

5540 Centerview Drive  
Suite 100  
Raleigh, NC 27606

919.828.3150 PHONE  
919.828.1977 FAX

[www.TRCSolutions.com](http://www.TRCSolutions.com)

April 25, 2017

Ms. Marcellina Gurley  
Section Head  
Maryland Department of the Environment  
Air and Radiation Management Administration • Air Quality Permits Program  
1800 Washington Blvd  
Baltimore, Maryland 21230

Dear Ms. Gurley,

Valley Proteins, Inc. is requesting renewal of Operating Permit No. 019-0029. Valley Proteins, Inc. is submitting the attached MDE ARMA forms as required for this renewal.

Valley Proteins, Inc. owns and operates a rendering facility (Premises ID: 019-0029) located at 5420 Linkwood Road in Linkwood, Dorchester County, Maryland. The facility is designated as Valley Proteins – Linkwood Division, and produces meal, fats, and oils from the rendering of raw inedible animal byproducts and recycling of used restaurant grease.

Please note that the Valley Proteins has received a Permit to Construct (dated July 28, 2016) for the following sources:

- Two (2) Johnston 1,500 horsepower (hp) Boilers with conventional burners rated at 60.5 MMBtu/hr (Registration Nos. 0019-0029-5-0061 and -0062)
- One (1) Cleaver Brooks 700 hp Boiler with conventional burner rated at 29.3 MMBtu/hr (Registration No. 0019-0029-5-0060)
- One two-stage falling film evaporator with integral condensers and associated process equipment at the existing Meat Rendering Line (Registration No. 0019-0029-8-0063) with associated control equipment
- One feather hydrolyser at the existing Feather Rendering Line (Registration No. 0019-0029-8-0064) with associated control equipment

As of this renewal application submittal date of April 14, 2017, these sources have not been installed at the facility. These sources are included in the attached ARMA Forms. Valley Proteins is aware that an application for a Title V operating permit will be

Ms. Marcellina Gurley  
Maryland Department of the Environment  
April 25, 2017  
Page 2

required no later than 12 months after these sources commence operations, or become subject to Part 70 requirements, whichever is later.

Valley Proteins requests that Operating Permit No. 019-0029 be renewed. Please contact me (phone 919.256.6227, email: [mriley@trcsolutions.com](mailto:mriley@trcsolutions.com) ), or Mr. Robert Vogler of Valley Proteins (phone: 540.877.2590, email: [bvogler@valleyproteins.com](mailto:bvogler@valleyproteins.com)) with any questions.

Sincerely,



TRC Environmental Corporation  
Michael Riley  
Project Manager

Attachments

MARYLAND DEPARTMENT OF THE ENVIRONMENT

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



Air and Radiation Management Administration • Air Quality Permits Program

APPLICATION FOR PERMIT TO OPERATE PROCESS EQUIPMENT

1. Premise Identification:

Valley Proteins Linkwood Division

Premise Name or Identification

019-0029

Premise Number

5420 Linkwood Road

Linkwood

MD

21835

Dorchester

Premise Address

City

State

Zip

County

2. Equipment Identification

Single Installation       Process Line       Identical Units and No. \_\_\_\_\_

3. Describe Equipment and its Major Function. State Type and Size of Equipment and Type Control Device Associated with this Equipment Only.

Existing Unit - Registration No. 8-0063:

One Meat rendering line (Poultry offal processing) including four Rietz disintegrators, one fine ground precrusher, one double-effect falling film evaporator, one shell-n-tube condenser, one Marley cooling tower, one TST 100 Stord cooker, one Venturi scrubber, one two-stage packed tower, and two air-cooled condenser.

Permitted Unit - Registration No. 8-0063 - Changes to be made after April 30, 2017

One Meat rendering line Process (Poultry offal processing) including four Rietz disintegrators, one fine ground precrusher, two double-effect falling film evaporators with integral condensers, one shell-n-tube condenser, one Marley cooling tower, one TST 100 Stord cooker with integral condenser, and associated process equipment; one Venturi scrubber for non-condensable gases, one Venturi scrubber for high intensity gases, one single-stage packed tower scrubber to treat non-condensable and high intensity gases, two 1500 HP Johnston and one 700 HP Cleaver Brooks boilers to treat non-condensable gases (alternate control scenario), and one room air scrubber and two air-cooled condenser.

Signature

Title Director of Environmental Affairs

Date April 20, 2017



**MARYLAND DEPARTMENT OF THE ENVIRONMENT**

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

**Air and Radiation Management Administration • Air Quality Permits Program**

**APPLICATION FOR PERMIT TO OPERATE PROCESS EQUIPMENT**

**1. Premise Identification:**

Valley Proteins Linkwood Division

Premise Name or Identification

019-0029

Premise Number

5420 Linkwood Road

Linkwood

MD

21835

Dorchester

Premise Address

City

State

Zip

County

**2. Equipment Identification**

Single Installation       Process Line       Identical Units and No. \_\_\_\_\_

**3. Describe Equipment and its Major Function. State Type and Size of Equipment and Type Control Device Associated with this Equipment Only.**

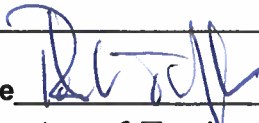
Existing Unit - Registration No. 8-0064:

One Feather rendering line (Feather and Blood processing) including two continuous feather hydrolizer, two continuous feather meal Atlas dryers, two air-cooled condensers, one venturi scrubber, one two-stage packed tower air scrubber and one room-air packed tower scrubber.

