

**COMMONWEALTH OF VIRGINIA
Department of Environmental Quality
Southwest Regional Office**

STATEMENT OF LEGAL AND FACTUAL BASIS

City of Bristol, Virginia, Integrated Solid Waste Management Facility
2125 Shakesville Road, Bristol, Virginia
Permit No. SWRO11184

Title V of the 1990 Clean Air Act Amendments required each state to develop a permit program to ensure that certain facilities have federal Air Pollution Operating Permits, called Title V Operating Permits. As required by 40 CFR Part 70 and 9 VAC 5 Chapter 80, the City of Bristol, Virginia has applied for renewal of the Title V Operating Permit for its Integrated Solid Waste Management Facility at 2125 Shakesville Road, Bristol, Virginia. The Department has reviewed the application and has prepared a draft renewal Title V Operating Permit.

Air Permit Contact: _____

Bruce Mullins
(276) 676-4825

Date: _____

Air Permit Manager: _____

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Date: _____

Regional Director: _____

Allen J. Newman, P.E.

Date: _____

FACILITY INFORMATION

Permittee

City of Bristol, Virginia
300 Lee Street
Bristol, Virginia 24201

Facility

City of Bristol Integrated Solid Waste Management Facility
2125 Shakesville Road, Bristol, Virginia 24201

County-Plant ID No. 51-520-00160

SOURCE DESCRIPTION

NAICS Code: 562212 - Collection and disposal of non-hazardous solid waste.

The City of Bristol Integrated Solid Waste Management Facility (ISWMF) consists of three landfill units (cells) located on contiguous property and separated by landfill haul roads. All three landfill units have accepted only municipal solid waste (MSW) and non-hazardous special waste.

The first landfill unit designated by Solid Waste Permit Number 221, accepted waste from 1977 to 1986. This unit is closed.

The second landfill unit designated by Solid Waste Permit Number 498, accepted waste from 1986 to present. The waste acceptance rate of this unit is minimal. Wastes in Landfill No. 498 are being reclaimed through landfill mining. Excavated material is screened to separate the waste from daily/intermediate cover and recyclable materials, such as ferrous and non-ferrous metals. The waste is then disposed in the third landfill unit. Excavated soil is used elsewhere in the facility and the recyclable materials are processed appropriately.

The third landfill unit designated by Solid Waste Permit Number 588 began accepting waste in March of 1998 and is currently active.

A gas collection system has been constructed and is currently operating at each landfill unit (221, 498 and 588). Construction of the gas collection system for unit 588 is ongoing with the progression of waste filling. Collected gas from each landfill unit is combusted in a Parnel Biogas open utility flare.

The previous minor new source review (NSR) permit for the facility contained requirements applicable to a second utility flare (LFG&E) and a Pacterm Model 2012 controlled-air

incinerator. The LFG&E flare was removed from the facility in 2003, and the Pactherm incinerator was removed from the facility in 2013. References and requirements pertaining to this equipment were removed from the underlying minor NSR permit by minor permit amendment issued on September 30, 2015. Therefore, with this equipment physically removed from the facility and no underlying permit requirements, there are no applicable requirements for this equipment in this Title V permit renewal.

Emissions from the landfill units include non-methane organic compounds (NMOC), volatile organic compounds (VOC), hazardous air pollutants (HAP), greenhouse gases (GHG), fugitive dust and products of combustion from the utility flare.

The facility is currently operating under a minor NSR permit issued on July 7, 2003 (as amended November 13, 2003, October 13, 2004 and September 30, 2015), and a Title V operating permit with an expiration date of March 12, 2016.

COMPLIANCE STATUS

A full compliance evaluation of this facility, including a site visit, was completed on August 26, 2013. In addition, all reports and other data required by permit conditions or regulations, which are submitted to DEQ, are evaluated for compliance. Based on these compliance evaluations, the facility has not been found to be in violation of any state or federal applicable requirements at this time.

