COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-2009
www.deq.virginia.gov

Doug Domenech
Secretary of Natural Resources

David K. Paylor
Director

Maria R. Nold
Regional Director

June 3, 2013

Mr. Mark C. Porter
General Manager
Smithfield Packing Company, Inc. - Complex
601 North Church Street
Smithfield, Virginia 23430

Location: Smithfield
Registration No.: 60270
AFS Id. No.: 51-093-00011

Dear Mr. Porter:

Attached is a permit to operate your meat processing and rendering plant pursuant to 9 VAC 5 Chapter 80 of the Virginia Regulations for the Control and Abatement of Air Pollution. This permit incorporates provisions from the NSR permits dated June 12, 2007 and March 18, 2013.

The permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

In evaluating the application and arriving at a final decision to issue this permit, the Department deemed the application complete on March 18, 2013, and solicited written public comments by placing a newspaper advertisement in the Virginian-Pilot newspaper on Wednesday, April 17, 2013. The thirty day comment period (provided for in 9 VAC 5-80-270) expired on Friday, May 17, 2013 with no comments having been received in this office.

This approval to operate does not relieve Smithfield Packing Company, Inc. - Complex of the responsibility to comply with all other local, state, and federal permit regulations.

Issuance of this permit is a case decision. The Regulations, at 9 VAC 5-170-200, provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this permit is mailed or delivered to you. Please consult that and other relevant provisions for additional requirements for such requests.

Additionally, as provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal to court by filing a Notice of Appeal with:

David K. Paylor, Director
Department of Environmental Quality
PO Box 1105
Richmond, VA 23218-1105

In the event that you receive this permit by mail, three days are added to the period in which to file an appeal. Please refer to Rule 2A of the Rules of the Supreme Court of Virginia for additional information including filing dates and the required content of the Notice of Appeal.

If you have any questions concerning this permit, please contact Ms. Yen Bao by phone at (757) 518-2195 or by e-mail at yen.bao@deq.virginia.gov.

Sincerely,

Troy D. Breathwaite
Regional Air Permits Manager

TDB/YTB/60270_021_13_cvrltr_T5Renewal_Smithfield Packing.doc

Attachment: Permit

cc: Manager, Data Analysis (electronic file submission)
Manager/Inspector, Air Compliance
Chief, Air Enforcement Branch (3AP13), U.S. EPA, Region III (electronic file submission)

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Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Smithfield Packing Company, Inc. - Complex
Facility Name:	Smithfield Packing Company, Inc. - Complex
Facility Location:	401, 501 and 601 North Church Street, and 210 Berry Hill Road, Smithfield, Virginia 23430
Registration Number:	60270
Permit Number:	**TRO-60270**

This permit includes the following programs:

Federally Enforceable Requirements - Clean Air Act (Pages 4 through 33)
State Only Enforceable Requirements (Page 34)

June 3, 2013
Effective Date

June 2, 2018
Expiration Date

_____
Maria R. Nold, Regional Director

June 3, 2013
Signature Date

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Facility Information

Permittee
The Smithfield Packing Company, Inc. - Complex
601 North Church Street
Smithfield, VA 23430

Responsible Official
Mark C. Porter
General Manager

Facility
The Smithfield Packing Company, Inc. - Complex
401, 501 and 601 North Church Street, and 210 Berry Hill Road
Smithfield, VA 23430

Contact Person
Daniel Noack
Environmental Manager
757-357-1501

County-Plant Identification Number: 51-093-00011

Facility Description:

NAICS 311611- Animal Slaughtering, NAICS 311612- Meat Processed from Carcasses,
NAICS 311613- Rendering and Meat Byproduct Processing,
NAICS 311111- Dog and Cat Food Manufacturing, and
NAICS 811111- General Automotive Repair

The facility, located on North Church Street, harvests hogs to produce fresh, processed, and ready-to-eat dry cured meats. Inedible materials are rendered to produce meat and bone meal, blood meal, and fats. The facility also has a pet food operation, Premium Pet Health (PPH), which packs and ships organs for pet food, and a test kitchen (R&D) for product research and development. A truck shop (TS) at 210 Berry Hill Road, adjacent to the North truck gate, provides contract transportation, tractor and trailer maintenance services for the facility.

Main emission units are boilers that provide steam and hot water for the processes. Other emission units include singers to remove hair from carcasses, cookers, dryers, ovens, smoke generators, heaters, and aboveground storage tanks for fuels, fat/grease and other process ingredients. Many of the units qualify as insignificant emission units. There is also an onsite wastewater treatment system using open lagoons to treat wastewater prior to discharge to the publicly-owned treatment plant for further treatment.

There are two minor NSR permits dated 6/12/2007 and 3/18/13.

Emission Units

Equipment to be operated consists of the following units. Note that the word South or North in the Emission Unit ID column indicates the location of the equipment for tracking purpose.

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Fuel Burning Equipment							
URN 40 South	S40	Cleaver Brooks boiler, 2005, NSPS Dc, MACT JJJJJJ	32.659 MMBTU/hr	NA	NA	NA	3/18/13 NSR
URN 41 South	S41	Cleaver Brooks boiler, 2005, NSPS Dc, MACT JJJJJJ	32.659 MMBTU/hr	NA	NA	NA	3/18/13 NSR
URN 52 North	S52	Continental Boiler, 1968, installed before 3/17/72, modified in 2007 by addition of an economizer, MACT JJJJJJ	34.8 MMBTU/hr	NA	NA	NA	6/12/07 NSR
URN 53 North	S53	Continental Boiler, 1972, installed before 3/17/72, modified in 2007 by addition of an economizer, MACT JJJJJJ	34.8 MMBTU/hr	NA	NA	NA	6/12/07 NSR
URN 54 North	S54	Cleaver Brooks Boiler, 1972, installed in 1983, modified in 2007 by addition of an economizer, MACT JJJJJJ	29.3 MMBTU/hr	NA	NA	NA	6/12/07 NSR
URN 51 North	S51	Continental Boiler, 1958, installed before 3/17/72, MACT JJJJJJ	25.9 MMBTU/hr	NA	NA	NA	6/12/07 NSR
URN 86 North	S86	Superior Boiler, Model 6-5-750L-GP, Serial #12172, 1994, MACT JJJJJJ	6.3 MMBTU/hr	NA	NA	NA	6/12/07 NSR

