

West Virginia Department of Environmental Protection  
*Division of Air Quality*

Joe Manchin III  
Governor

Stephanie R. Timmermeyer  
Cabinet Secretary

# Permit to Operate



*Pursuant to*  
**Title V**  
*of the Clean Air Act*

*Issued to:*  
**Northwestern Landfill, Inc**  
Parkersburg, WV  
R30-10700121-2006

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*John A. Benedict*  
*Director*

*Issued: May 8, 2006 • Effective: May 22, 2006*  
*Expiration: May 8, 2011 • Renewal Application Due: November 8, 2010*

Permit Number: **R30-10700121-2006**  
Permittee: **Northwestern Landfill, Inc.**  
Mailing Address: **P. O. Box 376, Parkersburg, WV 26102**

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*This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45CSR30 — Requirements for Operating Permits. The permittee identified at the above-referenced facility is authorized to operate the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.*

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Facility Location:	Parkersburg, Wood County, West Virginia
Mailing Address:	State Route 9, P. O. Box 376, Parkersburg, WV
Telephone Number:	(304) 428-0602
Type of Business Entity:	Corporation
Facility Description:	Northwestern Landfill is a municipal solid waste landfill that began operation in 1975. Northwestern Landfill, Inc. owns 349 acres of land bordered by US Route 50 to the North and I-77 to the West. The facility has 133.21 acres permitted for the disposal of solid waste and receives approximately 15,000 to 25,000 tons of waste per month. Waste is brought to the landfill by truck and disposed of. The waste is spread and compacted with soil placed over the active area each day for cover.
SIC Codes:	4953 Primary; None Secondary; None Tertiary
UTM Coordinates:	457.50 km Easting • 4344.37 km Northing • Zone 17

*Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.*

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*Issuance of this Title V Operating Permit does not supersede or invalidate any existing permits under 45CSR13, 14 or 19, although all applicable requirements from such permits governing the facility's operation and compliance have been incorporated into the Title V Operating Permit.*

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## Table of Contents

<b>1.0.</b>	<b>Emission Units .....</b>	<b>5</b>
<b>2.0.</b>	<b>General Conditions.....</b>	<b>6</b>
2.1.	Definitions .....	6
2.2.	Acronyms .....	6
2.3.	Permit Expiration and Renewal .....	7
2.4.	Permit Actions .....	7
2.5.	Reopening for Cause.....	7
2.6.	Administrative Permit Amendments .....	8
2.7.	Minor Permit Modifications .....	8
2.8.	Significant Permit Modification.....	8
2.9.	Emissions Trading .....	8
2.10.	Off-Permit Changes .....	8
2.11.	Operational Flexibility .....	9
2.12.	Reasonably Anticipated Operating Scenarios .....	10
2.13.	Duty to Comply.....	10
2.14.	Inspection and Entry .....	10
2.15.	Schedule of Compliance .....	11
2.16.	Need to Halt or Reduce Activity not a Defense .....	11
2.17.	Emergency .....	11
2.18.	Federally-Enforceable Requirements .....	12
2.19.	Duty to Provide Information .....	12
2.20.	Duty to Supplement and Correct Information.....	12
2.21.	Permit Shield .....	13
2.22.	Credible Evidence.....	13
2.23.	Severability .....	13
2.24.	Property Rights .....	13
2.25.	Acid Deposition Control .....	14
<b>3.0.</b>	<b>Facility-Wide Requirements .....</b>	<b>15</b>
3.1.	Limitations and Standards.....	15
3.2.	Monitoring Requirements .....	16
3.3.	Testing Requirements .....	16
3.4.	Recordkeeping Requirements .....	17
3.5.	Reporting Requirements .....	18
3.6.	Compliance Plan .....	<a href="#">19</a> <a href="#">20</a>
3.7.	Permit Shield .....	20
<b>4.0.</b>	<b>Landfill Requirements .....</b>	<b>21</b>
4.1.	Limitations and Standards.....	21
4.2.	Monitoring Requirements .....	22
4.3.	Testing Requirements .....	22
4.4.	Recordkeeping Requirements .....	22
4.5.	Reporting Requirements .....	23
4.6.	Compliance Plan .....	24