Permitted Unit - Registration No. 8-0064 - Changes to be made after April 30, 2017

One Feather rendering line Process (Feather and Blood processing) including three continuous feather hydrolysers with integral condensers, two continuous feather meal Atlas dryers, and associated feather and blood processing equipment; two air-cooled condensers, one Venturi scrubber, one two-stage packed tower air scrubber, two 1500 HP Johnston and one 700 HP Cleaver Brooks boilers to treat non-condensable gases (alternate control scenario), and one room-air packed tower scrubber.

Signature



Title

Director of Environmental Affairs

Date

April 20, 2017



**MARYLAND DEPARTMENT OF THE ENVIRONMENT**

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

**Air and Radiation Management Administration • Air Quality Permits Program**

**APPLICATION FOR PERMIT TO OPERATE PROCESS EQUIPMENT**

**1. Premise Identification:**

Valley Proteins Linkwood Division

Premise Name or Identification

019-0029

Premise Number

5420 Linkwood Road

Linkwood

MD

21835

Dorchester

Premise Address

City

State

Zip

County

**2. Equipment Identification**

Single Installation

Process Line

Identical Units and No. \_\_\_\_\_

**3. Describe Equipment and its Major Function. State Type and Size of Equipment and Type Control Device Associated with this Equipment Only.**

Existing Unit - Registration No. 8-0065:

Meal loadout, no control device.

(Formerly described as: Poultry /Feather meal loadout)

Signature



Title

Director of Environmental Affairs

Date

April 20, 2017



**MARYLAND DEPARTMENT OF THE ENVIRONMENT**

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

Air and Radiation Management Administration • Air Quality Permits Program

**APPLICATION FOR PERMIT TO OPERATE FUEL BURNING EQUIPMENT**

**1. Premise Identification:**

Premise Name or Identification: Valley Proteins Linkwood Division  
 Premise Address: 5420 Linkwood Road, Linkwood, MD 21835 (Dorchester Co.)  
Street City State Zip County  
 Premise Number: 019-0029

**2. Equipment Identification**

Unit	Manufacturer	MM Btu/hr	Primary Fuel	Secondary Fuel	Registration #
1	Trane	99.5	Natural Gas	No.2 Oil/biofuels	5-0024
2	Zurn	49.5	Natural Gas	No.2 Oil/biofuels	5-0025
3	Babcock and Wilcox	98.4	Natural Gas	No.2 Oil/biofuels	0019-0029-5-0049
4					

**3. Total Fuel Consumption During Last 12 Month Period Ending 12-31-2016**

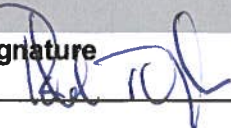
Unit	Primary Fuel	Units	Secondary Fuel	Units
1	1.9	mmcf	0	gal
2	88.7	mmcf	15,410 (No.2 Oil)	gal
3	400.6	mmcf	47,392 (No.2 Oil)	gal
4				

**4. Control Equipment (if applicable)**

Unit	Type	Date Installed	Date to be Installed
1			
2			
3			
4			

Director of Environmental Affairs

Signature



Title

*Director of Environmental Affairs*

Date

*April 20, 2017*



# MARYLAND DEPARTMENT OF THE ENVIRONMENT

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

Air and Radiation Management Administration • Air Quality Permits Program

## APPLICATION FOR PERMIT TO OPERATE FUEL BURNING EQUIPMENT

### 1. Premise Identification:

Premise Name or Identification: Valley Proteins Linkwood Division

Premise Address: 5420 Linkwood Road, Linkwood, MD 21835 (Dorchester Co.)

Street City State Zip County

Premise Number: 019-0029

### 2. Equipment Identification

Unit	Manufacturer	MM Btu/hr	Primary Fuel	Secondary Fuel	Registration #
1	Cleaver-Brooks	29.3	Natural Gas	No.2 Oil or saleable fat	0019-0029-5-0060
2	Johnston	60.5	Natural Gas	No.2 Oil or saleable fat	0019-0029-5-0061
3	Johnston	60.5	Natural Gas	No.2 Oil or saleable fat	0019-0029-5-0062
4					

### 3. Total Fuel Consumption During Last 12 Month Period Ending Boilers not installed as of 04-30-2017

Unit	Primary Fuel	Units	Secondary Fuel	Units
1	N/A		N/A	
2	N/A		N/A	
3	N/A		N/A	
4				

### 4. Control Equipment (if applicable)

Unit	Type	Date Installed	Date to be Installed
1			
2			
3			
4			

Director of Environmental Affairs

Signature

*[Handwritten Signature]*

Title

*Director of Environmental Affairs*

Date

*April 29, 2017*





**MARYLAND DEPARTMENT OF THE ENVIRONMENT**

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

**Air and Radiation Management Administration • Air Quality Permits Program**

**APPLICATION FOR PERMIT TO OPERATE PROCESS EQUIPMENT**

**1. Premise Identification:**

Valley Proteins Linkwood Division

Premise Name or Identification

019-0029

Premise Number

5420 Linkwood Road

Linkwood

MD

21835

Dorchester

Premise Address

City

State

Zip

County

**2. Equipment Identification**



Single Installation



Process Line



Identical Units and No. \_\_\_\_\_

**3. Describe Equipment and its Major Function. State Type and Size of Equipment and Type Control Device Associated with this Equipment Only.**

Existing Unit - Not Registered:

One (1) 15,000-gallon above ground storage tank for No.2 fuel oil. No control device.

Signature

*[Handwritten Signature]*

Title

*Director of Environmental Affairs*

Date

*April 21, 2017*