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Process Equipment							
URN 7 South	S35	Dupps Blood Ring Dryer 2000B, installed in 1988	5.5 MMBTU/hr, 2,300 lb/hr finished blood meal product	Venturi scrubber, Dupps Model 4, 4,000 cfm	C35	PM-10, odor	Exempt (9/25/02 NSR)
URN 35 South	S35	Dupps 290J Supercooker, Inedible Rendering Continuous Cooker, installed in 1988, replaced in 2004	46,000 lb/hr input, 23,000 lb/hr output	AC Corporation Shell-and-tube Condenser	C35	PM-10, odor	Exempt (1/13/04 letter)
URN 110-115 North	S110-115	Six Alkar Ovens with Maxon 435 burners, 2005	3.85 MMBTU/hr each	NA	NA	NA	6/12/07 NSR
URN 120 North	S110 & 111	Schroter Smoke Generator, Model R-91 - 2005	8.3 kW (No fuel) 26 lbs sawdust/hr	NA	NA	NA	6/12/07 NSR
URN 121 North	S112 & 113	Schroter Smoke Generator, Model R-91, 2005	8.3 kW (No fuel) 26 lbs sawdust/hr	NA	NA	NA	6/12/07 NSR
URN 122 North	S114 & 115	Schroter Smoke Generator, Model R-91, 2005	8.3 kW (No fuel) 26 lbs sawdust/hr	NA	NA	NA	6/12/07 NSR
URN 123 North	S78 & 79	Schroter Smoke Generator, Model R-91, 2005	8.3 kW (No fuel) 26 lbs sawdust/hr	NA	NA	NA	6/12/07 NSR

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

Fuel Burning Equipment, Ovens and Smoke Generators Requirements

1. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41 - Limitations-** NOx emissions from the boilers shall be controlled by low NOx burners and flue gas recirculation. (9 VAC 5-80-110 and Condition 2 of 3/18/13 NSR permit)
2. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41 - Limitations -** The approved fuels for boilers URN 40 and 41 are natural gas, distillate oils, and animal/vegetable oils. A change in the fuels may require a permit to modify and operate. (9 VAC 5-80-110 and Condition 4 of 3/18/13 NSR permit)
3. **Fuel Burning Equipment Requirements – Boilers URN 51 through 54, and 86 - Limitations -** The approved fuels for boilers URN 51 through 54, and 86 are natural gas, distillate oils, and residual oils. A change in fuels may require a permit to modify and operate.
   (9 VAC 5-80-110 and Condition 3 of 6/12/07 NSR permit)
4. **Fuel Requirements for Ovens URN 110-115 –Limitations-** The approved fuel for the six ovens (URN 110-115) is natural gas. A change in the fuel may require a permit to modify and operate.
   (9 VAC 5-80-110 and Condition 4 of 6/12/07 NSR permit)
5. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41 - Limitations -** Boilers URN 40 and 41 combined shall consume no more than 1,110,000 gallons of distillate oils or 4,450,000 gallons animal fat/vegetable oils per year, calculated monthly as the sum of each consecutive 12-month period. If more than one type of fuel oils are combusted in any consecutive 12-month period, the distillate oil throughput limit for boilers URN 40 and 41 combined shall be calculated as follows:

   Distillate oil throughput limit (gallons/year) = d = 1,110,000 – (f/78.9) where

   f=gallons of animal fat/vegetable oils, fired in 12 consecutive months by boilers URN 40 and 41 combined.
   (9 VAC 5-80-110 and Condition 5 of 3/18/13 NSR permit)
6. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41 - Limitations -** Boilers URN 40 and 41 shall consume no more than 572 million cubic feet of natural gas per year, combined, calculated monthly as the sum of each consecutive 12-month period.
   (9 VAC 5-80-110 and Condition 6 of 3/18/13 NSR permit)
7. **Fuel Burning Equipment Requirements – Boilers URN 52 through 54- Limitations**- The following limits simultaneously apply:

   - The three boilers combined shall consume no more than 675,000 gallons of distillate oil and residual oil, combined, per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

- Total fuel throughputs of natural gas, distillate oil and residual oil to the three boilers combined shall be limited by the annual combined NOx emission limit in Condition 17, which is capped to keep the projected net emission increase below the PSD significant levels as defined in 9 VAC 5-80-1615. Compliance with the annual emission limit shall be determined monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months using DEQ-approved emission factors, fuel certifications, and fuel usage records. Calculation methods shall be submitted to and approved by the Director, Tidewater Regional Office.
(9 VAC 5-80-110 and Condition 5 of 6/12/07 NSR permit)

8. **Smoke Generators URN 120 through 123- Limitations-** The throughput of sawdust for the four smoke generators URN 120-123 shall not exceed 252.7 tons per year combined, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-110 and Condition 6 of 6/12/07 NSR permit)

9. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41 - Limitations -** Fuel oils for boilers URN 40 to 41 shall meet the specifications below:

   DISTILLATE OILS which meet ASTM D396 specifications for numbers 1 or 2 fuel oil.

   ANIMAL FAT/ VEGETABLE OILS which are oil blends produced on site from the facility's rendering process or obtained from other suppliers.
   Maximum sulfur content by weight 0.006%

   (9 VAC 5-80-110 and Condition 7 of 3/18/13 NSR permit)

10. **Fuel Burning Equipment Requirements – Boilers URN 51 through 54, and 86 - Limitations** - Fuel oils for boilers URN 1 to 4 shall meet the specifications below:

    RESIDUAL OILS which meet ASTM specifications for numbers 4, 5 or 6 fuel oil:
    Maximum sulfur content per shipment: 0.5 %

    DISTILLATE OILS which meet ASTM specifications for numbers 1 or 2 fuel oil:
    Maximum sulfur content per shipment: 0.5 %
    (9 VAC 5-80-110, Condition 7 of 6/12/07 NSR permit)

11. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41 – Limitations -** The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:

    a. The name of the fuel supplier;

    b. The date on which the distillate oil was received;

    c. The volume of distillate oil delivered in the shipment; and

d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications D396 for numbers 1 or 2 fuel oil.

Fuel sampling and analysis, independent of that used for certification, as may be periodically required or conducted by DEQ may be used to determine compliance with the fuel specifications stipulated in Condition 9. Exceedance of these specifications may be considered credible evidence of the exceedance of emission limits.

(9 VAC 5-80-110 and Condition 8 of 3/18/13 NSR permit)

12. **Fuel Burning Equipment Requirements – Boilers URN 51 through 54, and 86 - Limitations -** The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil or residual oil for boilers URN 51 through 54, and 86. Each fuel supplier certification shall include the following:

    a. The name of the fuel supplier;

    b. The date on which the oil was received;

    c. The volume of oil delivered in the shipment;

    d. The American Society for Testing and Materials classification of the oil; and

    e. The percent sulfur content of the oil.