<b>5.0. Tub Grinder and Associated Equipment Requirements.....</b>	<b>25</b>
5.1. Limitations and Standards.....	25
5.2. Monitoring Requirements .....	<del>27</del> <a href="#">25</a>
5.3. Testing Requirements .....	<del>27</del> <a href="#">26</a>
5.4. Recordkeeping Requirements .....	<del>27</del> <a href="#">26</a>
5.5. Reporting Requirements .....	<del>28</del> <a href="#">27</a>
5.6. Compliance Plan .....	<del>28</del> <a href="#">27</a>

**Emission Units**

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed or Modified	Design Capacity	Control Device
<b>Landfill</b>					
01-C1	E001	Phase 1 Area – Inactive	1991	931,000 Mg	None
01-C2	E001	North Slope Area – Closed and Capped	1975	185,250 Mg	None
01-C3	E001	Central Area – Closed and Capped	1975	775,730 Mg	None
01-C4	E001	West Slope Area – Closed and Capped	1975	354,880 Mg	None
01-A1	E001	Phase 2 Area – Active	1996	500,000 Mg	None
01-F1	E001	Phase 2 ( Remaining ) – Future Area	Proposed	1,620,000 Mg	None
<a href="#">LGF-1</a>	<a href="#">LGF-1</a>	<a href="#">Landfill Gas Flare</a>	<a href="#">2010</a>	<a href="#">3,000 cfm</a>	<a href="#">None</a>
<b>Miscellaneous</b>					
<a href="#">S1</a>	<a href="#">S1</a>	<a href="#">600 hp Diesel Motor</a>	<a href="#">2004</a>	<a href="#">600 hp</a>	<a href="#">None</a>
<a href="#">S2</a>	<a href="#">S2</a>	<a href="#">190 hp Diesel Motor</a>	<a href="#">2004</a>	<a href="#">190 hp</a>	<a href="#">None</a>
<a href="#">S3</a>	<a href="#">S3</a>	<a href="#">Tub Grinder</a>	<a href="#">2004</a>	<a href="#">20 tph</a>	<a href="#">Water spray</a>
1-A	1-A	Diesel fuel storage tank		10,000 gal	None
1-B	1-B	Diesel fuel storage tank		6,000 gal	None
2	2	Gasoline storage tank		1,000 gal	None
<a href="#">3a</a>	<a href="#">3a</a>	<a href="#">Oil/water storage tank</a>	<a href="#">1993</a>	<a href="#">1,000 gal</a>	<a href="#">None</a>
<a href="#">3b</a>	<a href="#">3b</a>		<a href="#">2003</a>	<a href="#">1,000 gal</a>	
<a href="#">4-A</a>	<a href="#">4-A</a>	<a href="#">Waste oil storage tank</a>	<a href="#">1993</a>	<a href="#">2,000 gal</a>	<a href="#">None</a>
<a href="#">4-B1</a>	<a href="#">4-B1</a>	<a href="#">Lubricant tank</a>	<a href="#">1993</a>	<a href="#">500 gal</a>	<a href="#">None</a>
<a href="#">4-B2</a>	<a href="#">4-B2</a>	<a href="#">Lubricant tank</a>	<a href="#">1993</a>	<a href="#">500 gal</a>	<a href="#">None</a>
<a href="#">4-B3</a>	<a href="#">4-B3</a>	<a href="#">Lubricant tank</a>	<a href="#">1993</a>	<a href="#">275 gal</a>	<a href="#">None</a>
<a href="#">4-B4</a>	<a href="#">4-B4</a>	<a href="#">Lubricant tank</a>	<a href="#">1993</a>	<a href="#">275 gal</a>	<a href="#">None</a>
6	6	Leachate	1995	2,250 gal	None
7	7	Leachate	1993	2,250 gal	None
8	8	Leachate	1995	2,250 gal	None
9	9	Waste oil	1992	1,200 gal	None
<del>14A1-14A4</del>	<del>14A1-14A4</del>	<del>Lube Oil</del> <del>4 300-gallon Tanks on Mobile Fuel Truck</del>	<del>1992</del>	<del>300 gal</del>	<del>None</del>
<del>14B</del>	<del>14B</del>	<del>Diesel fuel</del>	<del>1992</del>	<del>800 gal</del>	<del>None</del>
<del>12A, B, C</del>	<del>12A, B, C</del>	<del>Water from Tire Wash</del>	<del>1996</del>	<del>3,700 Gal</del>	<del>None</del>
<a href="#">3</a>	<a href="#">3</a>	<a href="#">Oil/Water Separator</a>	<a href="#">2003</a>	<a href="#">800 gal</a>	<a href="#">None</a>
<a href="#">4-A</a>	<a href="#">4-A</a>	<a href="#">Used Oil Tank</a>	<a href="#">1993</a>	<a href="#">2,000 gal</a>	<a href="#">None</a>
<a href="#">4-B</a>	<a href="#">4-B</a>	<a href="#">Lubricant Tank</a>	<a href="#">1993</a>	<a href="#">500 gal</a>	<a href="#">None</a>
<a href="#">4-C</a>	<a href="#">4-C</a>	<a href="#">Hydraulic Fluid Tank</a>	<a href="#">1993</a>	<a href="#">500 gal</a>	<a href="#">None</a>
<a href="#">4-D</a>	<a href="#">4-D</a>	<a href="#">Lubricant Tank</a>	<a href="#">1993</a>	<a href="#">275 gal</a>	<a href="#">None</a>
<a href="#">4-E</a>	<a href="#">4-E</a>	<a href="#">Hydraulic Fluid Tank</a>	<a href="#">1993</a>	<a href="#">275 gal</a>	<a href="#">None</a>
<a href="#">5-A</a>	<a href="#">5-A</a>	<a href="#">Antifreeze</a>	<a href="#">2010</a>	<a href="#">6-55 gal drums</a>	<a href="#">None</a>
<a href="#">5-B</a>	<a href="#">5-B</a>	<a href="#">Hydraulic Oil</a>	<a href="#">2010</a>	<a href="#">1-55 gal drum</a>	<a href="#">None</a>

