailing Address and Telephone Number):

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

Production of poultry feed.

9. Control Devices Associated with this Equipment

None (24-0)	Simple/Multiple Cyclones (24-1)	Spray/Adsorb Tower (24-2)	Venturi Scrubber (24-3)	Carbon Adsorber (24-4)	Electrostatic Precipitator (24-5)	Bag-house (24-6)
☐	☐	☐	☐	☐	☐	☐

Thermal/Catalytic Afterburner (24-7)	Dry Scrubber (24-8)	Other (24-9)	Describe
☐	☐	☑	Mineral oil application to grain while receiving

10. Annual Fuel Consumption for this Equipment Only

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)

Comfort/Space Heating Only (67-1) | Process Heat Only (67-2) | Percent Process Heat (68-69) | Oil Burner Type (70): 1=Pressure Gun 2=Air Atomizer 3=Steam Atomizer 4=Rotary Cup | Coal Burner Type (71): 1=Cyclone 2=Stoker 3=Pulverized 4=Hand Fired

Days Per Week (72) | Days Per Year (73-75)

SEASONAL VARIATION IN OPERATION (PERCENT):

None (76) | Winter (77-78) | Spring (79-80) | Summer (81-82) | Fall (83-84)

12. Exhaust Stack Information

Height Above Ground (ft) (86-88) | Inside Diameter at Top (inches) (89-91) | Exit Temperature (°F) (92-95) | Exit Velocity (ft/sec) (96-98)

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

Particulate Matter (99-104) | Oxides of Sulfur (105-110) | Oxides of Nitrogen (111-116)

Carbon Monoxide (117-122) | Volatile Organic Compounds (123-128) | PM-10 (129-134)

14. Method Used to Determine Emissions (1=Estimate, 2=AP42, 3=Stack Test, 4=Other Emission Factor)

TSP (165) | SOx (166) | NOx (167) | CO (168) | VOC (169) | PM10 (170)

15. What is the Maximum Rated Heat Input of this Unit (Million Btu/hr)?

Air and Radiation Management Administration Use Only

16. Date Rec'd Local_____ Date Rec'd State_____

Return to Local Jurisdiction Date _____ By _____

Rev'd by Local Jurisdiction: Date _____ By _____ Rev'd by State: Date_____ By _____

Acknowledgement Sent by State: Date _____ By _____

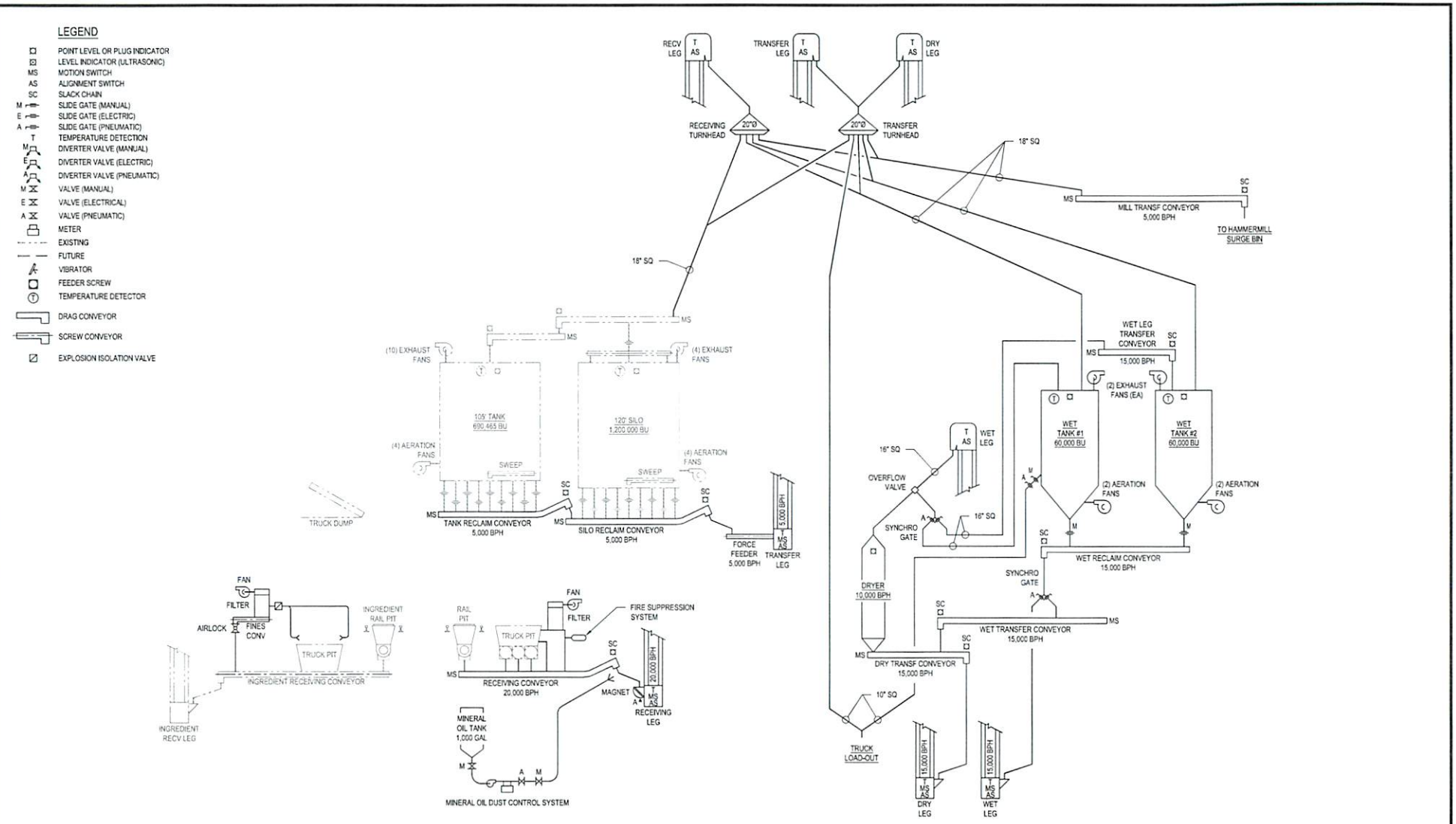
17. Inventory Date (MM/YY) (171-174) | SCC Code (178-185)