EMISSION UNIT AND CONTROL DEVICE IDENTIFICATION

The emissions units at this facility consist of the following:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity *	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Municipal Solid Waste (MSW) Landfill							
P01	S01	Closed MSW landfill unit, Solid Waste Permit No. 221	694,700 yd ³	Parnel Biogas utility flare	PCD-01	NMOC and VOC	7/7/03 (as amended 11/13/03, 10/13/04 and 9/30/15)
		MSW landfill unit, Solid Waste Permit No. 498	1,199,224 yd ³				
		MSW landfill unit, Solid Waste Permit No. 588	7,700,000 yd ³				
Landfill Surface and Haul Roads							
P03	---	Landfill surface and haul roads	---	Wet suppression	---	PM	7/7/03 (as amended 11/13/03, 10/13/04 and 9/30/15)

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

EMISSIONS INVENTORY

A copy of the 2014 Emission Statement is attached. Emissions are summarized in the following table:

2014 Actual Emissions

Criteria, Hazardous Air Pollutant (HAP) and Greenhouse Gas (GHG) Emissions in Tons/Yr										
Emission Unit	VOC	TRS	PM _{2.5}	NMOC	CO	SO ₂	NO _x	PM ₁₀	HAP	GHG (CO _{2e})
P01, Landfill	11.46	0.85	---	29.38	---	---	---	---	0.29	156,171
PCD-01, Utility Flare	0.093	---	1.25	0.096	11.24	1.19	3.00	1.25	0.009	---
P03, Fugitive Dust Emissions	---	---	0.70	---	---	---	---	3.83	---	---
Total	11.55	0.85	1.95	29.48	11.24	1.19	3.00	5.08	0.30	156,171

EMISSION UNIT APPLICABLE REQUIREMENTS – LANDFILL REQUIREMENTS (P01, P03 AND PCD-01):

The landfill (P01) was modified with the addition of a landfill unit (cell), Solid Waste Permit No. 588, after May 30, 1991. Therefore, in accordance with 40 CFR 60.750(a), it is subject to the new source performance standards (NSPS) of 40 CFR Part 60, Subpart WWW – Standards of Performance for Municipal Solid Waste Landfills. All requirements from Subpart WWW applicable to the landfill (P01), landfill surface (P03) and flare (PCD-01) are incorporated into the conditions of the underlying minor NSR permit for the facility, which are detailed in this Statement of Legal and Factual Basis and included in the Title V permit.

Limitations

The following requirements are from the minor NSR permit dated July 7, 2003 (as amended November 13, 2003, October 13, 2004 and September 30, 2015):

Condition 1: The total design capacity of the municipal solid waste landfill, P01, is 9,593,924 cubic yards. A change in the design capacity may require a new or amended permit.

The following text has been added to the above condition in the Title V permit to clarify that P01 is made up of three (3) landfill units with a total combined capacity of 9,593,924 cubic yards:

The Integrated Solid Waste Management Facility consists of three (3) municipal solid waste (MSW) landfill units that make up P01, with the following capacities:

- Closed MSW Landfill Permit No. 221 – 694,700 cubic yards;
- Active MSW Landfill Permit No. 498 – 1,199,224 cubic yards; and
- Active MSW Landfill Permit No. 588 – 7,700,000 cubic yards.

Condition 2: The permittee shall construct and operate a landfill gas (LFG) collection and control system which:

- a. Is designed to handle the maximum expected gas flow rate from the entire area of the landfill, P01, that warrants control over the intended use period of the gas control system equipment;
Reference to gas treatment system equipment was inadvertently left out of the above condition in the minor NSR permit, however, reference to treatment system equipment is added in the Title V permit renewal to reflect this gas management option as allowed under NSPS Subpart WWW and for consistency with Title V permit condition 2.g.iii.
- b. Collects gas from each area, cell, or group of cells where initial solid waste has been in place for a period of:
 - i. Five years or more if active; or
 - ii. Two years or more if closed or at final grade;
- c. Collects gas at a sufficient extraction rate;
- d. Is operated with each wellhead under negative pressure except as provided in 40 CFR 60.753(b);
- e. Is operated with each interior wellhead in the collection system having a landfill gas temperature less than 55 °C and having either:
 - i. A nitrogen content less than 20% as determined by EPA Method 3C (reference 40 CFR 60 Appendix A) unless an alternative test method is established as allowed by 40 CFR 60.752(b)(2)(i); or

- ii. An oxygen content less than 5% as determined by an oxygen meter using EPA Method 3A or 3C (reference 40 CFR 60, Appendix A) except as specified in 40 CFR 60.753(c)(2), unless an alternative test method is established as allowed by 40 CFR 60.752(b)(2)(i).

