COMMONWEALTH of VIRGINIA

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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 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:	Roanoke Valley Resource Authority
Facility Name:	Smith Gap Regional Landfill
Facility Location:	8484 Bradshaw Road Roanoke County, Virginia
Registration Number:	21330
Permit Number:	BRRO-21330

This permit includes the following programs:

Federally Enforceable Requirements - Clean Air Act (Conditions 1 through 56)

January 4, 2017
Effective Date

January 3, 2022
Expiration Date

Robert J. Weld, Regional Director

January 4, 2017
Signature Date

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Facility Information

Permittee
Roanoke Valley Resource Authority
1020 Hollins Road
Roanoke, VA 24012-8011

Responsible Official
Daniel D. Miles, P.E.
Chief Executive Officer

Facility
Smith Gap Regional Landfill
8484 Bradshaw Road
Roanoke County, Virginia

Contact Person
Steven R. Barger, P.E.
Operations Manager
(540) 857-5056

County-Plant Identification Number: 51-161-00246

Facility Description: NAICS/SIC - 562212/4953 – The facility is a municipal solid waste (MSW) landfill with a design capacity greater than 2.5 million megagrams (Mg) and 2.5 million cubic meters (m^3).

Emission Units

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
EU-1	NA	Landfill disposal area	>2.5 x10^6 Mg & >2.5x10^6 m^3	Enclosed flare	GCCS	NMOC	-
GCCS	S-1	Gas collection and control system	2,000 scfm	-	-	-	8/22/2016 Permit Document

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

Process Equipment Requirements - Landfill and Gas Collection and Control System (GCCS)

Limitations

1. **Process Equipment Requirements - (GCCS) - Emission Limits -** Emissions from the operation of the enclosed flare shall not exceed the limits specified below:

PM-10 (Total)	0.017 lb/MMBtu	5.0 tons/yr
NOx (as NO_2)	0.041 lb/MMBtu	12.0 tons/yr
Carbon Monoxide	0.010 lb/MMBtu	2.9 tons/yr
Sulfur Dioxide (SO_2)	0.9 lb/hr	4.0 tons/yr

(9VAC5-80-110 and Condition 2 of 8/22/2016 Permit Document)

2. **Process Equipment Requirements - (GCCS) – Visible Emission Limits -** The enclosed flare shall be operated with no visible emissions, as determined by EPA Method 22 (reference 40 CFR 60, Appendix A), except for periods not to exceed a total of five minutes during two consecutive hours. This condition applies at all times except during startup, shutdown and malfunction.
(9VAC5-80-110 and Condition 3 of the 8/22/2016 Permit Document)

Monitoring

3. **Process Equipment Requirements - (GCCS) – Monitoring Devices -** The enclosed flare shall be equipped with a device to continuously measure and record the operating temperature and the landfill gas flow rate. Each monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the enclosed flare is operating.
(9VAC5-80-110 and Condition 1 of 8/22/2016 Permit Document)

Recordkeeping

4. **Process Equipment Requirements - (GCCS) – 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 Blue Ridge Regional Office. These records shall include, but are not limited to:

   a. Current amount of waste in place and monthly waste acceptance rates.

b. Records sufficient to calculate the facility's emissions on a 12-month rolling basis.

c. Description, location, amount, and placement date of all nondegradable refuse including asbestos and demolition refuse placed in landfill areas that are excluded from landfill gas estimation or landfill gas collection and control.

d. Records of enclosed flare operating temperature and landfill gas flow rate required in Condition 3.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9VAC5-50-50, 9VAC5-80-110 and Condition 4 of 8/22/2016 Permit Document)

NSPS WWW – Standards of Performance for Municipal Solid Waste Landfills and MACT AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills

Standards for Air Emissions

5. **NSPS WWW and MACT AAAA – Landfill Collection and Control System -** If the calculated non-methane organic compounds (NMOC) emission rate is greater than or equal to 50 Mg (as calculated in 40 CFR 60.754), the permittee shall comply with subsection a. or subsections b., c., d., and e.:

   a. demonstrate that the NMOC emission rate is less than 50 Mg per year through either Tier 2 testing in accordance with 40 CFR 60.757(c)(1) or Tier 3 testing in accordance with 40 CFR 60.757(c)(2); or

   b. submit a landfill gas (LFG) collection and control system design plan meeting the requirements of 40 CFR 60.752(b)(2)(i) to the Blue Ridge Regional Office within one year,

   c. install a gas collection and control system in compliance with 40 CFR 60.752(b)(2)(ii)(A) or (B), and 40 CFR 60.752(b)(2)(iii) within 30 months after the first annual report in which the NMOC emission rate is greater than or equal to 50 Mg per year;

   d. operate the installed gas collection and control system in compliance with 40 CFR 60.752(b)(iv), and 40 CFR 60.753;

   e. comply with the requirements in 40 CFR 63.1955 through 63.1980 and with the general provisions specified in Table 1 to 40 CFR Part 63 Subpart AAAA.

   (9VAC5-80-110, 40 CFR 60.752(b)(2), 40 CFR 60.757(c), and 40 CFR 63.1955)

6. **NSPS WWW and MACT AAAA – 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. (9VAC5-50-30, 9VAC5-80-110, 40 CFR 60.8(e) and 40 CFR 63.7(d))

7. **NSPS WWW – Testing -** Initial performance tests for the gas collection and control system used to comply with Condition 5 shall be conducted as required in 40 CFR 60.752(b)(2)(iii)(B) and 40 CFR 60.754(d) to determine compliance with the applicable requirements. The details of the tests are to be arranged with the Blue Ridge Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. The test report shall be submitted as required in Condition 10.
(9VAC5-80-110 and 40 CFR 60.752)

Records

8. **NSPS WWW and MACT AAAA – On-Site Records -** The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Blue Ridge Regional Office. Except as provided in 40 CFR 60.752(b)(2)(i)(B), these records shall include, but are not limited to:

   a. Current design capacity report, current amount of solid waste in-place, and the year-by-year waste acceptance rates.

   b. Upon start-up of a gas collection and control system used to comply with Condition 5, all records required in 40 CFR 60.758(b), (c), (d), and (e). Where records pertain to specific control device type, only the records required for the facility's installed control device type shall be kept.

   c. Records sufficient to demonstrate compliance with the reporting requirements in Conditions 10 - 14.

   d. Records and reports as specified in the general provisions of 40 CFR Part 60 and in Table 1 of 40 CFR Part 63 Subpart AAAA including Startup, Shutdown, and Malfunction (SSM) plans and the SSM plan reports.

   These records shall be readily accessible, available for inspection by the DEQ and shall be current for the most recent five years unless a longer period is stated in 40 CFR 60.758.
   (9VAC5-80-110, 40 CFR 60.758 and 40 CFR 63.1980)

Notifications

9. **NSPS WWW – Notifications** - The permittee shall furnish written notification to the Blue Ridge Regional Office of:

   a. The anticipated date of testing under Tiers 2 or 3 to demonstrate NMOC emission rate of the landfill postmarked at least 30 days prior to such date.

   b. The anticipated date of performance tests of the gas collection and control system postmarked at least 30 days prior to such date.

   (9VAC5-80-110 and 40 CFR 60.8(d))

Reporting

10. **NSPS WWW and MACT AAAA – Semi-Annual Report** – The permittee shall submit to the Blue Ridge Regional Office semi-annual reports of the recorded information listed below. The initial semi-annual report shall be submitted within 180 days of installation and start-up of the collection and control system used to comply with Condition 5.

    a. The initial performance test report required under 40 CFR 60.752(b)(2)(iii)(B) and 40 CFR 60.8 including the information required in 40 CFR 60.757(g);

    b. Value and length of time for exceedance of applicable parameters monitored under 40 CFR 60.756(a), (b), (c) and (d);

    c. Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under 40 CFR 60.756;

    d. Description and duration of all periods when the control device was not working for a period exceeding one hour and the length of time control device was not operating;

    e. All periods when the collection system was not operating in excess of five days;

    f. The location of each exceedance of the 500 parts per million surface methane concentration as provided in 40 CFR 60.753(d) and the concentration recorded at each location for which an exceedance was recorded in the previous month; and

    g. The date of installation and the location of each well or collection system expansion added pursuant to 40 CFR 60.755(a)(3), 40 CFR 60.755(b) and 40 CFR 60.755(c)(4).