    Fuel sampling and analysis, independent of that used for certification, as may be periodically required or conducted by DEQ may be used to determine compliance with the fuel specifications stipulated in Condition 10. Exceedance of these specifications may be considered credible evidence of the exceedance of emission limits.
    (9 VAC 5-80-110 and Condition 8 of 6/12/07 NSR permit)

13. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41 - Limitations - Requirements by Reference (NSPS) -** Except where this permit is more restrictive than the applicable requirement, boilers URN 40 and 41 shall be operated in compliance with the requirements of 40 CFR 60, Subpart Dc- Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.
    Note: All applicable requirements of 40 CFR 60, Subpart Dc may not be specifically listed in this permit. The permittee should refer to the most current version of the applicable regulation for additional or revised requirements not included in this permit.
    (9 VAC 5-80-110, and Condition 10 of 3/18/13 NSR permit)

14. **Fuel Burning Equipment Requirements – Boilers URN 40, 41, 51 through 54, and 86- Limitations - Requirements by Reference (MACT) -** Except where this permit is more restrictive than the applicable requirement, boilers URN 40, 41, 51 through 54, and 86 shall be operated in compliance with the requirements of 40 CFR 63, Subpart JJJJJJ- National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers at Area Sources. A boiler is not subject to the MACT if it meets the gas-fired boiler exclusion in 40 CFR 63.11195(e).
    Note: All applicable requirements of 40 CFR 63, Subpart JJJJJJ may not be specifically listed in this permit. The permittee should refer to the most current version of the applicable regulation for additional or revised requirements not included in this permit.
    (9 VAC 5-80-110 and 9 VAC 5-60-100)

15. **Fuel Burning Equipment Requirements – Boiler URN 51 - Limitations -**Emissions from the operation of each of the two boilers shall not exceed the limits specified below:

Particulate Matter (filterables)	1.4 lbs/hr each
Sulfur Dioxide	13.6 lbs/hr each

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 10 and 12.

(9 VAC 5-80-110 and Condition 7 of 6/12/07 NSR permit)

16. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41 - Limitations -** Emissions from the operation of the two boilers shall not exceed the limits specified below:

	Each	Combined
Particulate Matter	0.8 lbs/hr	4.7 tons/yr
PM-10	0.5 lbs/hr	4.0 tons/yr
Sulfur Dioxide	16.8 lbs/hr	39.6 tons/yr
Nitrogen Oxides (as NO_2)	6.2 lbs/hr	35.4 tons/yr
Carbon Monoxide	2.3 lbs/hr	13.1 tons/yr
Volatile Organic Compounds	1.0 lbs/hr	5.6 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 1, 2, 5, 6, 9, 11, 21 through 24, 28 and 29.
(9 VAC 5-80-110, and Condition 11 of 3/18/13 NSR permit)

17. **Fuel Burning Equipment Requirements – Boilers URN 52, URN 53 and URN 54 - Limitations-** Emissions from the operation of the three boilers shall not exceed the limits specified below:

	URN 52	URN 53	URN 54	Combined
Particulate Matter (Filterables)	1.8 lbs/hr	1.8 lbs/hr	1.5 lbs/hr	5.5 tons/yr
PM-10 (Filterables)	1.6 lbs/hr	1.6 lbs/hr	1.3 lbs/hr	5.2 tons/yr
Sulfur Dioxide	18.2 lbs/hr	18.2 lbs/hr	15.3 lbs/hr	27.4 tons/yr
Nitrogen Oxides (as NO_2)	12.8 lbs/hr	12.8 lbs/hr	10.7 lbs/hr	39.7 tons/yr

Carbon Monoxide	2.9 lbs/hr	2.9 lbs/hr	2.5 lbs/hr	36.4 tons/yr
Volatile Organic Compounds	0.2 lbs/hr	0.2 lbs/hr	0.2 lbs/hr	2.4 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 3, 7, 10, 12, 19, 23, and 24.
(9 VAC 5-80-110 and Condition 9 of 6/12/07 NSR permit)

18. **Smoke Generators Requirements – URN 120 through 123- Limitations**- Emissions from the operation of the smoke generators URN 120, 121, 122 and 123 shall not exceed the limits specified below:

	Each	Combined
Particulate Matter (PM) (including condensable PM)	0.7 lbs/hr	6.7 tons/yr
PM-10	0.7 lbs/hr	6.7 tons/yr
Volatile Organic Compounds	0.6 lbs/hr	5.6 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 8, 19, and 24.
(9 VAC 5-80-110 and Condition 10 of 6/12/07 NSR permit)

19. **Fuel Burning Equipment, Ovens, and Smoke Generators Requirements – Boilers URN 52 through 54, and 86, Ovens URN 110-115, and Smoke Generators URN 120-123 - Limitations** -Visible Emissions from each of the boiler stacks shall not exceed twenty percent (20%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty percent (30%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 12 of 6/12/07 NSR permit)

20. **Fuel Burning Equipment Requirements – Boilers URN 51 - Limitations -**Visible Emissions from each of the boiler stacks shall not exceed twenty percent (20%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed sixty percent (60%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110 and Condition 11 of 6/12/07 NSR permit)

21. **Fuel Burning Equipment Requirements – URN 40 and URN 41 - Limitations -**Visible Emissions from each of the boiler stacks shall not exceed ten percent (10%) opacity except during one six-minute period in any one hour in which visible emissions shall not exceed twenty percent (20%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 12 of 3/18/13 NSR permit)

22. **Fuel Burning Equipment Requirements – URN 40, 41, 51 through 54, and 86 - Limitations -** Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boiler, and maintain records of all scheduled and non-scheduled maintenance. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept on site and made available for inspection by the DEQ.
(9 VAC 5-80-110, Condition 9 of 3/18/13 NSR permit, and Condition 19 of 6/12/07 NSR permit)

23. **Fuel Burning Equipment Requirements – Boilers URN 40, 41, 51 through 54, and 86 - Monitoring –** In any week that a permitted fuel other than natural gas is used by any of the boilers 40, 41, 51 through 54, and 86 for one day or more, the permittee shall observe the operating boiler stack while firing that fuel at least once per week (Monday-Sunday) during daylight hours of operations for visible emissions for at least sixty seconds. If visible emissions are noted from any stack(s), operational adjustment or maintenance shall be performed on the boiler(s) to eliminate the visible emissions. If visible emissions continue after maintenance actions, a visible emissions evaluation (VEE) shall be immediately conducted on the stack(s) for at least six minutes in accordance with Method 9 (40 CFR 60, Appendix A). If the VEE opacity average for the stack exceeds ten percent (10%), the VEE shall continue for one hour from initiation to determine compliance with the opacity limit. Results of observations and/or VEEs shall be recorded in the operation log.
Records of observations shall include the following:

    a. The name of the observer,

    b. Date and time of the observation,

    c. An indication of presence or absence of visible emissions,

    d. The color of the emissions,

    e. The duration of any visible emission incident, and any corrective action to eliminate visible emissions.

    f. If a VEE is conducted, records shall be in accordance with Method 9 (40 CFR 60, Appendix A).