A higher operating temperature, nitrogen, or oxygen value at a particular well may be established. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens;

- f. Is designed to minimize off-site migration of subsurface gas;
- g. Routes all collected gas to a control system that complies with the requirements in either i, ii or iii below:
 - i. An open flare designed and operated in accordance with 40 CFR 60.18;
 - ii. A control system designed and operated to reduce NMOC by 98 weight-percent, or, when an enclosed combustion device is used for control, to either reduce NMOC by 98 weight-percent or reduce the outlet NMOC concentration to less than 20 parts per million volume (ppmv), dry basis as hexane at 3 percent oxygen. The reduction efficiency or parts per million volume shall be established by an initial performance test to be completed no later than 180 days after the initial startup of the approved control system using the test methods specified in 40 CFR 60.754(d).
 - (1) If a boiler or process heater is used as the control device, the landfill gas stream shall be introduced into the flame zone.
 - (2) The control device shall be operated within the parameter ranges established during the initial or most recent performance test. The operating parameters to be monitored are specified in 40 CFR 60.756;
 - iii. A treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system shall be subject to the requirements of g.i or g.ii above; and
- h. Maintains the methane concentration at the surface of the landfill at less than 500 ppmv above the background level.

Condition 3: The gas control system shall be in operation at all times when the collected gas is routed to the system. In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour.

Condition 4: The open flare, PCD-01, shall meet the criteria in 40 CFR 60.18.

Condition 5: Fugitive dust controls shall include the following, or equivalent, as approved by DEQ:

- a. Dust from grading, cell construction, waste compaction, application of daily cover, storage piles, material handling, load-outs and traffic areas shall be controlled by wet suppression or equivalent control measures (as approved by DEQ).
- b. All material being stockpiled shall be kept adequately moist to control dust during storage and handling, or covered at all times to minimize emissions.
- c. Dust from haul roads shall be controlled by wet suppression and prompt removal of dried sediment resulting from soil erosion and dirt spilled or tracked onto paved surfaces within the landfill.
- d. Reasonable precautions shall be taken to prevent deposition of dirt on public roads and subsequent dust emissions. Dirt, product, or raw material spilled or tracked onto paved surfaces shall be promptly removed to prevent particulate matter from becoming airborne.

Condition 10: The open flare, PCD-01, 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 applies at all times except during startup, shutdown, and malfunction.

Condition 12: Except where this permit is more restrictive than the applicable requirements, the municipal solid waste landfill shall be constructed and operated in compliance with the requirements of 40 CFR 60, Subpart WWW.

40 CFR 63, Subpart AAAA is not referenced in the above condition since provisions of 40 CFR Part 63 are not administered through the minor NSR permitting program. However, reference to Subpart AAAA is added to the condition in the Title V permit renewal.

Condition 19: 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. Maintain an inventory of spare parts.
- c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
- d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

9 VAC 5-60-100, Subpart AAAA of Virginia air pollution regulations and the following provisions of 40 CFR Part 63, Subpart AAAA – National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills have been determined to be applicable:

40 CFR 63.1955(a)(1): Comply with the requirements of 40 CFR Part 60, Subpart WWW.

40 CFR 63.1960: Develop and implement a written Startup, Shutdown, and Malfunction (SSM) plan according to the provisions in 40 CFR 63.6(e)(3) and maintain a copy of the plan on site.

Monitoring

The following requirements are from the minor NSR permit dated July 7, 2003 (as amended November 13, 2003, October 13, 2004 and September 30, 2015):

Condition 6: The operation of the gas collection system shall be monitored as follows:

- a. The following items shall be monitored each month:
 - i. Gauge pressure in the collection header at each individual well.
 - ii. LFG temperature in each well.
 - iii. Nitrogen concentration or oxygen concentration in each well.
 - iv. Cover integrity of the landfill

- b. The methane concentration at the landfill surface shall be monitored in accordance with 40 CFR 60.755(c), and 40 CFR 60.756(f). All components of the leachate collection system that penetrate the surface of the landfill shall be included in the surface monitoring program.