    Items (b) through (f) shall be submitted semi-annually. All future semi-annual reports shall be submitted no later than **March 1** and **September 1** of each calendar year and shall cover the period of either January 1 to June 30 or July 1 to December 31. One copy of each semi-

annual compliance report shall be submitted to the U.S. Environmental Protection Agency at the address specified in Condition 12.
(9VAC5-80-110, 40 CFR 60.757(f) and 40 CFR 63.1980(a))

11. **NSPS WWW – Design Capacity Report (DCR) –** No later than 90 days after commencing construction on the modification of the MSW landfill, the permittee shall submit an amended Design Capacity Report (DCR) to the Blue Ridge Regional Office, meeting the requirements of 40 CFR 60.757(a). One copy of the amended DCR shall be submitted to the U.S. Environmental Protection Agency at the address specified in Condition 12.
(9VAC5-80-110 and 40 CFR 60.757(a)(3))

12. **NSPS WWW – NMOC Emissions Report –** Except as provided for in 40 CFR 60.757(b)(1)(ii) and 40 CFR 60.757(b)(3), the permittee shall submit an annual NMOC emission rate report to the Blue Ridge Regional Office no later than one year from the date of the initial NMOC report. The report shall meet the requirements of 40 CFR 60.757(b). One copy of the NMOC emission report shall be submitted to the U.S. Environmental Protection Agency at the following address:

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

    (9VAC5-80-110, 40 CFR 60.4 and 40 CFR 60.757(b))

13. **NSPS WWW – Closure Report –** Within 30 days of the date the MSW landfill stops accepting waste, the permittee shall submit a closure report to the Blue Ridge Regional Office and comply with 40 CFR 60.757(d). One copy of the closure report shall be submitted to the U.S. Environmental Protection Agency at the address specified in Condition 12.
(9VAC5-80-110 and 40 CFR 60.757(d))

14. **NSPS WWW – Control Equipment Removal Report –** If a GCCS is required by Condition 5, no later than 30 days prior to cessation of operation or removal of control equipment used to comply with 40 CFR Part 60 Subpart WWW, the permittee shall submit an equipment removal report to the Blue Ridge Regional Office in accordance with 40 CFR 60.757(e). One copy of the equipment removal report shall be submitted to the U.S. Environmental Protection Agency at the address specified in Condition 12.
(9VAC5-80-110 and 40 CFR 60.757(e))

Insignificant Emission Units

15. **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)
EU-3	Leachate Storage Tank	9VAC5-80-720B	VOC	-

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.

Permit Shield & Inapplicable Requirements

16. **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
None Identified		

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.
(9VAC5-80-140)

General Conditions

17. **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.
(9VAC5-80-110)

18. **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 9VAC5-80-80, the right of the facility to operate shall be terminated upon permit expiration.
(9VAC5-80-80, 9VAC5-80-110 and 9VAC 5-80-170)

19. **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.
(9VAC5-80-80, 9VAC5-80-110 and 9VAC5-80-170)

20. **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 9VAC5 Chapter 80, until the Board takes final action on the application under 9VAC5-80-150.
(9VAC5-80-80, 9VAC5-80-110 and 9VAC5-80-170)

21. **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 9VAC5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9VAC5 Chapter 80.
(9VAC5-80-80, 9VAC5-80-110 and 9VAC5-80-170)

22. **General Conditions - Permit Expiration** - 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.
(9VAC5-80-80, 9VAC5-80-110 and 9VAC5-80-170)

23. **General Conditions - Permit Expiration** - 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, 9VAC5-80-110 and 9VAC5-80-170)

24. **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; and

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

(9VAC5-80-110)

25. **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. (9VAC5-80-110)

26. **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 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. Exceedance of emissions limitations or operational restrictions;

        ii. 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,

        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 semi-annual reporting period."