18. Annual Operating Rate (186-192) | Maximum Design Hourly Rate (193-199)

Permit to Operate Month (200-201) | Transaction Date (202-207) | Staff Code (208-210) | VOC (211 212) | SIP Code (213 214)

Regulation Code (215-218) | Confidentiality (219)

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



REV	DATE	DESCRIPTION	BY	ENG	APP
A	12-22-21	PRELIMINARY	JLB		

PRELIMINARY PRINT
SUBJECT TO REVISION

WL PORT-LAND SYSTEMS, INC.
PITTSBURGH, PA 15234

GRAIN RECEIVING & STORAGE
-FOR-
MOUNTAIRE FARMS
WESTOVER, MD

DRAWN BY:	JCC
CHECKED BY:	-
ENGINEER:	-
APPROVED:	-

DRAWING TITLE:
AIR EMISSION SOURCES
FLOW DIAGRAM

DATE DRAWN	SCALE FOR 24" x 36" PLOT (24 X 1)	DRAWING TYPE	DRAWING NUMBER	REVISION
12-21-21	NONE	ACAD	21053-A120	A

DATE ASSIGNED: BY:
DATE REQUIRED: BY:
DATE RETURNED:

P:\21053 MOUNTAIRE FARMS - GRAIN STORAGE SILOS - WESTOVER, MD\DRAWINGS\(A) DRAWINGS\21053-A120 R-A AIR EMISSION SOURCES - FLOW DIAGRAM.DWG, 12/22/2021 7:20 AM, JBISCHOF

SOMERSET COUNTY
DEPARTMENT OF TECHNICAL AND COMMUNITY SERVICES

Mary R. Phillips, Zoning Administrator/Assistant Director

February 11, 2022

Kyle McConnell
Environmental Manager
29292 John J. Williams Highway
P.O. Box 1320
Millsboro, Delaware 19966

RE: Mountaire Farms Grain Facility
30607 Revells Neck Rd
Westover MD 21871

Dear Mr. McConnell,

Per your request this letter is to certify that the existing facility located at the above referenced address is Zoned I-2 Industrial and is an allowed use per Section 5.7(e) 7 of Zoning Ordinance #1144

If you need any additional information please contact this office

Regards,

Mary R Phillips CFM
Zoning Administrator/ Assistant Director

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

MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT

SUPPLEMENT TO
DOCKET #04-22

COMPANY: Mountaire Farms, Inc. – Westover Feed Mill

LOCATION: 30607 Revells Neck Road, Westover, MD 21871

APPLICATION: Installation of grain handling equipment and grain dryer at an existing feed mill

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
5	Privilege Log – Not Applicable

MARYLAND DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION

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

FIRST NOTICE

The Department of the Environment, Air and Radiation Administration (ARA) has completed its review of an application for a Permit to Construct submitted by Mountaire Farms, Inc. – Westover Feed Mill on December 22, 2021 for the installation of grain handling equipment and grain dryer at an existing feed mill. The proposed installation will be located at 30607 Revells Neck Road, Westover, MD 21871.

