



*Commonwealth of Virginia*

***VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY***

**VALLEY REGIONAL OFFICE**

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Matthew J. Strickler  
Secretary of Natural and Historic Resources

David K. Paylor  
Director  
(804) 698-4000

Amy Thatcher Owens  
Regional Director

September 2, 2021

Mr. Lee Johnson  
Plant Manager  
Crown Cork & Seal USA, Inc.  
1461 Martinsburg Pike  
Winchester, VA 22603  
Email: [lee.johnson@crowncork.com](mailto:lee.johnson@crowncork.com)

Location: Frederick County  
Registration No.: 80237  
Plant ID No.: 51-069-0002

Dear Mr. Johnson:

Attached is an initial Title V permit to operate your facility pursuant to 9 VAC 5 Chapter 80 of the Virginia Regulations for the Control and Abatement of Air Pollution. The attached permit will be in effect beginning October 1, 2021.

In the course of evaluating the application and arriving at a final decision to issue this permit, the Department of Environmental Quality (DEQ) deemed the application complete on April 13, 2021 and solicited written public comments by placing a newspaper advertisement in the *Winchester Star* on June 8, 2021. The thirty-day required comment period, provided for in 9VAC5-80-270 expired on July 8, 2021.

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

This permit approval does not relieve Crown Cork & Seal USA, Inc. 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:

Mr. David K. Paylor, Director  
Department of Environmental Quality  
P. O. Box 1105  
Richmond, VA 23218

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 Part Two A 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 Dawn Jeffries at [dawn.jeffries@deq.virginia.gov](mailto:dawn.jeffries@deq.virginia.gov) or (540) 574-7898.

Sincerely,

A handwritten signature in cursive script, reading "Janardan R. Pandey", written in dark ink on a light background.

Janardan R. Pandey, P.E.  
Air Permit Manager

Attachment: Permit

cc: Susan Tripp, OAPP (via email)  
Tom He, U.S. EPA, Region III (via email)  
David Taylor, Air Compliance (via email)  
Tristan Lockard, Crown Cork & Seal USA, Inc. (via email)



# *COMMONWEALTH of VIRGINIA*

## *DEPARTMENT OF ENVIRONMENTAL QUALITY*

### **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 9VAC5-80-50 through 9VAC5-80-300 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: Crown Cork & Seal USA, Inc.  
Facility Name: Crown Cork & Seal - Winchester  
Facility Location: 1461 Martinsburg Pike  
Winchester, Virginia 22603-4611  
Registration Number: 80237  
Permit Number: VRO - 80237

This permit includes the following programs:  
Federally Enforceable Requirements - Clean Air Act

October 1, 2021  
Effective Date

September 30, 2026  
Expiration Date

A handwritten signature in blue ink, appearing to read "BK Jule", written over a horizontal line.

Deputy Regional Director

September 2, 2021  
Signature Date

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## **Facility Information**

### **Permittee**

Crown Cork & Seal USA, Inc.  
770 Township Line Road  
Yardley, PA 19067

### **Responsible Official**

Lee Johnson  
Plant Manager

### **Facility**

Crown Cork & Seal USA, Inc.  
1461 Martinsburg Pike  
Winchester, Virginia, 22603-4611

### **Contact Person**

Lee Johnson  
Plant Manager  
540.662.2591

**County-Plant Identification Number: 51-069-0002**

### **Facility Description: NAICS 332431 – Metal Can Manufacturing**

Crown Cork and Seal Company USA, Inc., manufactures 2-piece beverage ends at its facility located at 1461 Martinsburg Pike in Winchester, Virginia in Frederick County. There are four can end lines in the plant. Pre-coated coils of aluminum stock are fed into a shell press on each line. The shell press punches out aluminum can ends which are then coated with end seal compound. The compound assures a hermetic seal when the can end is joined to the can. After coating the ends go to conversion presses which produce rivets, a score line, and logo embossing. The conversion press also forms the tab. Volatile Organic Compound (VOC) emissions result from evaporation of solvent in the end seal compound and tab lubricant, and evaporation of organic cleaning solvents.