<b>Emission Unit ID</b>	<b>Emission Point ID</b>	<b>Emission Unit Description</b>	<b>Year Installed or Modified</b>	<b>Design Capacity</b>	<b>Control Device</b>
<a href="#">6-A, 6-B</a>	<a href="#">6-A, 6-B</a>	<a href="#">Mobile Fuel Tank</a>	<a href="#">1992</a>	<a href="#">1-800 gal diesel tank</a>	<a href="#">None</a>
				<a href="#">1-275 gal engine oil tank</a>	
				<a href="#">1-275 gal hydraulic oil tank</a>	
				<a href="#">1-275 gal antifreeze tank</a>	
<a href="#">7</a>	<a href="#">7</a>	<a href="#">Truck Wash</a>	<a href="#">1996</a>	<a href="#">2-1,600 gal sumps</a>	<a href="#">None</a>
				<a href="#">1-500 gal sump</a>	
				<a href="#">1-200 gal fuel tank</a>	
<a href="#">8</a>	<a href="#">8</a>	<a href="#">Leachate Sump</a>	<a href="#">1995</a>	<a href="#">2,250 gal</a>	<a href="#">None</a>
<a href="#">9</a>	<a href="#">9</a>	<a href="#">Leachate Sump</a>	<a href="#">1995</a>	<a href="#">280 gal</a>	<a href="#">None</a>
<a href="#">10</a>	<a href="#">10</a>	<a href="#">Leachate Sump</a>	<a href="#">1995</a>	<a href="#">2,250 gal</a>	<a href="#">None</a>
<a href="#">12-A</a>	<a href="#">12-A</a>	<a href="#">Leachate Pond No. 1</a>	<a href="#">1991</a>	<a href="#">750,000 gal</a>	<a href="#">None</a>
<a href="#">12-B</a>	<a href="#">12-B</a>	<a href="#">Leachate Pond No. 2</a>	<a href="#">2009</a>	<a href="#">500,000 gal</a>	<a href="#">None</a>

## 2.0. General Conditions

### 2.1. Definitions

- 2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.
- 2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.
- 2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45CSR§30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