Condition 7: The operation of the gas control system shall be monitored as follows:

- a. Calibrate, maintain and operate according to manufacturer's specifications a device that records gas flow rate to or bypass of each control device. Gas flow to each control device shall be recorded at least every 15 minutes or each bypass line valve shall be secured in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of each seal or closure mechanism shall be performed at least once every month.
- b. When using an enclosed combustor as a control device: calibrate, maintain and operate according to manufacturer's specifications a temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of ± 1 percent of the temperature being measured expressed in degrees Celsius or ± 0.5 degrees Celsius, whichever is greater.
- c. When using an open flare as a control device: calibrate, maintain and operate according to manufacturer's specifications a heat sensing device, such as an ultraviolet beam sensor or thermocouple, at the pilot light or the flame itself to indicate the continuous presence of a flame.

Condition 8: If monitoring demonstrates that the requirements of Condition 2 are not being met, corrective actions shall be taken as specified in 40 CFR 755(a)(3) through (a)(5) or 40 CFR 60.755(c). If corrective actions are taken as specified in 40 CFR 60.755(c)(4), the monitored exceedance is not a violation of the operational requirements of this permit or 40 CFR 60, Subpart WWW.

Condition 11: For the purpose of determining when the LFG collection and control system can be removed, the NMOC emission rate shall be calculated as indicated in 40 CFR 60.754(b).

The visible emissions limitation for the open flare will be monitored by visible emission observations. The permittee shall perform a visible emission observation on the open flare, PCD-01, once each calendar month when the unit is operating. Each visible emissions observation shall be performed for a sufficient period of time to identify the presence of visible emissions. If visible emissions (condensed water vapor/steam is not a visible emission) are observed during any of the visible emission observations, the permittee shall take appropriate action to correct the cause of opacity. If such action fails to eliminate visible emissions, the

permittee shall conduct a visible emission observation in accordance with 40 CFR Part 60, Appendix A, Method 22 for a minimum of 6 minutes. If visible emissions are observed within the 6-minute observation period, the Method 22 observation shall continue for two hours to determine compliance with the opacity limit. The permittee shall record the details of each visible emission observation, which shall include, at a minimum, the date and time of the observation, whether there were visible emissions, and any corrective action. The permittee shall record the details of each Method 22 observation, which shall include, at a minimum, data required by 40 CFR Part 60, Appendix A, Method 22.

9 VAC 5-60-100, Subpart AAAA of Virginia air pollution regulations and the following provisions of 40 CFR Part 63, Subpart AAAA – National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills have been determined to be applicable:

40 CFR 63.1960: Compliance determinations same as 40 CFR Part 60, Subpart WWW.

40 CFR 63.1965: Deviation definition.

40 CFR 63.1975: 3-hour block average calculation.

DEQ and EPA guidance on Title V periodic monitoring indicate all new standards under the authority of sections 111 (New Source Performance Standards (NSPS), 40 CFR Part 60) and 112 (Maximum Achievable Control Technology (MACT) standards, 40 CFR Part 63) proposed after November 15, 1990, are presumed to have adequate monitoring to meet Title V periodic monitoring requirements. The facility is subject to the provisions of NSPS Subpart WWW and MACT Subpart AAAA, both of which were proposed after November 15, 1990. All applicable monitoring, recordkeeping and reporting requirements specified in those subparts are detailed in this Statement of Basis and included in the Title V permit for the facility. Therefore, periodic monitoring for the landfill meets Title V periodic monitoring requirements.

Recordkeeping

The Title V permit includes requirements for maintaining records of all monitoring and testing required by the permit and requirements from Conditions 13 and 19 of the minor NSR permit dated July 7, 2003 (as amended November 13, 2003, October 13, 2004 and September 30, 2015), as follows:

- a. The design capacity report, which made applicable 40 CFR 60.752(b), the current amount of solid waste in place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.
- b. Vendor specifications of each LFG control device.

- c. Description, location, amount, and placement date of all non-degradable refuse, including asbestos and demolition refuse placed in landfill areas which are excluded from landfill gas estimation and landfill gas collection and control.
- d. Installation date and location of all installed collectors as specified under 40 CFR 60.755(b).
- e. Plot map showing each existing and planned collector in the gas collection system with each collector uniquely identified.
- f. The maximum expected LFG generation flow rate as calculated in 40 CFR 60.755(a)(1). Another method may be used to determine the maximum gas generation flow rate, if approved by DEQ.
- g. The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 40 CFR 60.759(a)(1).
- h. Monitored parameters of the gas collection and control system and records of operation during which the parameter boundaries established during the most recent performance test are exceeded.
- i. For the open flare, PCD-01: the flare type, all visible emission readings, heat content determination, flow rate or bypass flow rate measurements, and exit velocity determinations made during the performance test as specified in 40 CFR 60.18, continuous records of the flare pilot flame or flare flame monitoring and records of all periods of operation during which the pilot flame of the flare flame is absent.
- j. Continuous records of the indication of LFG flow to each control device or the indication of bypass flow or records of monthly inspections of car-seals or lock-and-key configurations used to seal bypass lines.
- k. All collection and control system exceedances of the operational standards in 40 CFR 60.753, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance.
- l. Age of the landfill.
- m. Scheduled and unscheduled maintenance, operating procedures and operator training.