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

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

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

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. 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, Air and Radiation Administration, 1800 Washington Boulevard, Baltimore, Maryland 21230.

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

Christopher R. Hoagland, Director
Air and Radiation Administration

MARYLAND DEPARTMENT OF ENVIRONMENT
AIR AND RADIATION ADMINISTRATION

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

PROPOSED INSTALLATION OF GRAIN HANDLING EQUIPMENT AND A GRAIN DRYER AT AN EXISTING FEED MILL

I. INTRODUCTION

The Maryland Department of the Environment (the "Department") received an application from Mountaire Farms Inc. – Westover Feed Mill on December 22, 2021, with an amendment on February 11, 2022, for a Permit to Construct for grain handling equipment and a grain dryer at an existing feed mill. The proposed installations will be located at 30607 Revells Neck Road, Westover, MD 21871.

A notice was placed in The Daily Times on March 1, 2022 and March 8, 2022 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 proposed installation is expected to comply with all applicable air quality regulations. A notice will be published to provide the public with opportunities to request a public hearing and to comment on the application, the Department's tentative determination, the draft permit conditions, and other supporting documents. The Department will not schedule a public hearing unless a legitimate request is received.

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

II. CURRENT STATUS AND PROPOSED INSTALLATION

A. Current Status

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

A catastrophic explosion in October 2021 changed the equipment and operation at the facility. A premises-wide PTC was issued in January 2022 to bring the facility under one PTC and register all the unregistered equipment, including a new grain leg and grain drag so that work could continue at the facility.

B. Proposed Installation

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

Two (2) wet storage tanks each with a capacity of 60,000 bushels
One (1) Zimmerman Grain Dryer with a capacity of 10,000 bushels and a 108 MMBTU/hr natural gas-fired burner
One (1) 15,000 bushel/hr dry grain transfer elevator leg
One (1) 20,000 bushel/hr grain receiving leg
One (1) 5000 bushel/hr grain transfer elevator leg
One (1) 15,000 bushel/hr wet grain transfer leg
One (1) 15000 bushel/hr grain mechanical loadout screw controlled by a dust suppression hopper

The mechanical loadout screw will replace the existing mechanical loadout controlled by a dust sock. A grain elevator leg rated at 3500 bushel/hr will also be removed.

The facility also removed the No. 2 fuel oil tanks from the facility. Their fuel burning equipment will no longer use fuel oil as back-up fuel. Conditions relating to fuel oil have been removed from the permit.

III. APPLICABLE REGULATIONS

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

(a) 40 CFR 60, Subpart DD, which provides opacity limitations for Grain Elevators.

(b) COMAR 26.11.01.07C, which requires that the Permittee report to the Department occurrences of excess emissions.

(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 the submittals.

(d) COMAR 26.11.06.02C(1), which limits visible emissions other than uncombined water to not more than 20 percent opacity.

(e) COMAR 26.11.06.03B(1), which limits the concentration of particulate matter in any exhaust gases to not more than 0.05 grains per standard cubic foot of dry exhaust gas.

(f) COMAR 26.11.06.03C and D, which requires that the Permittee take reasonable precautions to prevent particulate matter from unconfined sources and materials handling and construction operations from becoming airborne.

(g) COMAR 26.11.06.08 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.

(h) 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.

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

(j) COMAR 26.11.18.03A(1) which prohibits the operation of any grain-drying installation unless particulate matter emissions are reduced through the use of a 24 mesh screen or other equivalent device.

(k) COMAR 26.11.18.03A(2) which prohibits the operation of any grain-handling installation without taking reasonable precautions to prevent particulate matter from becoming airborne.

IV. GENERAL AIR QUALITY

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

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

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

V. COMPLIANCE DEMONSTRATION AND ANALYSIS

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

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

B. Compliance with National Ambient Air Quality Standards - The maximum ground level concentrations for nitrogen oxides, carbon monoxide, sulfur oxides, and particulate matter, based on the emissions from the proposed installation are listed in column 2 of Table II. The combined impact of the projected contribution from the proposed installation and the ambient background concentration for each pollutant shown in column 3 of Table II is less than the NAAQS for each pollutant shown in column 4.

C. Compliance with Air Toxics Regulations – 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.

[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.