### 2.2. Acronyms

<b>CAAA</b>	Clean Air Act Amendments	<b>NSPS</b>	New Source
<b>CBI</b>	Confidential Business Information		Performance Standards
<b>CEM</b>	Continuous Emission Monitor	<b>PM</b>	Particulate Matter
<b>CES</b>	Certified Emission Statement	<b>PM<sub>10</sub></b>	Particulate Matter less than 10µm in diameter
<b>C.F.R. or CFR</b>	Code of Federal Regulations		
<b>CO</b>	Carbon Monoxide	<b>pph</b>	Pounds per Hour
<b>C.S.R. or CSR</b>	Codes of State Rules	<b>ppm</b>	Parts per Million
<b>DAQ</b>	Division of Air Quality	<b>PSD</b>	Prevention of Significant Deterioration
<b>DEP</b>	Department of Environmental Protection	<b>psi</b>	Pounds per Square Inch
<b>FOIA</b>	Freedom of Information Act	<b>SIC</b>	Standard Industrial Classification
<b>HAP</b>	Hazardous Air Pollutant		
<b>HON</b>	Hazardous Organic NESHAP	<b>SIP</b>	State Implementation Plan
<b>HP</b>	Horsepower		
<b>lbs/hr or LB/hr</b>	Pounds per Hour	<b>SO<sub>2</sub></b>	Sulfur Dioxide
<b>LDAR</b>	Leak Detection and Repair	<b>TAP</b>	Toxic Air Pollutant
<b>M</b>	Thousand	<b>TPY</b>	Tons per Year
<b>MACT</b>	Maximum Achievable Control Technology	<b>TRS</b>	Total Reduced Sulfur
		<b>TSP</b>	Total Suspended Particulate
<b>MM</b>	Million		
<b>MMBtu/hr or mmbtu/hr</b>	Million British Thermal Units per Hour	<b>USEPA</b>	United States Environmental Protection Agency
<b>MMCF/hr or mmcf/hr</b>	Million Cubic Feet Burned per Hour		
<b>NA</b>	Not Applicable	<b>UTM</b>	Universal Transverse Mercator
<b>NAAQS</b>	National Ambient Air Quality Standards	<b>VEE</b>	Visual Emissions Evaluation
<b>NESHAPS</b>	National Emissions Standards for Hazardous Air Pollutants	<b>VOC</b>	Volatile Organic Compounds
<b>NO<sub>x</sub></b>	Nitrogen Oxides		

### **2.3. Permit Expiration and Renewal**

- 2.3.1. Permit duration. This permit is issued for a fixed term of five (5) years and shall expire on the date specified on the cover of this permit, except as provided in 45CSR§30-6.3.b. and 45CSR§30-6.3.c.  
**[45CSR§30-5.1.b.]**
- 2.3.2. A permit renewal application is timely if it is submitted at least six (6) months prior to the date of permit expiration.  
**[45CSR§30-4.1.a.3.]**
- 2.3.3. Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with 45CSR§30-6.2. and 45CSR§30-4.1.a.3.  
**[45CSR§30-6.3.b.]**
- 2.3.4. If the Secretary fails to take final action to deny or approve a timely and complete permit application before the end of the term of the previous permit, the permit shall not expire until the renewal permit has been issued or denied, and any permit shield granted for the permit shall continue in effect during that time.  
**[45CSR§30-6.3.c.]**

### **2.4. Permit Actions**

- 2.4.1. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.  
**[45CSR§30-5.1.f.3.]**

### **2.5. Reopening for Cause**

- 2.5.1. This permit shall be reopened and revised under any of the following circumstances:
- a. Additional applicable requirements under the Clean Air Act or the Secretary's legislative rules become applicable to a major source with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (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 45CSR§§30-6.6.a.1.A. or B.
  - b. Additional requirements (including excess emissions requirements) become applicable to an affected source under Title IV of the Clean Air Act (Acid Deposition Control) or other legislative rules of the Secretary. Upon approval by U.S. EPA, excess emissions offset plans shall be incorporated into the permit.
  - c. The Secretary or U.S. EPA 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.
  - d. The Secretary or U.S. EPA determines that the permit must be revised or revoked and reissued to assure compliance with the applicable requirements.