Crown currently operates under a minor new source review permit last modified on June 17, 2020. With the 2020 modification, the facility is a Title V major source of volatile organic compounds (VOCs). This source is located in an attainment area for all pollutants, and is a PSD minor source. The facility is subject to the following subparts in 40 CFR 60 and 63:

- 40 CFR 60 Subpart IIII (*Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*)
- 40 CFR 63 Subpart ZZZZ (*National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*)

## Emission Units

Process Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description*	PCD ID	Pollutant Controlled	Applicable Permit Date
<b>Process Equipment – Can End Lines</b>							
01	1-11	Optime - Line 1 Flow Coating (1995)	450,000 ends/hr	---	---	---	6/17/20
02	1-11	Optime - Line 2 Flow Coating (1995)	450,000 ends/hr	---	---	---	6/17/20
03	1-11	Optime - Line 3 Flow Coating (1994)	487,500 ends/hr	---	---	---	6/17/20
04	1-11	Optime - Line 4 Flow Coating (2020)	550,000 ends/hr	---	---	---	6/17/20
<b>Process Equipment – Cold Cleaning Machines</b>							
12	1-11	150 Parts Washer	110 gallons	---	---	---	6/17/20
13	1-11	Machine Shop Parts Washer	7 gallons	---	---	---	6/17/20
26	1-11	Millwright Parts Washer	20 gallons	---	---	---	6/17/20
27	1-11	Compound & Drum Room Parts Washer	7 gallons	---	---	---	6/17/20
<b>Internal Combustion Engine</b>							
11	--	Fire Pump Engine – John Deere 4045HF280 (2019)	86 HP	---	---	---	---

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

## Process Equipment Requirements – Can End Lines (Units 1 – 4)

1. **Limitations** - Volatile organic compound (VOC) emissions from the application of the end seal compound for the can end lines shall not exceed 0.006 pounds per gallon of coating, excluding water, as applied.  
(9VAC5-80-110 and Condition 1 of 6/17/20 Permit)
2. **Limitations** - VOC emissions from the application of the tab lube for the can end lines shall not exceed 5.715 pounds per gallon of coating, excluding water, as applied.  
(9VAC5-80-110 and Condition 2 of 6/17/20 Permit)
3. **Limitations** - VOC emissions from the use of each cleaning solvent shall not exceed 6.8 pounds per gallon of cleaning solvent, as applied.  
(9VAC5-80-110 and Condition 3 of 6/17/20 Permit)
4. **Limitations** - The total throughput of VOC to the can end lines from the tab lube and end seal compounds shall not exceed 97.5 tons 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.  
(9VAC5-80-110 and Condition 6 of 6/17/20 Permit)
5. **Limitations** - The total throughput of cleaning solvents used on the can end lines shall not exceed 9635 gallons 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.  
(9VAC5-80-110 and Condition 7 of 6/17/20 Permit)
6. **Limitations** - Total VOC emissions from the application of the tab lube and end seal compounds on the can end lines shall not exceed 97.5 tons/yr, calculated monthly as the sum of each consecutive 12-month period. These emissions are derived from the estimated overall emission contribution from the operating limit. Exceedance of the operating limit may be considered credible evidence of the exceedance of the emission limit. Compliance with this emission limit may be determined as stated in Conditions 1, 2, and 4.  
(9VAC5-80-110 and Condition 11 of 6/17/20 Permit)
7. **Limitations** - Total VOC emissions from the use of cleaning solvents on the can end lines shall not exceed 32.8 tons/yr, calculated monthly as the sum of each consecutive 12-month period. These emissions are derived from the estimated overall emission contribution from the operating limit. Exceedance of the operating limit may be considered credible evidence of the exceedance of the emission limit. Compliance with this emission limit may be determined as stated in Conditions 3 and 5.  
(9VAC5-80-110 and Condition 12 of 6/17/20 Permit)

8. **Monitoring and Recordkeeping** - The permittee shall maintain records of all emissions data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the DEQ. These records shall include, but are not limited to:
- a. Monthly and annual throughput of VOC from each end seal compound, tab lube, and cleaning solvent used, in tons, on each can end line. Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.
  - b. Monthly and annual throughput of each end seal compound, tab lube, and cleaning solvent used, in gallons, on each can end line. Annual throughputs shall be calculated monthly as the sum of each consecutive 12-month period.
  - c. Monthly and annual emissions of VOC from each end seal compound, tab lube and cleaning solvent used, in tons, on each can end line. Annual emissions shall be calculated monthly as the sum of each consecutive 12-month period.
  - d. EPA Method 24 results or VOC data sheet per 40 CFR Part 63, Subpart II, Appendix A, showing the VOC content in pounds per gallon for each end seal compound used.
  - e. EPA Method 24 results or VOC data sheet per 40 CFR Part 63, Subpart II, Appendix A, showing the VOC content in pounds per gallon for each tab lube used.
  - f. Safety Data Sheets (SDS) or other vendor information as approved by DEQ showing the VOC content in pounds per gallon, water content and solids content for each end seal compound, tab lube, and cleaning solvent used on the can end lines.