VI. TENTATIVE DETERMINATION

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

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

TABLE I
PROJECTED MAXIMUM EMISSIONS FROM THE PROPOSED INSTALLATION

POLLUTANT	PROJECTED MAXIMUM EMISSIONS FROM PROPOSED INSTALLATION	
	(lbs/day)	(tons/year)
Nitrogen Dioxide (NO_2)	148.2	37.1
Sulfur Dioxide (SO_2)	0.64	0.15
Carbon Monoxide (CO)	88.9	22.2
Volatile Organic Compounds (VOC)	5.82	1.46
Particulate Matter (PM_{10})	8.05	2.01

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

POLLUTANTS	**MAXIMUM OFF-SITE GROUND LEVEL CONCENTRATIONS CAUSED BY EMISSIONS FROM PROPOSED PROCESS ($\mu g/m^3$)**	**BACKGROUND AMBIENT AIR CONCENTRATIONS ($\mu g/m^3$)***	**NATIONAL AMBIENT AIR QUALITY STANDARDS (NAAQS) ($\mu g/m^3$)**
Nitrogen Dioxide (NO_2)	annual avg.→ 38.7	annual avg.→ 29.8	annual avg.→ 100
Carbon Monoxide (CO)	8-hour max→ 203.5 1-hour max → 290.8	8-hr max.→ 1600 1-hr max.→ 2060	8-hr max.→ 10,000 1-hr max.→ 40,000
Sulfur Dioxide (SO_2)	24-hour max. → 0.83 annual avg. → 0.17	24-hour max.→ 2.7 annual avg.→ 1.2	24-hour max.→ 366 annual avg.→ 78.5
Particulate Matter (PM_{10})	24-hr max → 18.8	24-hr max.→ 40	24-hr max.→ 150

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

CO → 600 Dorsey Avenue Monitoring Station in Baltimore County
PM_{10} → Oldtown Fire Station Monitoring Station in Baltimore City
NO_2 → Interstate 95 South Welcome Center Monitoring Station in Howard County
SO_2 → Center for Environmental and Estuarine Studies Monitoring Station in Dorchester County

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

TOXIC AIR POLLUTANTS	SCREENING LEVELS ($\mu g/m^3$)	PROJECTED WORST-CASE FACILITY-WIDE EMISSIONS (lbs/hr)	PREDICTED MAXIMUM OFF-SITE GROUND LEVEL CONCENTRATIONS ($\mu g/m^3$)
Lead	1-hour→ None 8-hour→ 0.5 Annual→ None	0.00005	1-hour→ None 8-hour→ 0.001 Annual→ None
2-methylnapthalene	1-hour→ None 8-hour→ 29.1 Annual→ None	0.000003	1-hour→ None 8-hour→ 0.00006 Annual→ None
3-methylcholanthrene	1-hour→ None 8-hour→ 20 Annual→ None	0.0000002	1-hour→ None 8-hour→ 0.000004 Annual→ None
7,12-dimethylbenz(a)anthracene	1-hour→ None 8-hour→ 4.8 Annual→ None	0.000002	1-hour→ None 8-hour→ 0.00004 Annual→ None
Acenaphthene	1-hour→ None 8-hour→ 20 Annual→ None	0.0000002	1-hour→ None 8-hour→ 0.000005 Annual→ None
Acenaphthylene	1-hour→ None 8-hour→ 24.6 Annual→ None	0.0000002	1-hour→ None 8-hour→ 0.000005 Annual→ None
Anthracene	1-hour→ None 8-hour→ 20 Annual→ None	0.0000003	1-hour→ None 8-hour→ 0.000006 Annual→ None
Benzene	1-hour→ 79.9 8-hour→ 16 Annual→ 1.3	0.0002	1-hour→ 0.007 8-hour→ 0.005 Annual→ 0.0005
Benzo(g,h,i)perylene	1-hour→ None 8-hour→ 20 Annual→ None	0.0000001	1-hour→ None 8-hour→ 0.000003 Annual→ None
Fluoranthene	1-hour→ None 8-hour→82 Annual→ None	0.0000003	1-hour→ None 8-hour→ 0.0000007 Annual→ None

TOXIC AIR POLLUTANTS	SCREENING LEVELS (μg/m^3)	PROJECTED WORST-CASE FACILITY-WIDE EMISSIONS (lbs/hr)	PREDICTED MAXIMUM OFF-SITE GROUND LEVEL CONCENTRATIONS (μg/m^3)
Fluorene	1-hour→ None 8-hour→20 Annual→ None	0.0000003	1-hour→ None 8-hour→ 0.0000007 Annual→ None
Formaldehyde	1-hour→ None 8-hour→ 20.3 Annual→ 0.8	0.008	1-hour→ None 8-hour→ 0.18 Annual→ 0.02
Phenathrene	1-hour→ None 8-hour→9.8 Annual→ None	0.000002	1-hour→ None 8-hour→ 0.00004 Annual→ None
Pyrene	1-hour→ None 8-hour→20 Annual→ None	0.0000005	1-hour→ None 8-hour→ 0.00001 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 proposed facility and were predicted by EPA's SCREEN3 model, which provides conservative estimations concerning the impact of pollutants on ambient air quality.