**[45CSR§30-6.6.a.]**

## **2.6. Administrative Permit Amendments**

- 2.6.1. The permittee may request an administrative permit amendment as defined in and according to the procedures specified in 45CSR§30-6.4.  
**[45CSR§30-6.4.]**

## **2.7. Minor Permit Modifications**

- 2.7.1. The permittee may request a minor permit modification as defined in and according to the procedures specified in 45CSR§30-6.5.a.  
**[45CSR§30-6.5.a.]**

## **2.8. Significant Permit Modification**

- 2.8.1. The permittee may request a significant permit modification, in accordance with 45CSR§30-6.5.b., for permit modifications that do not qualify for minor permit modifications or as administrative amendments.  
**[45CSR§30-6.5.b.]**

## **2.9. Emissions Trading**

- 2.9.1. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit and that are in accordance with all applicable requirements.  
**[45CSR§30-5.1.h.]**

## **2.10. Off-Permit Changes**

- 2.10.1. Except as provided below, a facility may make any change in its operations or emissions that is not addressed nor prohibited in its permit and which is not considered to be construction nor modification under any rule promulgated by the Secretary without obtaining an amendment or modification of its permit. Such changes shall be subject to the following requirements and restrictions:
- a. The change must meet all applicable requirements and may not violate any existing permit term or condition.
  - b. The permittee must provide a written notice of the change to the Secretary and to U.S. EPA within two (2) business days following the date of the change. Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.
  - c. The change shall not qualify for the permit shield.
  - d. The permittee shall keep records describing all changes made at the source that result in emissions of regulated air pollutants, but not otherwise regulated under the permit, and the emissions resulting from those changes.
  - e. No permittee may make any change subject to any requirement under Title IV of the Clean Air Act (Acid Deposition Control) pursuant to the provisions of 45CSR§30-5.9.

- f. No permittee may make any changes which would require preconstruction review under any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) pursuant to the provisions of 45CSR§30-5.9.

**[45CSR§30-5.9.]**

## **2.11. Operational Flexibility**

- 2.11.1. The permittee may make changes within the facility as provided by § 502(b)(10) of the Clean Air Act. Such operational flexibility shall be provided in the permit in conformance with the permit application and applicable requirements. No such changes shall be a modification under any rule or any provision of Title I of the Clean Air Act (including 45CSR14 and 45CSR19) promulgated by the Secretary in accordance with Title I of the Clean Air Act and the change shall not result in a level of emissions exceeding the emissions allowable under the permit.

**[45CSR§30-5.8]**

- 2.11.2. Before making a change under 45CSR§30-5.8., the permittee shall provide advance written notice to the Secretary and to U.S. EPA, describing the change to be made, the date on which the change will occur, any changes in emissions, and any permit terms and conditions that are affected. The permittee shall thereafter maintain a copy of the notice with the permit, and the Secretary shall place a copy with the permit in the public file. The written notice shall be provided to the Secretary and U.S. EPA at least seven (7) days prior to the date that the change is to be made, except that this period may be shortened or eliminated as necessary for a change that must be implemented more quickly to address unanticipated conditions posing a significant health, safety, or environmental hazard. If less than seven (7) days notice is provided because of a need to respond more quickly to such unanticipated conditions, the permittee shall provide notice to the Secretary and U.S. EPA as soon as possible after learning of the need to make the change.

**[45CSR§30-5.8.a.]**

- 2.11.3. The permit shield shall not apply to changes made under 45CSR§30-5.8., except those provided for in 45CSR§30-5.8.d. However, the protection of the permit shield will continue to apply to operations and emissions that are not affected by the change, provided that the permittee complies with the terms and conditions of the permit applicable to such operations and emissions. The permit shield may be reinstated for emissions and operations affected by the change:

- a. If subsequent changes cause the facility's operations and emissions to revert to those authorized in the permit and the permittee resumes compliance with the terms and conditions of the permit, or
- b. If the permittee obtains final approval of a significant modification to the permit to incorporate the change in the permit.

**[45CSR§30-5.8.c.]**

- 2.11.4. "Section 502(b)(10) changes" are changes that contravene an express permit term. Such changes do not include changes that would violate applicable requirements or contravene enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.