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

(9VAC5-80-110, 9VAC5-50-50, and Condition 14 of 6/17/20 Permit)

9. **Testing** - If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.  
(9VAC5-80-110)

### **Process Equipment Requirements – Cold Cleaning Machines (Units 12, 13, 26 & 27)**

10. **Limitations** – Each cold cleaning machine shall be equipped with a control method that will remove, destroy or prevent the discharge into the atmosphere of at least 85% by weight of volatile organic compound emissions. Achievement of this emission standard shall be demonstrated by using control methods in Condition 11.  
(9VAC5-80-110 and Condition 8 of 6/17/20 Permit)



11. **Limitations** – Each cold cleaning machine shall be equipped with the following control methods:

- a. Covers or enclosed remote reservoirs shall be provided. Covers shall be designed so that they can be easily operated with one hand. Enclosed remote reservoirs should be designed such that they provide reduction effectiveness equivalent to that of a cover.
- b. External or internal drainage facilities should be provided to collect and return the solvent to a closed container, or a solvent cleaning machine. If solvent volatility is greater than 0.6 pounds per square inch (psi) measured at 100°F, then the drainage facilities should be internal, so that parts are enclosed under the cover while draining. The drainage facilities may be external for applications where an internal type cannot fit into the cleaning system.
- c. A permanent label, summarizing the operating procedures in Condition 12, should be placed in a conspicuous location on or near the parts washer.
- d. If used, the solvent spray should be a solid, fluid stream (not a fine, atomized or shower type spray) and at a pressure which does not cause excessive splashing.
- e. If a solvent volatility is greater than 0.6 pounds psi measured at 100°F, or if solvent is heated above 120°F, and the open area is greater than 20 ft<sup>2</sup>, then the degreaser should be equipped with one of the following vapor control methods:
  - i. Freeboard ratio that is equal to or greater than 0.7;
  - ii. Water cover (solvent should be insoluble in and heavier than water);
  - iii. Refrigerated chiller (a secondary set of condensing coils operating with a coolant of less than 40°F);
  - iv. Carbon adsorption system with ventilation of 50 cfm/ft<sup>2</sup> or greater of air/vapor area (when down-time covers are open), and exhausting less than 25 ppm of solvent by volume averaged over a complete adsorption cycle;
  - v. Any method of equal or greater control efficiency to the methods in Condition 11.e.i through 11.e.iv, provided such method is approved by the DEQ

(9VAC5-80-110 and Condition 9 of 6/17/20 Permit)

12. **Limitations** – The following procedures shall be followed when operating each cold cleaning machine:

- a. Waste solvent should not be disposed of or transferred to another party, such that greater than 20% of the waste (by weight) can evaporate into the atmosphere. Store waste solvent only in closed containers.

- b. The degreaser cover should be closed whenever not handling parts in the cleaner. Cleaned parts should drain for at least 15 seconds or until dripping ceases.
- c. Disposal of waste solvent from metal cleaning operations should be by one of the following methods:
  - i. Reclamation (either by outside services or in-house).
  - ii. Incineration.

(9VAC5-80-110 and Condition 10 of 6/17/20 Permit)

13. **Limitations** - Visible emissions from each cold cleaning machine shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity as determined by 40 CFR 60, Appendix A, Method 9.

(9VAC5-80-110 and Condition 13 of 6/17/20 Permit)

14. **Monitoring and Recordkeeping** - The permittee shall maintain records of all emissions data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the DEQ. These records shall include, but are not limited to:

- a. Annual quantity of waste solvent recovered from the cold cleaning machines (in gallons) calculated monthly as the sum of each consecutive 12-month period.
- b. Records of disposal methods used for waste solvent from solvent metal cleaning operations.

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

(9VAC5-80-110, 9VAC5-50-50, and Condition 14 of 6/17/20 Permit)

15. **Testing** - If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.