DRAFT PERMIT

Larry Hogan
Governor

Ben Grumbles
Secretary

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:
$2,000.00

EXPIRATION DATE:
In accordance with COMAR 26.11.04B

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

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

SOURCE DESCRIPTION

This permit authorizes the installation of two (2) wet storage tanks, one (1) mechanical loadout with a dust suppression hopper, one (1) Zimmerman grain dryer, one (1) 20,000 bph grain receiving leg, one (1) 15,000 bph dry grain transfer elevator leg, one (1) 5000 bph grain transfer elevator leg, and one (1) 15,000 bph wet transfer leg.

This permit serves as a temporary permit to operate for a period of 180 days after the startup of the grain handling equipment.

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

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

Program Manager

Director, Air and Radiation Administration

INDEX

This permit covers the following registered installations:

ARA Registration No.	Description	Date of Installation
039-0072-5-0017	Cleaver Brooks natural gas-fired boiler rated at 13.4 MMBTU/hr with propane as a secondary fuel	2018 Modified in 2022
039-0072-8-0028	Two (2) Champion Hammermills rated at 25 tph controlled by a baghouse (BH-1)	1999
039-0072-8-0030	Truck (Grain) Receiving Pit controlled by a baghouse (BH-4)	1965 Modified in 2004 and 2022
039-0072-8-0031	Corn Rail Unloading Pit	1965 Modified in 2004
039-0072-8-0032	Feed Ingredient Truck Pit controlled by a baghouse (BH-5)	1965 Modified in 2004 and 2022
039-0072-8-0033	Rail Feed Ingredient Receiving Pit	1965 Modified in 2004
039-0072-8-0039	75 tph Feed Mill Pellet Line equipped with a HE multi-cyclone, includes one (1) finished feed system with loadouts	2017
039-0072-8-0042	One (1) Zimmerman Grain Dryer with a capacity of 10,000 bushels/hr and natural gas burner rated at 108 MMBTU/hr	2022
039-0072-9-0069	Material Storage: Two (2) storage silos, two (2) wet storage tanks, twenty-five (25) storage bags, and one (1) salt bin with a baghouse (BH-2)	2004 Modified in 2022
039-0072-8-0041	Indoor scale systems: - Major Scale - Minor Scale - Micro Scale controlled by a baghouse (BH-3)	2004 Modified in 2022
039-0072-8-0040	Grain Handling Equipment: - Three (3) gravity loadouts - One (1) mechanical grain loadout controlled by a dust suppression hopper - Eight (8) material processing legs rated at 390 tph, 20,000 bushels/hr, 15,000 bushels/hr, 6,978 bushels/hr, 5,000, bushels/hr, 4558 bushels/hr, 4,645 bushels/hr, and 5,167 bushels/hr - Mineral Oil Application System	2004 Modified in 2022

Part A – General Provisions

(1) The following Air and Radiation Administration (ARA) permit-to-construct applications [and supplemental information] are incorporated into this permit by reference:

(a) All valid Applications for Processing or Manufacturing Equipment (Form 5) received at Department prior to the issuance of this permit and pertaining to ARA Premises No. 039-0072 including the seven (7) applications for grain handling equipment and one (1) application for a grain dryer received December 22, 2021.

(b) All valid Applications for Gas Cleaning or Emission Control Equipment (Form 6) received at Department prior to the issuance of this permit and pertaining to ARA Premises No. 039-0072.

(c) All valid Toxic Air Pollutant (TAP) Emissions Summary and Compliance Demonstration (Form 5T) received at Department prior to the issuance of this permit and pertaining to ARA Premises No. 039-0072.

(d) All valid Emission Point Data (Form 5EP) received at Department prior to the issuance of this permit and pertaining to ARA Premises No. 039-0072.

(e) Supplemental Information: Site Plan, Equipment Lists, and Emissions Calculation received December 22, 2021 and Zoning Approval submitted February 11, 2022.

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 Wicomico 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.

(3) The Permittee shall notify the Department prior to increasing quantities and/or changing the types of any materials referenced in the application or limited by this permit. If the Department determines that such increases or changes constitute a modification, the Permittee shall obtain a permit-to-construct prior to implementing the modification.

(4) Nothing in this permit authorizes the violation of any rule or regulation or the creation of a nuisance or air pollution.

(5) If any provision of this permit is declared by proper authority to be invalid, the remaining provisions of the permit shall remain in effect.

(6) This permit supersedes all valid permits to construct issued to ARA Premises No. 039-0072.