**[45CSR§30-2.39]**

## **2.12. Reasonably Anticipated Operating Scenarios**

- 2.12.1. The following are terms and conditions for reasonably anticipated operating scenarios identified in this permit.
- a. Contemporaneously with making a change from one operating scenario to another, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating and to document the change in reports submitted pursuant to the terms of this permit and 45CSR30.
  - b. The permit shield shall extend to all terms and conditions under each such operating scenario; and
  - c. The terms and conditions of each such alternative scenario shall meet all applicable requirements and the requirements of 45CSR30.

[45CSR§30-5.1.i.]

## **2.13. Duty to Comply**

- 2.13.1. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

[45CSR§30-5.1.f.1.]

## **2.14. Inspection and Entry**

- 2.14.1. The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:
- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
  - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
  - c. Inspect at reasonable times (including all times in which the facility is in operation) 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 to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

[45CSR§30-5.3.b.]

## **2.15. Schedule of Compliance**

- 2.15.1. For sources subject to a compliance schedule, certified progress reports shall be submitted consistent with the applicable schedule of compliance set forth in this permit and 45CSR§30-4.3.h., but at least every six (6) months, and no greater than once a month, and shall include the following:
- a. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
  - b. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measure adopted.

**[45CSR§30-5.3.d.]**

## **2.16. Need to Halt or Reduce Activity not a Defense**

- 2.16.1. 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. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.

**[45CSR§30-5.1.f.2.]**

## **2.17. Emergency**

- 2.17.1. An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

**[45CSR§30-5.7.a.]**

- 2.17.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of 45CSR§30-5.7.c. are met.

**[45CSR§30-5.7.b.]**

- 2.17.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
- b. The permitted facility was at the time being properly operated;
- c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

- d. Subject to the requirements of 45CSR§30-5.1.c.3.C.1, the permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice, report, and variance request fulfills the requirement of 45CSR§30-5.1.c.3.B. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

**[45CSR§30-5.7.c.]**

- 2.17.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

**[45CSR§30-5.7.d.]**

- 2.17.5. This provision is in addition to any emergency or upset provision contained in any applicable requirement.

**[45CSR§30-5.7.e.]**

## **2.18. Federally-Enforceable Requirements**

- 2.18.1. All terms and conditions in this permit, including any provisions designed to limit a source's potential to emit and excepting those provisions that are specifically designated in the permit as "State-enforceable only", are enforceable by the Secretary, USEPA, and citizens under the Clean Air Act.

**[45CSR§30-5.2.a.]**

- 2.18.2. Those provisions specifically designated in the permit as "State-enforceable only" shall become "Federally-enforceable" requirements upon SIP approval by the USEPA.

## **2.19. Duty to Provide Information**

- 2.19.1. The permittee shall furnish to the Secretary within a reasonable time any information the Secretary 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 Secretary copies of records required to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.

**[45CSR§30-5.1.f.5.]**

## **2.20. Duty to Supplement and Correct Information**

- 2.20.1. Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

**[45CSR§30-4.2.]**

## **2.21. Permit Shield**

2.21.1. Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in this permit or the Secretary has determined that other requirements specifically identified are not applicable to the source and this permit includes such a determination or a concise summary thereof.

**[45CSR§30-5.6.a.]**

2.21.2. Nothing in this permit shall alter or affect the following:

- a. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance; or
- b. The applicable requirements of the Code of West Virginia and Title IV of the Clean Air Act (Acid Deposition Control), consistent with § 408 (a) of the Clean Air Act.
- c. The authority of the Administrator of U.S. EPA to require information under § 114 of the Clean Air Act or to issue emergency orders under § 303 of the Clean Air Act.

**[45CSR§30-5.6.c.]**

## **2.22. Credible Evidence**

2.22.1. Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee including but not limited to any challenge to the credible evidence rule in the context of any future proceeding.

**[45CSR§30-5.3.e.3.B. and 45CSR38]**

## **2.23. Severability**

2.23.1. The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid by a court of competent jurisdiction, the remaining permit terms and conditions or their application to other circumstances shall remain in full force and effect.