    (9 VAC 5-80-110, Condition 18 of 3/18/13 NSR permit, and Condition 14 of 6/12/07 NSR permit)

24. **Fuel Burning Equipment, Ovens, and Smoke Generators Requirements – Boilers URN 40, 41, 51 through 54, and 86, Ovens URN 110-115, and Smoke Generators URN 120-123 - Recordkeeping** -The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

    a. Daily, monthly, and annual throughput of natural gas, distillate oil, and animal fat/vegetable oils for boilers URN 40 and 41 (or alternate records as approved in writing by EPA, Region III). Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.

    b. Annual throughput limitations for boilers URN 40 and 41, calculated monthly, for distillate oils as determined according to Condition 5.

    c. Records to demonstrate meeting the gas-fired boiler exclusion in 40 CFR 63.11195(e), or records of Initial Notification, Notifications of Compliance Status, initial tune-up, and biennial tune-ups for each of the boilers URN 40, 41, 51 through 54, and 86, as required by MACT Subpart JJJJJJ.

    d. Records to demonstrate meeting the gas-fired boiler exclusion in 40 CFR 63.11195(e), or records of one-time energy assessment for each of the boilers URN 40, 41, and 51 through 54, as required by MACT Subpart JJJJJJ.

    e. Records of maintenance, operating procedures, and boiler operator training as required by Condition 22.

    f. Annual throughput of natural gas, distillate oil, and residual oil for boilers URN 52, 53, and 54 combined. Annual throughput of each fuel shall be calculated monthly as the sum of each consecutive 12-month period.

    g. Monthly calculation of NOx emissions from boilers URN 52, 53, and 54 combined to demonstrate compliance to the annual NOx emission limit as described in Condition 7 and 17.

    h. Annual throughput of sawdust for the smoke generators URN 120 through 123 combined, calculated monthly as the sum of each consecutive 12-month period.

    i. All fuel supplier certifications for fuels combusted in boilers URN 40, 41, 51 through 54, and 86.

    j. Results of all stack tests, visible emission evaluations, and visible emission monitoring.

    These records shall be available on site for inspection by the DEQ and shall be current for the most recent (5) years.

    (9 VAC 5-80-110, 9 VAC 5-60-100, Condition 19 of 3/18/13 NSR permit, and Condition 15 of 6/12/07 NSR permit)

25. **Fuel Burning Equipment Requirements – Boilers URN 40, 41, 51 through 54, and 86- MACT JJJJJJ Initial Compliance Demonstration- Initial Tune-Up-** Except for any boiler that meets the definition of a gas-fired boiler in 40 CFR 63.11237, the permittee shall conduct the initial tune-up for each boiler as required by 40 CFR 63.11214 (b), and submit a signed statement in the Notice of Compliance Status report that indicates that you conducted the initial tune-ups no later than March 21, 2014.
(9 VAC 5-80-110 and 9 VAC 5-60-100)

26. **Fuel Burning Equipment Requirements – Boilers URN 40, 41, and 51 through 54- MACT JJJJJJ Initial Compliance Demonstration- One-time Energy Assessment-** Except for any boiler that meets the definition of a gas-fired boiler in 40 CFR 63.11237, the permittee shall have a one-time energy assessment conducted in accordance with Table 2 of MACT Subpart JJJJJJ by a qualified energy assessor for each boiler as required by 40 CFR 63.11214(c), and submit a signed certification in the Notice of Compliance Status report that indicates that the energy assessment was conducted no later than March 21, 2014. The energy assessment report shall be submitted upon request.
(9 VAC 5-80-110 and 9 VAC 5-60-100)

27. **Fuel Burning Equipment Requirements – Boilers URN 40, 41, 51 through 54, and 86- MACT JJJJJJ Continuing Compliance Demonstration- Biennial Tune-ups-** Except for any boiler that meets the definition of a gas-fired boiler in 40 CFR 63.11237, the permittee shall conduct biennial tune-ups of each boiler and keep records as required by 40 CFR 63.11223. Each biennial tune-up shall be conducted no more than 25 months after the previous tune-up.
(9 VAC 5-80-110 and 9 VAC 5-60-100)

28. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41– Testing– Stack Test for Initial Compliance Determination-** Initial performance tests shall be conducted for priority pollutants PM, SO_2, and NOx from boilers URN 40 and 41 stacks while firing animal fat/vegetable oils to determine compliance with the PM and NOx emission limits in Condition 16, and the sulfur content limit in Condition 9. The potential annual emissions shall be calculated using the animal fat/vegetable oil throughput limits in Condition 5 which shall be revised as necessary to meet the annual emission limits. The tests shall be performed at the maximum production rate at which the facility will be operated no later than 90 days after the permitted facility starts using animal fat/vegetable oils. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30, and the test methods and procedures contained in each applicable section or subpart listed in 9 VAC 5-50-410. The details of the tests are to be arranged with the Tidewater Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. The sulfur content in the animal fat/vegetable oil shall be calculated from the SO2 stack test results. The permittee may substitute SO2 stack test with sampling and analysis of animal fat/vegetable oil fuel for sulfur content by procedures as approved by DEQ. One copy of the test results shall be submitted to the Tidewater Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-80-110, and Condition 14 of 3/18/13 NSR permit)

29. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41- Testing- Visible Emissions Evaluation for Initial Compliance Determination Boilers URN 40 and 41**- Visible Emission Evaluations (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9, shall be conducted on boilers URN 40 and 41 while firing distillate oils or animal fat/vegetable oils. Each test shall consist of 30 sets of 24 consecutive observations (at 15 second intervals) to yield a six minute average. The details of the tests are to be arranged with the Tidewater Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. The evaluation shall be performed, reported and demonstrate compliance within 60 days after achieving the maximum production rate at which the facility will be operated but in no event later than 180 days after start-up of the permitted facility. One copy of the test result shall be submitted to the Tidewater Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-80-110, and Condition 15 of 3/18/13 NSR permit)

30. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41-Testing-** Upon request by the DEQ, the permittee shall conduct additional performance tests for boilers URN 40 and 41 to demonstrate compliance with the emission limits contained in this permit. The details of the tests shall be arranged with the Tidewater Regional Office.
(9 VAC 5-80-110, and Condition 16 of 3/18/13 NSR permit)

31. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41 –Testing–** Upon request by the DEQ, the permittee shall conduct additional visible emission evaluations for boilers URN 40 and 41 to demonstrate compliance with the visible emission limits contained in this permit. The details of the tests shall be arranged with the Tidewater Regional Office.
(9 VAC 5-80-110, and Condition 17 of 3/18/13 NSR permit)

32. **Fuel Burning Equipment Requirements – Boilers URN 40, 41, 51 through 54, and 86-MACT JJJJJJ Initial Notification**- Except for any boiler that meets the definition of a gas-fired boiler in 40 CFR 63.11237, the permittee shall submit an initial notification no later than January 20, 2014 as required by 40 CFR 63.11225(a)(1) and (2). The notification shall contain information specified 40 CFR 63.9(b)(2) and shall be sent to:

    Associate Director
    Office of Air Enforcement and Compliance Assistance (3AP20)
    U.S. Environmental Protection Agency
    Region III
    1650 Arch Street
    Philadelphia, PA 19103-2029

    (9 VAC 5-80-110 and 9 VAC 5-60-100)

33. **Fuel Burning Equipment Requirements – Boilers URN 1 through 4, 40, 41, 51 through 54, and 86- MACT JJJJJJ Notification of Compliance Status**- Except for any boiler that meets the definition of a gas-fired boiler in 40 CFR 63.11237, the permittee shall submit a Notification of Compliance Status no later than 120 days after the compliance date of March 21, 2014, as required by 40 CFR 63.11225(a)(4). The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the address in Condition 32.
(9 VAC 5-80-110 and 9 VAC 5-60-100)

34. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41 – NSPS Dc Initial Notifications** - The permittee shall furnish written notification to the Director, Tidewater Regional Office the anticipated date of performance tests of the boilers postmarked at least 30 days prior to such date.

    A copy of the written notification is to be sent to the address in Condition 32.

    (9 VAC 5-80-110 and Condition 21 of 3/18/13 NSR permit)

35. **Fuel Burning Equipment Requirements – Boilers URN 40 and 41 – NSPS Dc Semi-Annual Reporting -** The permittee shall submit fuel quality reports to the Tidewater Regional Office within 30 days after the end of each semi-annual period. If no shipments of distillate oil for use in boilers URN 40 and 41 were received during the semi-annual period, the semi-annual report shall consist of the dates included in the semi-annual period and a statement that no oil was received during the semi-annual period. If distillate oil was received during the semi-annual period, the reports shall include:

    a. Dates included in the semi-annual period,

    b. A copy of all fuel supplier certifications for all shipments of distillate oil received during the semi-annual period or a semi-annual summary from each fuel supplier that includes the information specified in Condition 9 for each shipment of distillate oil, and

    c. A signed statement from the owner or operator of the facility that the fuel supplier certifications or summaries of fuel supplier certifications represent all of the distillate oil burned or received at the facility.

    One copy of the semi-annual report shall be submitted to the U.S. Environmental Protection Agency at the address specified in Condition 32.
    (9 VAC 5-80-110 and Condition 20 of 3/18/13 NSR permit)

Rendering Process Equipment Requirements – (URN 7 and 35)

36. **Rendering Process Equipment Requirements – (URN 7 and 35) - Limitations -** PM/PM-10 emissions from inedible rendering process shall be controlled as follows:

    a. Emissions from continuous cooker URN 35 shall be controlled by a shell-and-tube condenser (for removal of condensibles);

    b. Emissions from blood ring dryer URN 7 shall be captured and ducted to a venturi scrubber; and

    c. Venturi scrubber water flow, and pressure drop across the venturi scrubber throat, shall be continuously monitored, with water flow at least 8 gallons per minute, and pressure drop maintained between 5 and 10 inches of water.

    (9 VAC 5-80-110)

37. **Rendering Process Equipment Requirements – URN 7 and Venturi Scrubber - Monitoring Devices -** The venturi scrubber shall be equipped with devices to continuously measure scrubber water flow, and differential pressure across the scrubber. Each monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, at minimum, manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection, and shall be in operation during rendering operations.
    (9 VAC 5-50-20 and 9 VAC 5-80-110)

38. **Rendering Process Equipment Requirements – Continuous Cooker URN 35 - Limitations**- Particulate emissions from the operation of continuous cooker URN 35 shall not exceed the limits specified by the following equation:

    $$E = 4.10\ P^{0.67}$$

    where: E = emission rate in lb/hr
    P = process weight in tons/hr

    (9 VAC 5-80-110, 9 VAC 5-40-260, and 9 VAC 5-50-10 D)

39. **Rendering Process Equipment Requirements – Blood Ring Dryer URN 7- Limitations**- Particulate emissions from the operation of blood ring dryer URN 7 shall not exceed the limits specified by the following equation:

    $$E = 4.10\ P^{0.67}$$

    where: E = emission rate in lb/hr
    P = process weight in tons/hr

    (9 VAC 5-80-110, 9 VAC 5-40-260, and 9 VAC 5-50-10 D)

40. **Rendering Process Equipment Requirements – URN 7 and 35- Periodic Visible Emission Monitoring -** The permittee shall check the venturi scrubber stack at least once each week (Monday-Sunday) during daylight hours of operations for visible emissions. If visible emissions are noted from the stack, maintenance shall be performed on the venturi scrubber to eliminate the visible emissions. If visible emissions continue after maintenance actions, a visible emissions evaluation (VEE) shall be immediately conducted on the stack for at least six minutes in accordance with Method 9 (40 CFR 60, Appendix A). If the VEE opacity average for the stacks exceeds ten percent (10%), the VEE shall continue for one hour from initiation to determine compliance with the opacity limit. Results of observations and/or VEEs shall be recorded in the operation log.

    Records of observations shall include the following:

    a. The name of the observer,
    b. Date and time of the observation,
    c. An indication of presence or absence of visible emissions,
    d. The color of the emissions,
    e. The duration of any visible emission incident, and any corrective action to eliminate visible emissions, and
    f. If a VEE is conducted, records shall be in accordance with Method 9 (40 CFR 60, Appendix A).

    (9 VAC 5-80-110)

41. **Rendering Process Equipment Requirements – URN 7 and 35 – Condenser and Venturi Scrubber Monitoring -** Monitoring devices used to continuously measure liquid flow and differential pressure drop across the scrubber shall be observed by the permittee once each operating shift to ensure good performance of the condenser and scrubber. Log entries shall be made during each operating shift of monitoring device readings, scrubber liquid quality, and scrubber liquid sump level.

    Weekly inspections and washouts shall be performed on the venturi scrubber.

    Monthly inspections for leaks shall be conducted on the ductwork, condenser, and venturi scrubber.

    Semiannual internal inspections of condenser and venturi scrubber shall be conducted for structural integrity.

    (9 VAC 5-80-110, and 9 VAC 5-50-50 H)

42. **Rendering Process Equipment Requirements – URN 7 and 35 - Recordkeeping -** The permittee shall maintain records of all rendering plant operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. Records shall include, but are not limited to:

    a. Daily log records of venturi scrubber differential pressure drop, liquid flow, liquid quality, sump levels, and any associated maintenance or other actions required;

    b. Logs of required weekly, monthly, and semiannual inspections and maintenance actions for emissions units and control devices, including date, inspection and maintenance results, and variance from manufacturers' recommendations, if any;

    c. Annual assessments of maximum rendering equipment capacities, which form the basis, as process rate (P), for limits specified in Conditions 38 and 39; and

    d. All visible emission observations and visible emission evaluations (VEE) conducted.