(7) Subsequent to issuance of this permit, the Department may impose additional and modified requirements that are incorporated into a State permit-to-operate issued pursuant to COMAR 26.11.02.13.

Part B – Applicable Regulations

(1) This source is subject to all applicable federal air pollution control requirements including, but not limited to, the following:

(a) All applicable terms, provisions, emissions standards, testing, monitoring, record keeping, and reporting requirements included in federal New Source Performance Standards (NSPS) promulgated under 40 CFR 60, Subparts A, Dc for Small Industrial-Commercial-Institutional Steam Generating Units, and DD for Grain Elevators

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

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

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

and

Director, Air Protection Division
U.S. EPA – Region 3
Mail Code 3AP00
1650 Arch Street
Philadelphia, PA 19103-2029

(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.

(d) COMAR 26.11.06.02C(1), which limits visible emissions other than uncombined water to not more than 20 percent opacity.

(e) COMAR 26.11.06.03B(1), which limits the concentration of particulate matter in any exhaust gases to not more than 0.05 grains per standard cubic foot of dry exhaust gas.

(f) COMAR 26.11.06.03C and D, which requires that the Permittee take reasonable precautions to prevent particulate matter from unconfined sources and materials handling and construction operations from becoming airborne.

(g) COMAR 26.11.09.05A(1), which limits visible emissions to 20% from fuel burning equipment.

(3) This source is subject to all applicable State-only enforceable air pollution control requirements including, but not limited to, the following regulations:

(a) COMAR 26.11.02.13A(16 and 25), which requires that the Permittee obtain from the Department, and maintain and renew as required, a valid State permit-to-operate.

(b) COMAR 26.11.02.14D, which requires that the Permittee submit to the Department not later than 60 days prior to initiating operation of the installation for which this permit is issued a completed application for a State permit-to-operate.

(c) COMAR 26.11.02.19C & D, which require that the Permittee submit to the Department annual certifications of emissions, and that the Permittee maintain sufficient records to support the emissions information presented in such submittals.

(d) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.

(e) COMAR 26.11.15.05, which requires that the Permittee implement "Best Available Control Technology for Toxics" (T – BACT) to control emissions of toxic air pollutants.

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

(g) COMAR 26.11.18.03A(1) which prohibits the operation of any grain-drying installation unless particulate matter emissions are reduced through the use of a 24 mesh screen or other equivalent device.

(h) COMAR 26.11.18.03A(2) which prohibits the operation of any grain-handling installation without taking reasonable precautions to prevent particulate matter from becoming airborne.

Part C – Construction Conditions

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

(a) Two (2) wet storage tanks each with a capacity of 60,000 bushels;

(b) One (1) Zimmerman grain dryer with a capacity of 10,000 bushels/hr and natural gas burner rated at 108 MMBTU/hr;

(c) One (1) dry grain transfer elevator leg with a capacity of 15,000 bushels/hr;

(d) One (1) grain receiving leg with a capacity of 20,000 bushels/hr;

(e) One (1) grain transfer elevator leg with a capacity of 5,000 bushels/hr;

(f) One (1) wet transfer leg with a capacity of 15,000 bushels/hr; and

(g) One (1) mechanical grain loadout with a dust suppression hopper.

(2) The one (1) mechanical grain loadout shall be constructed with a dust suppression hopper to control fugitive emissions.

(3) The one (1) Zimmerman grain dryer shall be constructed such that all exhaust gases discharged pass through a 24 mesh screen or the installation is fitted with

other equipment or incorporates design features that will accomplish equally effective results in reducing particulate matter discharge.

(4) The three (3) transfer legs and one (1) receiving leg shall be constructed such that the existing mineral oil application system can be used to control fugitive emissions as applicable.

Part D1 – General Operating Conditions

(1) Except as otherwise provided in this part, all registered installations shall be operated in accordance with specifications included in the application and any operating procedures recommended by equipment vendors unless the Permittee obtains from the Department written authorization for alternative operating procedures.

(2) During operation of the two (2) Champion Hammermills, particulate matter emissions shall be captured and exhausted to a baghouse prior to discharging to the atmosphere.

(3) During operation of the major and minor scales, particulate matter emissions shall be captured and exhausted to a baghouse prior to discharging to the atmosphere.

(4) The one (1) salt bin shall have particulate matter emissions captured and exhausted to a baghouse prior to discharging to the atmosphere.

(5) The Permittee shall burn only propane or natural gas as fuel in the Cleaver Brooks boiler unless the Permittee obtains an approval from the Department to burn alternate fuels.