9 VAC 5-60-100, Subpart AAAA of Virginia air pollution regulations and the following provisions of 40 CFR Part 63, Subpart AAAA – National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills have been determined to be applicable:

40 CFR 63.1980(a): Keep records as specified in 40 CFR Part 60, Subpart WWW.

40 CFR 63.1980(b): Keep records as specified in the general provisions of 40 CFR Parts 60 and 63 such as SSM plans.

Testing

The following requirements are from the minor NSR Permit dated July 7, 2003 (as amended November 13, 2003, October 13, 2004 and September 30, 2015):

Condition 9: The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Sampling ports shall be provided when requested at the appropriate locations and safe sampling platforms and access shall be provided.

9 VAC 5-60-100, Subpart AAAA of Virginia air pollution regulations and the following provisions of 40 CFR Part 63, Subpart AAAA – National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills have been determined to be applicable:

40 CFR 63.1960: Compliance determinations same as 40 CFR Part 60, Subpart WWW.

Reporting

The following requirements are from the minor NSR Permit dated July 7, 2003 (as amended November 13, 2003, October 13, 2004 and September 30, 2015):

Condition 14: The permittee shall submit a semi-annual compliance report to DEQ and EPA containing the following:

- a. Value and length of time for exceedance of applicable parameters monitored under 40 CFR 60.756(a), (b), (c), and (d).
- b. Description and duration of all periods when the gas stream is diverted from each control device through a bypass line or the indication of bypass flow as specified under 40 CFR 60.756.

- c. Description and duration of all periods when each control device was not operating for a period exceeding one hour and the length of time each control device was not operating.
- d. All periods when the collection system was not operating in excess of five days.
- e. The location of each exceedance of the 500 parts per million surface methane concentration, and the concentration recorded at each location for which an exceedance was recorded, as provided in 40 CFR 60.755(c).
- f. 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).

Condition 15: The permittee shall submit a closure report to DEQ within 30 days of the date the MSW landfill stops accepting waste.

Condition 16: The permittee shall submit an equipment removal report to DEQ at least 30 days prior to removal or cessation of operation of control equipment.

Provisions of Condition IV.E.7 of the current Title V permit requiring the permittee to submit an amended design capacity report have been removed from the renewal permit. The underlying citation, 40 CFR 60.757(a)(3), pertains to reporting an increase in the maximum design capacity of a landfill to or above 2.5 million megagrams and 2.5 million cubic meters. The maximum design capacity of the subject landfill increased above those parameters in 1998, with the addition of landfill unit MSW Landfill Permit No. 588. The reporting requirement has been completed and therefore no longer applies.

9 VAC 5-60-100, Subpart AAAA of Virginia air pollution regulations and the following provisions of 40 CFR Part 63, Subpart AAAA – National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills have been determined to be applicable:

40 CFR 63.1980(a): Report as specified in 40 CFR Part 60, Subpart WWW except submit the annual report described in 40 CFR 60.757(f) every 6 months.

40 CFR 63.1980(b): Report as specified in the general provisions of 40 CFR Parts 60 and 63 such as SSM plan reports.

GENERAL CONDITIONS

The permit contains general conditions required by 40 CFR Part 70 and 9 VAC 5-80-110, that apply to all Federal operating-permit sources. These include requirements for submitting semi-annual monitoring reports and an annual compliance certification report. The permit also

requires notification of deviations from permit requirements or any excess emissions.

Comments on General Conditions

B. Permit Expiration

This condition refers to the Board taking action on a permit application. The Board is the State Air Pollution Control Board. The authority to take action on permit application(s) has been delegated to the Regions as allowed by §2.1-20.01:2 and §10.1-1185 of the *Code of Virginia*, and the “Department of Environmental Quality Agency Policy Statement No. 3-2001”.