(9VAC5-80-110)

27. **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 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 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; 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

(9VAC5-80-110)

28. **General Conditions - Permit Deviation Reporting** - The permittee shall notify the Blue Ridge 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 26 of this permit. (9VAC5-80-110 F.2)

29. **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 no later than four daytime business hours after the malfunction is discovered, notify the Blue Ridge Regional Office of such failure or malfunction and shall within 14 days provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9VAC5-40-50 C and 9VAC5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9VAC5-40-40 and 9VAC5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Blue Ridge Regional Office.
(9VAC5-20-180, 9VAC5-80-110 and Condition 11 of the 8/22/2016 Permit Document)

30. **General Conditions – Records 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.
(9VAC5-80-110 and Condition 10 of the 8/22/2016 Permit Document)

31. **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.
(9VAC5-80-110)

32. **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.
(9VAC5-80-110)

33. **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.
(9VAC5-80-110)

34. **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 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.
(9VAC5-80-110, 9VAC5-80-190 and 9VAC5-80-260)

35. **General Conditions - Property Rights -** The permit does not convey any property rights of any sort, or any exclusive privilege.
(9VAC5-80-110)

36. **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.
(9VAC5-80-110)

37. **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 9VAC5-80-80 G.
(9VAC5-80-110)

38. **General Conditions - Duty to Pay Permit Fees -** The owner of any source for which a permit under 9VAC5-80-50 through 9VAC5-80-300 was issued shall pay permit fees consistent with the requirements of 9VAC5-80-310 through 9VAC5-80-350 in addition to an annual permit maintenance fee consistent with the requirements of 9VAC5-80-2310 through 9VAC5-80-2350. 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. The amount of the annual permit maintenance fee shall be the largest applicable base permit maintenance fee amount from Table 8-11A in 9VAC5-80-2340, adjusted annually by the change in the Consumer Price Index.
(9VAC5-80-110, 9VAC5-80-340 and 9VAC5-80-2340)

39. **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.

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

40. **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.
(9VAC5-50-20 E, 9VAC5-80-110 and Condition 9 of the 8/22/2016 Permit Document)

41. **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 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)

42. **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.

(9VAC5-80-110 and Condition 8 of the 8/22/2016 Permit Document)

43. **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 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)

44. **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. (9VAC5-80-110 and 9VAC5-80-150)

45. **General Conditions - Transfer of Permits** - 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.
(9VAC5-80-110 and 9VAC5-80-160)

46. **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 9VAC5-80-200.
(9VAC5-80-110 and 9VAC5-80-160)

47. **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 9VAC5-80-200.
(9VAC5-80-110 and 9VAC5-80-160)

48. **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 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, 9VAC5-80-260 and Condition 7 of the 8/22/2016 Permit Document)

49. **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.
(9VAC5-80-110 and 9VAC5-80-80 E)

50. **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.
(9VAC5-80-110 and 40 CFR Part 82)

51. **General Conditions - 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)

52. **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.
(9VAC5-80-110 and 40 CFR Part 68)

53. **General Conditions - 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)

54. **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 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)

55. **General Conditions - Change of Ownership -** In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current permit issued to the previous owner. The new owner shall notify the Blue Ridge Regional Office of the change of ownership within 30 days of the transfer.
(9VAC5-80-110 and Condition 13 of the 8/22/2016 Permit Document)

56. **General Conditions - Permit Copy -** The permittee shall keep a copy of the August 22, 2016 permit on the premises of the facility to which it applies.
(9VAC5-80-110 and Condition 14 of the 8/22/2016 Permit Document)