Part D2 – Feed Mill Pellet Line Operating Conditions

(1) In all areas of the Feed Mill Pellet Line, including the one (1) finished feed system and loadouts, where materials contain chromium or manganese, the Permittee shall maintain the following management practices and housekeeping measures to minimize dust:

(a) Use either an industrial vacuum system or manual sweeping to reduce the amount of dust;

(b) At least once per month, remove dust from walls, ledges, and equipment using low pressure air or by other means, and then sweep or vacuum the area;

(c) Keep exterior doors in the immediate affected areas shut except during normal ingress and egress, as practicable. This does not apply to areas where finished product is stored in closed containers, and no other materials containing chromium or manganese are present.

(d) Maintain and operate all process equipment in accordance with manufacturer's specifications and in a manner to minimize dust creation.

(e) Store any raw materials containing chromium or manganese in closed containers.

(f) The mixer where materials containing chromium or manganese are added must be covered at all times when mixing is occurring, except when the materials are being added to the mixer. Materials containing chromium or manganese must be added to the mixer in a manner that minimizes emissions.

(2) During operation of the Feed Mill Pellet Line, particulate matter emissions shall be captured and routed to the HE multi-cyclone designed to reduce emissions of particulate matter by 95 percent or greater.

(3) The HE multi-cyclone shall be operated according to manufacturer specifications.

Part D3 – Grain Handling and Processing Operating Conditions

(1) In accordance with COMAR 26.11.18.03A(2), the Permittee may not cause or permit the operation of any grain drying or handling operation unless the following procedures are used:

(a) proper housekeeping and equipment maintenance procedures, including, but not limited to, prompt removal of “beeswing” accumulation by a technique which prevents this material from re-entering the ambient air; and

(b) reasonable precautions to minimize emissions from grain receiving, conveyance, or load-out facilities in accordance with good engineering design and operation procedures.

(2) In accordance with COMAR 26.11.18.03A(1), the Permittee may not cause or permit the operation of any grain drying installation unless all exhaust gases discharged pass through a 24 mesh screen or the installation is fitted with other equipment or incorporates design features that will accomplish equally effective results in reducing particulate matter discharge. "Mesh" means Tyler Standard Screen Scale or its equivalent.

(3) The Permittee shall burn only natural gas as fuel for the grain dryer unless the Permittee obtains an approval from the Department to burn alternate fuels.

(4) From the one (1) grain dryer the Permittee shall not cause to be discharged into the atmosphere any emissions which exhibit greater than 0 percent. The standard for opacity stated in this condition does not apply during periods of startup, shutdown and malfunction. **[Reference: 40 CFR §60.302(a) and 40 CFR §60.11(c)]**

(5) The Truck (Grain) Receiving Pit (ARA Registration No. 039-0072-8-0030) and the Feed Ingredient Truck Pit (ARA Registration No. 039-0072-8-0032) shall each have fugitive dust be captured and vented to a baghouse prior to exhausting to the atmosphere.

(6) The Permittee shall not cause to be discharged into the atmosphere any fugitive emissions which exhibit opacity greater than 5 percent for the following emission sources:

(a) Truck (Grain) Receiving Pit (ARA Registration No. 039-0072-8-0030);

(b) Feed Ingredient Truck Pit (ARA Registration No. 039-0072-8-0032);

(c) Corn Rail Unloading Pit (ARA Registration No. 039-0072-8-0031); and

(d) Rail Feed Ingredient Receiving Pit (ARA Registration No. 039-0072-8-0033).

[Reference: 40 CFR §60.302(c)(1)]

(7) The Permittee shall not cause to be discharged into the atmosphere any fugitive emissions which exhibit opacity greater than 0 percent for the four (4) material processing legs rated at 390 tph, 4558 bushels/hr, 4645 bushels/hr, and 3500 bushels/hr (ARA Registration No. 039-0072-8-0040).
[Reference: 40 CFR §60.302(c)(2)]

(8) The Permittee shall not cause to be discharged into the atmosphere any fugitive emissions which exhibit opacity greater than 10 percent for the following emission sources:

(a) Three (3) gravity loadouts (ARA Registration No. 039-0072-8-0040); and

(b) One (1) mechanical grain loadout controlled by a dust suppression system (ARA Registration No. 039-0072-8-0040).
[Reference: 40 CFR §60.302(c)(3)]

(9) The standards for opacity stated conditions (4), (6), (7) and (8) do not apply during periods of startup, shutdown and malfunction. **[Reference: 40 CFR §60.11(c)]**

(10) Mineral oil application shall be used to control fugitive dust from all grain receiving and handling operations to meet the opacity standards of 40 CFR §60.302(c) when applicable.

Part E – Monitoring Requirements

(1) The Permittee shall perform quarterly inspections of the HE multi-cyclone on the Feed Pellet Line for corrosion, erosion, or any other damage that could result in air in-leakage.