    These records shall be available on site for inspection by the DEQ, and shall be current for the most recent five years.

    (9 VAC 5-80-110, and 9 VAC 5-50-50)

Facility Wide Conditions

43. **Facility Wide Conditions – Limitations- Volatile Organic Compound Disposal**- At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
    (9 VAC 5-50-20 F and 9 VAC 5-80-110)

44. **Facility Wide Conditions – Limitations – Violation of Ambient Air Quality Standard** - Smithfield Packing Co., Inc.-South Division shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.
    (9 VAC 5-80-110, Condition 27 of 3/18/13 NSR permit, and Condition 22 of 6/12/07 NSR permit)

45. **Facility Wide Conditions**– **Recordkeeping of Malfunctions** – The permittee shall maintain records of the occurrence and duration of any bypass, malfunction, shutdown or failure of the facility or its associated air pollution control equipment that results in excess emissions for more than one hour. Records shall include the date, time, duration, description (emission unit, pollutant affected, cause), corrective action, preventive measures taken and name of person generating the record.
(9 VAC 5-80-110, Condition 25 of 3/18/13 NSR permit, and Condition 20 of 6/12 07 NSR permit)

46. **Facility Wide Conditions**– **Recordkeeping of Maintenance/Operating Procedures-** At all times, including periods of start-up, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment, and process equipment which affect such emissions:

    a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

    b. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

    c. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures, prior to their first operation of such equipment. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

    d. Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.

    (9 VAC 5-80-110, Condition 24 of 3/18/13 NSR permit, and Condition 19 of 6/12/07 NSR permit)

47. **Facility Wide Conditions** – **Testing -** The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.

    (9 VAC 5-50-30, 9 VAC 5-80-110, Condition 13 of 3/18/13 NSR permit, and Condition 13 of 6/12/07 NSR permit)

48. **Facility Wide Conditions** – **Testing -** If testing is conducted in addition to the performance tests or monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.

    (9 VAC 5-80-110 and Conditions 16 and 17 of 3/18/13 NSR permit)

Insignificant Emission Units

49. **Insignificant Emission Units -** The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated C0pacity (9 VAC 5-80-720 C)
5 (South)	Rendered grease tank, 19,183-gal AST	9 VAC 5-80-720 A	NA	NA
6 (South)	Rendered grease tank, 15,600-gal AST	9 VAC 5-80-720 A	NA	NA
8 (South)	Dupps Hair Dryer	9 VAC 5-80-720 C	NA	3.5 MMBTU/hr; 3 tons/hr
9 (South)	Rendered grease tank, 15,600-gal AST	9 VAC 5-80-720 A	NA	NA
10 (South)	Rendered grease tank, 15,600-gal AST	9 VAC 5-80-720 A	NA	NA
11 (PPH)	Julian Food Processing Oven	9 VAC 5-80-720 C	NA	1.87 MMBTU/hr
12 (PPH)	Julian Food Processing Oven	9 VAC 5-80-720 C	NA	1.87MMBTU/hr
13 (PPH)	Julian Food Processing Oven	9 VAC 5-80-720 C	NA	1.87 MMBTU/hr
14 (PPH)	Alkar Food Processing Oven	9 VAC 5-80-720 C	NA	2.75 MMBTU/hr
15 (PPH)	Alkar Food Processing Oven	9 VAC 5-80-720 C	NA	2.75 MMBTU/hr
16 (PPH)	Alkar Food Processing Oven	9 VAC 5-80-720 C	NA	2.75 MMBTU/hr
17 (PPH)	Alkar Food Processing Oven	9 VAC 5-80-720 C	NA	2.75 MMBTU/hr
18 (PPH)	Alkar Food Processing Oven	9 VAC 5-80-720 C	NA	2.75 MMBTU/hr
19 (PPH)	Alkar Food Processing Oven	9 VAC 5-80-720 C	NA	2.75 MMBTU/hr
22 (South)	Residual Oil Storage Tank, 24,812-gal AST	9 VAC 5-80-720 B	VOC	NA
23 (South)	Distillate Oil Tank, 12,000-gal AST	9 VAC 5-80-720 B	VOC	NA
24 (South)	Refrigeration Oil Tank, 1,000-gal AST	9 VAC 5-80-720 B	VOC	NA
25 (PPH)	Hydraulic Oil Storage Tank, AST	9 VAC 5-80-720 C	NA	550 gallons
28 (South)	Kerosene Storage Tank, 500-gal AST	9 VAC 5-80-720 B	VOC	NA
29 (North)	Waste Oil Storage Tank, AST	9 VAC 5-80-720 C	NA	480 gal

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated C0pacity (9 VAC 5-80-720 C)
30 (PPH)	Waste Oil Storage Tank, AST	9 VAC 5-80-720 C	NA	500 gallons
31 (South)	Rendered grease tank, 65,000-gal AST	9 VAC 5-80-720 A	NA	NA
32 (South)	Rendered grease tank, 65,000-gal AST	9 VAC 5-80-720 A	NA	NA
36 (South)	ANCO 1212 Hair Hydrolyser, 1989, 6,000 lbs/hr input	9 VAC 5-80-720 B	PM	NA
37F (South)	Truck Road Dust	9 VAC 5-80-720 B	PM	NA
38F (South)	Wastewater Treatment Facilities,1.5 mm gal/day	9 VAC 5-80-720 B	VOC	NA
39F (PPH)	Ammonia Refrigeration	9 VAC 5-80-720 B	NH3	NA
42 (South)	Rendered grease tank, 19,183-gal AST	9 VAC 5-80-720 A	NA	NA
43 (South)	Diesel tank for fire suppression system, 400 gal	9 VAC 5-80-720 A	NA	NA
44 (South)	Diesel tank for fire suppression, 400 gal	9 VAC 5-80-720 A	NA	NA
55 (North)	Continental natural gas-fired boiler, manufactured and installed in 1962	9 VAC 5-80-720C	NA	4.3 million Btu/hr
57 (North)	Julian Food Processing Oven	9 VAC 5-80-720C	NA	2.9 million Btu/hr
58 (North)	Julian Food Processing Oven	9 VAC 5-80-720C	NA	2.9 million Btu/hr
59 (North)	Alkar Food Processing Oven	9 VAC 5-80-720C	NA	1.7 million Btu/hr
60 (North)	Alkar Food Processing Oven	9 VAC 5-80-720C	NA	1.7 million Btu/hr
61 (North)	Alkar Food Processing Oven	9 VAC 5-80-720C	NA	1.7 million Btu/hr
62 (North)	Alkar Food Processing Oven	9 VAC 5-80-720C	NA	1.7 million Btu/hr
63 (North)	Julian Food Processing Oven	9 VAC 5-80-720C	NA	1.5 million Btu/hr
64 (North)	Julian Food Processing Oven	9 VAC 5-80-720C	NA	1.5 million Btu/hr