(9VAC5-80-110)

## **Fuel Burning Equipment Requirements – Emergency Generator (Unit 11)**

16. **Limitations** – The stationary reciprocating internal combustion engine (RICE) must meet the requirements of 40 CFR 63 Subpart ZZZZ by meeting the requirements of 40 CFR 60, Subpart IIII. Except where this permit is more restrictive, the stationary RICE shall be operated in compliance with the requirements of 40 CFR 60, Subpart IIII.

(9VAC5-80-110, 40 CFR 63.6590(c), and 40 CFR 60 Subpart IIII).

17. **Limitations** – In order for the engine to be considered an emergency stationary RICE, any operation other than: emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations as described in this Condition, is prohibited. If you do not operate the engine according to the requirements in this Condition, the engine will not be considered an emergency engine under 40 CFR 60 Subpart IIII or 40 CFR 63 Subpart ZZZZ and must meet all requirements for non-emergency engines:
- a. You may operate your emergency stationary RICE for a maximum of 100 hours per calendar year for the following non-emergency situations; Any operation for non-emergency situations as allowed by (b) of this Condition counts as part of the 100 hours per calendar year:
    - i. Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine.
    - ii. The owner or operator may petition DEQ for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.
  - b. Emergency stationary RICE may be operated for up to 50 hours per calendar year for non-emergency situations to supply power as part of a financial arrangement with another entity if all of the following conditions are met:
    - i. The engine is dispatched by the local balancing authority or local transmission and distribution system operator.
    - ii. The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.
    - iii. The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.
    - iv. The power is provided only to the facility itself or to support the local transmission and distribution system.
    - v. The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The

local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (a) of this Condition. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(9VAC5-80-110 and 40 CFR 60.4211 (f))

18. **Limitations** – The approved fuel for the stationary RICE is diesel fuel with a sulfur content of no greater than 15 parts per million (0.0015%).  
(9VAC5-80-110, and 40 CFR 60.4207)

19. **Limitations** – Emissions from the operation of the stationary RICE shall not exceed the limits specified below:

Non-Methane Hydrocarbons (NMHC) + NO <sub>x</sub>	4.7 g/kW-hr
CO	5.0 g/kW-hr
PM	0.40 g/kW-hr

The engines must be installed and configured according to the manufacturer's emission-related specifications. Compliance with these emission limits may be determined by keeping records of engine manufacture data indicating compliance with these emission limits.

(9VAC5-80-110 and 40 CFR 60.4205(c))

20. **Limitations** – For the stationary RICE, the permittee must:

- Operate and maintain the stationary RICE and control device according to the manufacturer's emission-related written instructions (or procedures developed by the permittee that are approved by the manufacturer) over the entire life of the engine;
- Change only those emission-related settings that are permitted by the manufacturer; and
- Meet the requirements of 40 CFR parts 89, 94, and/or 1068, as applicable.

(9VAC5-80-110, 40 CFR 60.4206, and 40 CFR 60.4211(a))

21. **Monitoring** - The permittee shall install non-resettable hour meter prior to the startup of the stationary RICE. The hour meter shall be provided with adequate access for inspection.  
(9VAC5-80-110 and 40 CFR 60.4209)

22. **Monitoring** – If the permittee does not install, configure, operate, and maintain the stationary RICE and control device, if applicable, according to the manufacturer's emission-related written instructions, or the permittee changes emission-related settings in a way that is not permitted by the manufacturer, the permittee must demonstrate compliance as required in this Condition. The permittee must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, if you do not install and configure the engine and control device according to the manufacturer's emission-related written instructions, or you change the emission-related settings in a way that is not permitted by the manufacturer, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within one year of such action.  
(9VAC5-80-110 and 40 CFR 60.4211 (g))
23. **Monitoring** - The permittee shall obtain a certification from the fuel supplier with each shipment of diesel fuel for the stationary RICE to demonstrate compliance with the limitation in Condition 18. Each fuel supplier certification shall include the following:
- a. The name of the fuel supplier;
  - b. The date on which the diesel fuel was received;
  - c. The sulfur content of the diesel fuel or diesel/biodiesel fuel blend; and
  - d. A statement that the diesel fuel or diesel/biodiesel fuel blend complies with the ASTM specifications D975 (including ASTM D 5453 and ASTM 7093) for diesel fuel or diesel/biodiesel fuel blends.