**[45CSR§30-5.1.e.]**

## **2.24. Property Rights**

2.24.1. This permit does not convey any property rights of any sort or any exclusive privilege.

**[45CSR§30-5.1.f.4]**

## **2.25. Acid Deposition Control**

- 2.25.1. Emissions shall not exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act (Acid Deposition Control) or rules of the Secretary promulgated thereunder.
- a. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid deposition control program, provided that such increases do not require a permit revision under any other applicable requirement.
  - b. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement.
  - c. Any such allowance shall be accounted for according to the procedures established in rules promulgated under Title IV of the Clean Air Act.

### **[45CSR§30-5.1.d.]**

- 2.25.2. Where applicable requirements of the Clean Air Act are more stringent than any applicable requirement of regulations promulgated under Title IV of the Clean Air Act (Acid Deposition Control), both provisions shall be incorporated into the permit and shall be enforceable by the Secretary and U. S. EPA.

### **[45CSR§30-5.1.a.2.]**

### 3.0. Facility-Wide Requirements

#### 3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.  
**[45CSR§6-3.1.]**
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.  
**[45CSR§6-3.2.]**
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). A copy of this notice is required to be sent to the USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health.  
**[40 C.F.R. 61 and 45CSR15]**
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.  
**[45CSR§4-3.1 State-Enforceable only.]**
- 3.1.5. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.  
**[45CSR§11-5.2]**
- 3.1.6. **Emission inventory.** The permittee is responsible for submitting, on an annual basis, an emission inventory in accordance with the submittal requirements of the Division of Air Quality.  
**[W.Va. Code § 22-5-4 (a) (14)]**
- 3.1.7. **Ozone-depleting substances.** For those facilities performing maintenance, service, repair or disposal of appliances, the permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 C.F.R. Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the prohibitions and required practices pursuant to 40 C.F.R. §§ 82.154 and 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 C.F.R. § 82.158.

- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 C.F.R. § 82.161.

**[40 C.F.R. 82, Subpart F]**

- 3.1.8. **Risk Management Plan.** Should this stationary source, as defined in 40 C.F.R. § 68.3, become subject to Part 68, then the owner or operator shall submit a risk management plan (RMP) by the date specified in 40 C.F.R. § 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 C.F.R. Part 70 or 71.

**[40 C.F.R. 68]**

- 3.1.9. No person shall cause, suffer, allow or permit fugitive particulate matter to be discharged beyond the boundary lines of the property on which the discharge originates or at any public or residential location, which causes or contributes to statutory air pollution.

**[45CSR§17-3.1.]**

- 3.1.10 When emissions on an annual basis of one or more of the greenhouse gases listed below are greater than the *de minimis* amounts listed below, all greenhouse gases emitted above the *de minimis* amounts shall be reported to the Secretary under 45CSR§42-4. (see Section 3.5.):

<u>Greenhouse Gas Compound</u>	<u>tons/year</u>
<u>carbon dioxide</u>	<u>10,000</u>
<u>methane</u>	<u>476</u>
<u>nitrous oxide</u>	<u>32.6</u>
<u>hydrofluorocarbons</u>	<u>0.855</u>
<u>perfluorocarbons</u>	<u>1.09</u>
<u>sulfur hexafluoride</u>	<u>0.42</u>

**[45CSR§42-3.1., State-Enforceable only.]**

**3.2. Monitoring Requirements**

- 3.2.1. *Reserved*

**3.3. Testing Requirements**

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63, if applicable, in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable.
- b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit.
- c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.

[WV Code § 22-5-4 (a) (15), 45CSR13]

### 3.4. Recordkeeping Requirements

- 3.4.1. **Monitoring information.** The permittee shall keep records of monitoring information that include the following:
  - a. The date, place as defined in this 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 the analyses; and
  - f. The operating conditions existing at the time of sampling or measurement.

[\[45CSR13, R13-2592B, 4.4.1.; 45CSR§30-5.1.c.2.A.\]](#)

- 3.4.2. **Retention of records.** The permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of monitoring sample, measurement, report, application, or record creation date. 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. Where appropriate, records may be maintained in computerized form in lieu of the above records.