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated C0pacity (9 VAC 5-80-720 C)
65 (North)	Julian Food Processing Oven	9 VAC 5-80-720C	NA	1.5 million Btu/hr
66 (North)	Julian Food Processing Oven	9 VAC 5-80-720C	NA	1.5 million Btu/hr
67 (North)	Julian Food Processing Oven	9 VAC 5-80-720C	NA	1.5 million Btu/hr
68 (North)	Julian Food Processing Oven	9 VAC 5-80-720C	NA	1.5 million Btu/hr
69 (North)	Julian Food Processing Oven	9 VAC 5-80-720C	NA	1.5 million Btu/hr
70 (North)	Julian Food Processing Oven	9 VAC 5-80-720C	NA	1.5 million Btu/hr
71 (North)	Julian Food Processing Oven	9 VAC 5-80-720C	NA	1.5 million Btu/hr
78 (North)	Alkar Food Processing Oven	9 VAC 5-80-720C	NA	1.7 million Btu/hr
79 (North)	Alkar Food Processing Oven	9 VAC 5-80-720C	NA	1.7 million Btu/hr
81 (North)	Residual Oil Storage Tank, 27,150-gal AST	9 VAC 5-80-720B	VOC	NA
82 (North)	Diesel Fuel Dispensing Tank, 550-gal AST	9 VAC 5-80-720A	NA	NA
83 (North)	Hydraulic Oil Storage Tank, AST	9 VAC 5-80-720C	NA	500 gallons
84 (North)	Refrigeration Oil Tank, AST	9 VAC 5-80-720C	NA	500 gallons
85 (North)	Meat Smokehouse (Plant 3B)	9 VAC 5-80-720B	PM, VOC	NA
88F (North)	Wastewater Treatment, 2 MM gal/day	9 VAC 5-80-720B	VOC	NA
90 (North)	Auxiliary head singer, 2012, 6 million Btu/hr	9 VAC 5-80-720B	PM	NA
91 (North)	Stork Nijhuis Hog Singer, 8.1 million Btu/hr	9 VAC 5-80-720B	PM	NA
92 (North)	Stork Nijhuis Hog Singer, 8.1 million Btu/hr	9 VAC 5-80-720B	PM	NA
93 (North)	Bacon Grease Tank, 9,000-gal AST	9 VAC 5-80-720 A	NA	NA
94 (North)	Bacon Grease Tank, 9,000-gal AST	9 VAC 5-80-720 A	NA	NA
95 (North)	Gasoline Tank, 1,000-gal AST	9 VAC 5-80-720 B	VOC	NA
96 (North)	Used Oil Tank, 1,000-gal AST	9 VAC 5-80-720 B	VOC	NA
97 (North)	Waste Oil from Remediation Project, AST	9 VAC 5-80-720 C	NA	250 gallons

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated C0pacity (9 VAC 5-80-720 C)
CB1 (North)	Clean Burn Used Oil Heating Unit, 0.14 mmBTU/hr	9 VAC 5-80-720 B	SO_2	NA
CB2 (North)	Clean Burn Used Oil Heating Unit, 0.14 mmBTU/hr	9 VAC 5-80-720 B	SO_2	NA
TS-1 & TS-2	Two (2) Truck Shop used oil heaters, Model CB-2500 Clean Burn Energy Systems, 250,000 Btu/hr each	9 VAC 5-80-720 B	SO_2	
TS-3	Truck Shop hot water heater, 1999, natural gas, Niagara Model 10,000	9 VAC 5-80-720 C	NA	880,000 BTU/hr
TS-4 & TS-5	Two (2) Truck Shop USTs for diesel, 25,000 gal each	9 VAC 5-80-720 A	NA	NA
TS-6 to 9	Four (4) Truck Shop ASTs, 1,500 gal each, two for new motor oil, and two for used oil	9 VAC 5-80-720 B	VOC	
TS-10	Truck Shop AST for used oil	9 VAC 5-80-720 C	NA	275 gal
TS-11	Truck Shop AST for used antifreeze, 250 gal	9 VAC 5-80-720 B	VOC	
TS-12	Truck Shop AST for used oil	9 VAC 5-80-720 C	NA	500 gal
TS-13 to 28	Truck Shop sixteen (16) natural gas heaters, 1999	9 VAC 5-80-720 C	NA	52,000 BTU/hr each
R-1 (R&D)	Natural Gas Rental Boiler	9 VAC 5-80-720C	NA	8.37 MMBTU/hr
105 (R&D)	Alkar Food Processing Oven	9 VAC 5-80-720C	NA	0.55 MMBTU/hr
106 (R&D)	Alkar Food Processing Oven	9 VAC 5-80-720C	NA	0.55 MMBTU/hr
107 (R&D)	Kartridge Pak Smoke Generator, 3.5 kW	9 VAC 5-80-720B	VOC, PM	NA
OWS 20 (North)	Oil-Water Separator for diesel fuel, maximum design 1,200 gal/hr	9 VAC 5-80-720B	VOC	NA

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

Permit Shield & Inapplicable Requirements

50. **Permit Shield & Inapplicable Requirements -** Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR 60 Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	This subpart is not applicable to boilers URN 51-55, and 86. Those units were constructed prior to the applicability date of the NSPS (6/9/89), and the addition of economizers to URN 52-54 in 2007 does not meet the definition of NSPS modification. URN 55, 86, and R-1 are smaller than 10 MMBTU/hr each.
9 VAC 5-40-880 et seq., Part II, Article 8	Emissions Standards for Fuel Burning Equipment	Boilers URN 52-54 are not subject to the PM and SO2 emission standards of Article 8. They were installed in 1978, and commenced operation before October 5, 1979, specified in 9 VAC 5-40-890 C as the date prior to which a unit's capacity shall be considered part of the fuel burning equipment (FBE) capacity of the facility, however, they were modified in 2007 and subject to the more stringent requirements of NSR permits dated 6/12/07.
9 VAC 5-40-880 et seq., Part II, Article 8	Emissions Standards for Fuel Burning Equipment	Smokehouse and smoke generators using cord wood, wood chips and sawdust, food processing ovens, and hog singers do not meet the definition of fuel burning equipment in Article 8.
40 CFR 60, Subpart Kb, as amended.	NSPS for Volatile Organic Liquid Storage Vessels Constructed, Modified, or Reconstructed After 23 July 1984 with Storage Capacity Greater Than 75 Cubic Meters (19,817 gallons)	Tanks 23 and 82- 84 have capacity of 12,000 gallons, less than the threshold for Kb applicability (19,817 gallons). Tanks 22 and 81 have capacity of 24,812 gallons and 27,150 gallons, respectively, but store residual oil that has maximum true vapor pressure less than 2.16 psi.
40 CFR 60 Subpart IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	The facility does not have any internal combustion engines that are subject to the rule.