Fuel sampling and analysis, independent of the basis used for certification, may be periodically required or conducted by DEQ and may be used to determine compliance with the fuel specifications stipulated in Condition 18.  
(9VAC5-80-110)

24. **Recordkeeping** – The permittee shall maintain records of all emissions data and operating parameters necessary to demonstrate compliance with this permit for the stationary RICE. The content and format of such records shall be arranged with the DEQ. These records shall include, but are not limited to:
- a. Records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in Condition 17.b.i through 17.b.v, the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

- b. All fuel supplier certifications for in accordance with Condition 23.
- c. Engine manufacture data indicating compliance with emission limits in Condition 19.
- d. Maintenance conducted on the stationary RICE.

The records must be in a form suitable and readily available for expeditious review. These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9VAC5-80-110 and 40 CFR 60.4214)

## Facility Wide Conditions

- 25. **Limitations** – 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 practices for minimizing emissions.  
(9VAC5-80-110 and Condition 4 of 6/17/20 Permit)
- 26. **Limitations** - The permittee shall take reasonable precautions to minimize volatile organic compound emissions from cleaning or purging operations. Reasonable precautions may include the following:
  - a. The use of capture or control devices or both;
  - b. The use of detergents, high pressure water, or other non-volatile cleaning methods;
  - c. The minimization of the quantity of volatile organic compounds used to clean lines of equipment; and
  - d. The adjustment of production schedules to minimize coating changes thereby reducing the need for frequent cleaning or purging of a system.  
(9VAC5-80-110 and Condition 5 of 6/17/20 Permit)
- 27. **Recordkeeping** - The permittee shall maintain records of all emissions data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the DEQ. These records shall include, but are not limited to:
  - a. Written operating procedures, scheduled and unscheduled maintenance and training records.
  - b. Records of malfunctions.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five years.  
(9VAC5-80-110, 9VAC5-50-50, and Condition 14 of 6/17/20 Permit)

## Insignificant Emission Units

28. Insignificant Emission Units - The following emission units at the facility are identified in the application as insignificant emission units under 9VAC5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9VAC5-80-720B)	Rated Capacity (9VAC5-80-720C)
6	Natural gas-fired space heaters (3)	9VAC5-80-720C	--	1.25 MMBTU/hr
7	Natural gas-fired space heaters (4)	9VAC5-80-720C	--	2.00 MMBTU/hr
8	Natural gas-fired space heater (1)	9VAC5-80-720C	--	2.5 MMBTU/hr
9	Natural gas-fired space heaters (2)	9VAC5-80-720C	--	0.2 MMBTU/hr
10	Natural gas-fired space heater (1)	9VAC5-80-720C	--	0.5 MMBTU/hr
15	End sealing compound storage tanks (2)	9VAC5-80-720B	VOC	6,000 gallons each
16	Waste cleaning solvent tank	9VAC5-80-720B	VOC	2,000 gallons
17	Tab lube storage tank	9VAC5-80-720B	VOC	6,000 gallons
18	Diesel storage tank	9VAC5-80-720B	VOC	800 gallons
21	Diesel storage tank	9VAC5-80-720B	VOC	10,000 gallons
23	Storage Tanks (2)	9VAC5-80-720B	VOC	8,000 gallons
24	Coating Storage Tank	9VAC5-80-720B	VOC	10,000 gallons
25	Propane Storage Tanks (3)	9VAC5-80-720B	VOC	30,000 gallons (2) 1,000 gallons (1)

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 9VAC5-80-110. (9VAC5-80-110)

## Permit Shield & Inapplicable Requirements

29. 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:

<b>Citation</b>	<b>Title of Citation</b>	<b>Description of Applicability</b>
40 CFR Part 60 Subpart WW	New Source Performance Standards for Beverage Can Manufacturing	The standards do not apply to can end manufacturing
40 CFR Part 63 Subpart KKKK	National Emission Standards for Hazardous Air Pollutants	The standards apply to major sources of HAPs; this facility is an area source of HAPs.

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.

(9VAC5-80-110 and 9VAC5-80-140)

## **General Conditions**

30. **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.

(9VAC5-80-110 N)

## **31. Permit Expiration**

- a. 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 9VAC5-80-80, the right of the facility to operate shall be terminated upon permit expiration.
- b. 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.
- c. If an applicant submits a timely and complete application for an initial permit or renewal under 9VAC5-80-80 F, 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 9VAC5 Chapter 80, until the Board takes final action on the application under 9VAC5-80-150.
- d. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9VAC5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9VAC5 Chapter 80.
- e. If an applicant submits a timely and complete application under section 9VAC5-80-80 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 9VAC5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

- f. The protection under subsections F 1 and F 5 (ii) of section 9VAC5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9VAC5-80-80 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.