(2) The Permittee shall monitor the inlet flow rate, inlet velocity, pressure drop, or fan amperage at least once per day when the Feed Mill Pellet Line is in operation.

Part F – Record Keeping and Reporting

(1) The Permittee shall maintain for at least five (5) years, and shall make available to the Department upon request, records of the following information:

(a) Monthly amount and type of fuel combusted in the Cleaver Brooks boiler; **[Reference: 40 CFR §60.48c(g)(2)]**

(b) Monthly amount of material processed in the two (2) Champion Hammermills;

(c) Monthly amount of material processed in the major and minor scales;

(d) Monthly amount of grain processed through each receiving pit and the grain handling equipment;

(e) Monthly amount of grain processed through the Zimmerman grain dryer;

(f) Monthly amount and type of fuel combusted in the burner for the Zimmerman grain dryer;

(g) Monthly amount of feed ingredients processed through the feed ingredient truck pit and the rail feed ingredient receiving pit;

(h) The preventative maintenance plan and all required maintenance logs;

(i) Monthly amount of feed produced in the Feed Mill Pellet Line;

(j) Manufacturer specifications for the HE-multi-cyclone indicating the cyclone is designed to reduce emissions of particulate matter by 95 percent or greater including:

i. The inlet flow rate, inlet velocity, pressure drop, or fan amperage range that represents proper operation of the cyclone; and

ii. The operation and maintenance procedures to ensure proper operation of the cyclone.

(k) Daily records of inlet flow rate, inlet velocity, pressure drop, or fan amperage of the Feed Mill Pellet Line; and

(l) Results of all quarterly inspections on the HE multi-cyclone, including:

i. The date, time, and location of each inspection;

ii. The person performing the inspection;

iii. The date, time, and duration of the corrective action period from the time the inspection indicated a problem to the time that the device was replaced or restored to operation.

(2) By March 1 of every year, the Permittee shall prepare an annual compliance certification report for the previous calendar year including the following information regarding the Feed Mill Pellet Line. If there are any instances of non-compliance as noted in (c) and (d), the report shall be submitted to the Department.

(a) The company name and address;

(b) A statement by a responsible official with that official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy, and completeness of the notification and a statement of whether the facility has complied with all the relevant standards and requirements of 40 CFR 63, Subpart DDDDDDD.

(c) Include a description of deviations from the applicable requirements, the time periods during which the deviations occurred, and the corrective actions taken.

(m) Identify all instances when the daily inlet flow rate, inlet velocity, pressure drop, or fan amperage is outside the range that constitutes proper operation of the HE multi-cyclone. In these instances, include the time periods when this occurred and the corrective actions taken.

(3) The Permittee shall maintain at the facility for at least five (5) years, and shall make available to the Department upon request, records necessary to support annual certifications of emissions and demonstrations of compliance for toxic air pollutants. Such records shall include, if applicable, the following:

(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.

(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 operate the grain handling equipment for a period of up to 180 days after initiating operation of the grain handling equipment.

(2) The Permittee shall provide the Department with written or electronic notification of the date on which operation of the grain handling equipment is initiated. Such notification shall be provided within 15 business days of the date to be reported.

(3) During the effective period of the temporary permit-to-operate the Permittee shall operate the new installation as required by the applicable terms and conditions of this permit-to-construct, and in accordance with operating procedures and recommendations provided by equipment vendors.

(4) The Permittee shall submit to the Department an application for a State permit-to-operate no later than 60 days prior to expiration of the effective period of the temporary permit-to-operate.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION

SUPPLEMENTAL INFORMATION REFERENCES

The Code of Maryland Regulations (COMAR) is searchable by COMAR citation at the following Division of State Documents website:
http://www.dsd.state.md.us/COMAR/ComarHome.html

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

Information on National Ambient Air Quality Standards (NAAQS) is located at the following U.S. Environmental Protection Agency (EPA) website:
https://www.epa.gov/criteria-air-pollutants/naaqs-table

Information on Maryland's Ambient Air Monitoring Program is located at the following Maryland Department of the Environment website:
http://mde.maryland.gov/programs/Air/AirQualityMonitoring/Pages/index.aspx

Information on the U.S. EPA's Screen3 computer model and other EPA-approved air dispersion models is located at the following U.S. EPA website:
http://www.epa.gov/scram001/dispersion_screening.htm

Information on the U.S. EPA TANKS Emission Estimation Software is located at the following U.S. EPA website:
http://www.epa.gov/ttn/chief/software/tanks/index.html

Information on the U.S. EPA Emission Factors and AP-42 is located at the following U.S. EPA website:
https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emission-factors