Citation	Title of Citation	Description of Applicability
40 CFR 63 Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	The facility does not have any internal combustion engines that are subject to the rule.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.

(9 VAC 5-80-140)

General Conditions

51. **General Conditions - Federal Enforceability -**All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.

    (9 VAC 5-80-110 N)

52. **General Conditions - Permit Expiration-** This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

    (9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

53. **General Conditions - Permit Expiration-**The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

    (9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

54. **General Conditions - Permit Expiration-**If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

    (9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

55. **General Conditions - Permit Expiration-**No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.
    (9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

56. **General Conditions - Permit Expiration-**If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

    (9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

57. **General Conditions - Permit Expiration-**The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

    (9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

58. **General Conditions -Recordkeeping and Reporting -** All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

    a. The date, place as defined in the permit, and time of sampling or measurements.

    b. The date(s) analyses were performed.

    c. The company or entity that performed the analyses.

    d. The analytical techniques or methods used.

    e. The results of such analyses.

    f. The operating conditions existing at the time of sampling or measurement.

    (9 VAC 5-80-110 F)

59. **General Conditions -Recordkeeping and Reporting -** Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

    (9 VAC 5-80-110 F)

60. **General Conditions -Recordkeeping and Reporting -** The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

    a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

    b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:

(1) Exceedance of emissions limitations or operational restrictions;

(2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,

(3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

61. **General Conditions - Annual Compliance Certification -** Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

a. The time period included in the certification. The time period to be addressed is January 1 to December 31.

b. The identification of each term or condition of the permit that is the basis of the certification.

c. The compliance status.

d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

e. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

f. Such other facts as the permit may require to determine the compliance status of the source.

g. One copy of the annual compliance certification shall be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

R3_APD_Permits@epa.gov

(9 VAC 5-80-110 K.5)

62. **General Conditions - Permit Deviation Reporting -** The permittee shall notify the Director, Tidewater Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to Condition 73 of this permit.

    (9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

63. **General Conditions - Failure/Malfunction Reporting -** In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Tidewater Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Tidewater Regional Office.

    (9 VAC 5-20-180 C)

64. **General Conditions - Severability -** The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.

    (9 VAC 5-80-110 G.1)

65. **General Conditions - Duty to Comply -** The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.

    (9 VAC 5-80-110 G.2)

66. **General Conditions - Need to Halt or Reduce Activity not a Defense -**It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

    (9 VAC 5-80-110 G.3)

67. **General Conditions - Permit Modification -**A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1605, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.

    (9 VAC 5-80-190 and 9 VAC 5-80-260)

68. **General Conditions - Property Rights -** The permit does not convey any property rights of any sort, or any exclusive privilege.

    (9 VAC 5-80-110 G.5)

69. **General Conditions - Duty to Submit Information -** The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.

    (9 VAC 5-80-110 G.6)

70. **General Conditions - Duty to Submit Information -** Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.

    (9 VAC 5-80-110 K.1)

71. **General Conditions - Duty to Pay Permit Fees -** The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.

    (9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

72. **General Conditions - Fugitive Dust Emission Standards -** During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

    a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;

d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

73. **General Conditions - Startup, Shutdown, and Malfunction -** At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-50-20 E and 9 VAC 5-40-20 E)

74. **General Conditions - Alternative Operating Scenarios -** Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.

(9 VAC 5-80-110 J)

75. **General Conditions - Inspection and Entry Requirements -** The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

d. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

76. **General Conditions - Reopening For Cause -** The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F. The conditions for reopening a permit are as follows:

    a. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

    b. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

    c. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

    (9 VAC 5-80-110 L)

77. **General Conditions - Permit Availability -** Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.

    (9 VAC 5-80-150 E)

78. **General Conditions - Transfer of Permits -** No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.

    (9 VAC 5-80-160)

79. **General Conditions - Transfer of Permits -** In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.

    (9 VAC 5-80-160)

80. **General Conditions - Transfer of Permits -** In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.

    (9 VAC 5-80-160)

81. **General Conditions - Malfunction as an Affirmative Defense -** A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of Condition 83 are met.
(9 VAC 5-80-250)

82. **General Conditions - Malfunction as an Affirmative Defense -** The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

    a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

    b. The permitted facility was at the time being properly operated.

    c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

    d. The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

    (9 VAC 5-80-250)

83. **General Conditions - Malfunction as an Affirmative Defense -** In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.

    (9 VAC 5-80-250)

84. **General Conditions - Malfunction as an Affirmative Defense -** The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

    (9 VAC 5-80-250)

85. **General Conditions - Permit Revocation or Termination for Cause -** A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.

    (9 VAC 5-80-190 C and 9 VAC 5-80-260)

86. **General Conditions - Duty to Supplement or Correct Application -** Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.

    (9 VAC 5-80-80 E)

87. **General Conditions - Stratospheric Ozone Protection -** If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.

    (40 CFR Part 82, Subparts A-F)

88. **General Conditions – Accidental Release Prevention -** If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
    (40 CFR Part 68)

89. **General Conditions - Emissions Trading -** Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

    a. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

    b. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

    c. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

    (9 VAC 5-80-110 I)

State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

90. **State-Only Enforceable Requirements- Limitations- Standards for Odor-** No owner or other person shall cause or permit to be discharged into the atmosphere from any affected facility any emissions which cause an odor objectionable to individuals of ordinary sensibility.
(9 VAC 5-40-140, 9 VAC 5-80-110 N and 9 VAC 5-80-300)

91. **State-Only Enforceable Requirements- Limitations- Handling of Rendering Wastes-** All material received at the rendering plant shall be processed or hauled away before it has decomposed to the extent that it causes objectionable odors.
(9 VAC 5-80-110 N and 9 VAC 5-80-300)

92. **State-Only Enforceable Requirements- Limitations- Transit Area Surfaces-** Truck transit areas around the rendering plant shall be paved with a non-porous material to avoid malodorous contamination, and shall be kept in clean condition.
(9 VAC 5-80-110 N and 9 VAC 5-80-300)

93. **State-Only Enforceable Requirements- Limitations- Ponded Waters -** There shall be no ponded waters outside the rendering plant area.
(9 VAC 5-80-110 N and 9 VAC 5-80-300)

94. **State-Only Enforceable Requirements- Limitations- Finished Product Spills -** All spilled finished product shall be cleaned up promptly.
(9 VAC 5-80-110 N and 9 VAC 5-80-300)

95. **State-Only Enforceable Requirements- Recordkeeping for Odor Issues-** The permittee shall maintain the following records to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

    a. Annual summary of techniques employed to minimize odor from the plant; and

    b. Log of all complaints of odor received by the facility, and written results of the responses made to the complaints.

    (9 VAC 5-80-110 N and 9 VAC 5-80-300)