(9VAC5-80-80 B, C and F, 9VAC5-80-110 D and 9VAC5-80-170 B)

32. **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; and
- f. The operating conditions existing at the time of sampling or measurement.

(9VAC5-80-110 F)

33. **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.

(9VAC5-80-110 F)

34. **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 9VAC5-80-80 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; and

- b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:
  - i. Exceedances of emissions limitations or operational restrictions;
  - ii. Excursions from control device operating parameter requirements, as documented by continuous emission monitoring or periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,
  - iii. 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 semiannual reporting period."

(9VAC5-80-110 F)

35. **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 9VAC5-80-80 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 9VAC5-80-110, 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; and
- 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](mailto:R3_APD_Permits@epa.gov)

(9VAC5-80-110 K.5)

- 36. **Permit Deviation Reporting** - The permittee shall notify the DEQ 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 semiannual compliance monitoring report pursuant to Condition 34 of this permit.  
(9VAC5-80-110 F.2 and 9VAC5-80-250)
- 37. **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 no later than four daytime business hours after the malfunction is discovered, notify the DEQ such failure or malfunction and within 14 days provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the DEQ.  
(9VAC5-80-110 and 9VAC5-20-180 C)
- 38. **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.  
(9VAC5-80-110 G.1)
- 39. **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.  
(9VAC5-80-110 G.2)
- 40. **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.

(9VAC5-80-110 G.3)

41. **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 9VAC5-80-50, 9VAC5-80-1100, 9VAC5-80-1605, or 9VAC5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.  
(9VAC80-110, 9VAC5-80-190, and 9VAC5-80-260)
42. **Property Rights** - The permit does not convey any property rights of any sort, or any exclusive privilege.  
(9VAC5-80-110 G.5)
43. **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.  
(9VAC5-80-110 G.6)
44. **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 9VAC5-80-80 G.  
(9VAC5-80-110 K.1)
45. **Duty to Pay Permit Fees** - The owner of any source for which a permit was issued under 9VAC5-80-50 through 9VAC5-80-300 shall pay annual emissions fees, as applicable, consistent with the requirements of 9VAC5-80-310 through 9VAC5-80-350 and annual maintenance fees, as applicable, consistent with the requirements of 9VAC5-80-2310 through 9VAC5-80-2350.  
(9VAC5-80-110 H, 9VAC5-80-310 et seq., and 9VAC5-80-2310 et seq.)
46. **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.

(9VAC5-80-110 and 9VAC5-50-90)

47. **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.  
(9VAC5-80-110 and 9VAC5-50-20 E)

48. **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 9VAC5-80-140 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 9VAC5 Chapter 80, Article 1.  
(9VAC5-80-110 J)

49. **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.

(9VAC5-80-110 K.2)

50. **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 9VAC5-80-80 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 9VAC5-80-110 D.

(9VAC5-80-110 L)

51. **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.

(9VAC5-80-110 and 9VAC5-80-150 E)

52. **Transfer of Permits**

- a. No person shall transfer a permit from one location to another, unless authorized under 9VAC5-80-130, or from one piece of equipment to another.
- b. 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 9VAC5-80-200.

- c. 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 9VAC5-80-200.

(9VAC5-80-110 and 9VAC5-80-160)

- 53. **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 9VAC5 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.

(9VAC5-80-110, 9VAC5-80-190 C, and 9VAC5-80-260)

- 54. **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.

(9VAC5-80-110 and 9VAC5-80-80 E)

- 55. **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.

(9VAC5-80-110 and 40 CFR Part 82, Subparts A-F)

- 56. **Asbestos Requirements** - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).

(9VAC5-60-70 and 9VAC5-80-110)

- 57. **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.

(9VAC5-80-110 and 40 CFR Part 68)

- 58. **Changes to Permits for Emissions Trading** - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

(9VAC5-80-110 I)

59. **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 9VAC5-80-110, except subsection N, shall be included to determine compliance.
  - b. The permit shield described in 9VAC5-80-140 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 9VAC5-80-50 through 9VAC5-80-300.

(9VAC5-80-110 I)