F. Failure/Malfunction Reporting

Section 9 VAC 5-120-180 requires malfunction and excess emissions reporting within four hours of discovery. Section 9 VAC 5-80-250 of the Title V regulations also requires malfunction reporting; however, reporting within two days. Section 9 VAC 5-20-180 is from the general regulations. All affected facilities are subject to 9 VAC 5-20-180 including Title V facilities. Title V facilities are subject to both sections. A facility may make a single report that meets the requirements of 9 VAC 5-20-180 and 9 VAC 5-80-250. The report must be made within four daytime business hours after discovery of the malfunction.

U. Malfunction as an Affirmative Defense

The regulations contain two coinciding reporting requirements for malfunctions. The reporting requirements are listed in sections 9 VAC 5-80-250 and 9 VAC 5-20-180. The malfunction requirements are listed in General Condition U and General Condition F. For further explanation see the comments on General Condition F.

Y. Asbestos Requirements

The Virginia Department of Labor and Industry under Section 40.1-51.20 of the Code of Virginia also holds authority to enforce 40 CFR 61 Subpart M, National Emission Standards for Asbestos.

FUTURE APPLICABLE REQUIREMENTS

The City of Bristol, Virginia did not identify any future applicable requirements in their application and DEQ is unaware of any future requirements that may apply during the life of the Title V permit. Therefore, no future applicable requirements have been included in the permit.

INAPPLICABLE REQUIREMENTS

Results of the LandGEM model for the City of Bristol, Virginia ISWMF submitted as part of their 2014 Emissions Statement indicate the landfill generated approximately 5,967 metric tons of methane in 2014, which is 125,307 metric tons of carbon dioxide-equivalent (CO_{2e}). The LandGEM model output is attached. The provisions of 40 CFR Part 98 – Mandatory Greenhouse Gas Reporting require owners and operators of municipal solid waste landfills that generate methane in amounts equal to or greater than 25,000 metric tons CO_{2e} per year, to report greenhouse gas (GHG) emissions, annually. However, the definition of “applicable requirement” in 40 CFR 70.2 and 71.2 does not include requirements such as those included in Part 98, promulgated under Clean Air Act (CAA) section 114(a)(1) and 208. Therefore, the requirements of 40 CFR Part 98 are not applicable under the Title V permitting program.

The current state minor NSR permit for the City of Bristol ISWMF contains no GHG-specific applicable requirements and there have been no modifications at the facility requiring a PSD permit. Therefore, there are no applicable requirements for the facility specific to GHG.

INSIGNIFICANT EMISSION UNITS

The insignificant emission units are presumed to be in compliance with all requirements of the 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.

Insignificant emission units include the following:

Emission Unit No.	Emission Unit Description	Citation¹ (9 VAC_)	Pollutant Emitted (5-80-720 B.)	Rated Capacity (5-80-720 C.)
P04	Leachate Collection and Storage	5-80-720 B	NMOC and VOC	N/A
P05	Tire Shredding	5-80-720 B	PM	N/A
-----	Small Storage Tanks	5-80-720 B	NMOC and VOC	N/A

¹The citation criteria for insignificant activities are as follows:

- 9 VAC 5-80-720 A – Listed Insignificant Activity, Not Included in Permit Application
- 9 VAC 5-80-720 B – Insignificant due to emission levels
- 9 VAC 5-80-720 C – Insignificant due to size or production rate

CONFIDENTIAL INFORMATION

The permittee did not submit a request for confidentiality. All portions of the Title V application are suitable for public review.

PUBLIC PARTICIPATION

A public notice regarding the draft permit was published in the Bristol Herald Courier newspaper in Bristol, Virginia on December 17, 2015.

A copy of the draft permit, supporting documents and public notice were sent to the EPA by e-mail on December 11, 2015, for concurrent review.

A copy of the public notice was sent by e-mail on December 17, 2015, to Kentucky, Tennessee and North Carolina, as affected states.

A copy of the public notice was sent to all persons on the Title V mailing list by e-mail, postal mail or facsimile, as requested, no later than December 17, 2015.

Public comments were accepted from December 17, 2015, through January 19, 2016. No comments were received from the public.

The EPA 45-day review began on December 17, 2015, and continued through February 1, 2016. The EPA had no comments on the permit.

Attachments