**[45CSR§30-5.1.c.2.B.]**

- 3.4.3. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.

**[45CSR§30-5.1.c. State-Enforceable only.]**

- ~~3.4.4. The permittee shall maintain daily records indicating the use of any dust suppressants or any other suitable dust control measures applied at the facility. These records shall be maintained on site for a period of no less than five (5) years.~~

~~**[45CSR13, R13-2592, B.7.]**~~

### 3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

**[45CSR§§30-4.4. and 5.1.c.3.D.]**

- 3.5.2. A permittee may request confidential treatment for the submission of reporting required under 45CSR§30-5.1.c.3 pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.

**[45CSR§30-5.1.c.3.E.]**

- 3.5.3. Except for the electronic submittal of the annual certification to the USEPA as required in 3.5.5 below, aAll notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, mailed first class or by private carrier with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

**If to the DAQ:**

Director  
WVDEP  
Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
  
Phone: 304/926-0475  
FAX: 304/926-0478

**If to the US EPA:**

Associate Director  
Office of Enforcement and Permits Review  
(3AP12)  
U. S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

- 3.5.4. **Certified emissions statement.** The permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality.

**[45CSR§30-8.]**

- 3.5.5. **Compliance certification.** ~~The permittee shall certify compliance with the conditions of this permit on the forms provided by the DAQ. In addition to the annual compliance certification, the permittee may be required to submit certifications more frequently under an applicable requirement of this permit. The annual certification shall be submitted to the DAQ and USEPA on or before March 15 of each year, and shall certify compliance for the period ending December 31. The permittee shall maintain a copy of the certification on site for five (5) years from submittal of the certification.~~

~~[45CSR§30-5.3.e.]~~

Compliance certification. The permittee shall certify compliance with the conditions of this permit on the forms provided by the DAQ. In addition to the annual compliance certification, the permittee may be required to submit certifications more frequently under an applicable requirement of this permit. The annual certification shall be submitted to the DAQ and USEPA on or before March 15 of each year, and shall certify compliance for the period ending December 31. The annual certification to the USEPA shall be submitted in electronic format only. It shall be submitted by e-mail to the following address: [R3\\_APD\\_Permits@epa.gov](mailto:R3_APD_Permits@epa.gov). The permittee shall maintain a copy of the certification on site for five (5) years from submittal of the certification.

[45CSR§30-5.3.e.]

- 3.5.6. **Semi-annual monitoring reports.** The permittee shall submit reports of any required monitoring on or before September 15 for the reporting period January 1 to June 30 and on or before March 15 for the reporting period July 1 to December 31. All instances of deviation from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with 45CSR§30-4.4.

[45CSR§30-5.1.c.3.A.]

- 3.5.7. **Emergencies.** For reporting emergency situations, refer to Section 2.17 of this permit.

- 3.5.8. **Deviations.**

- a. In addition to monitoring reports required by this permit, the permittee shall promptly submit supplemental reports and notices in accordance with the following:

1. Any deviation resulting from an emergency or upset condition, as defined in 45CSR§30-5.7., shall be reported by telephone or telefax within one (1) working day of the date on which the permittee becomes aware of the deviation, if the permittee desires to assert the affirmative defense in accordance with 45CSR§30-5.7. A written report of such deviation, which shall include the probable cause of such deviations, and any corrective actions or preventative measures taken, shall be submitted and certified by a responsible official within ten (10) days of the deviation.
2. Any deviation that poses an imminent and substantial danger to public health, safety, or the environment shall be reported to the Secretary immediately by telephone or telefax. A written report of such deviation, which shall include the probable cause of such deviation, and any corrective actions or preventative measures taken, shall be submitted by the responsible official within ten (10) days of the deviation.
3. Deviations for which more frequent reporting is required under this permit shall be reported on the more frequent basis.
4. All reports of deviations shall identify the probable cause of the deviation and any corrective actions or preventative measures taken.

**[45CSR§30-5.1.c.3.C.]**

- b. The permittee shall, in the reporting of deviations from permit requirements, including those attributable to upset conditions as defined in this permit, report the probable cause of such deviations and any corrective actions or preventive measures taken in accordance with any rules of the Secretary.

**[45CSR§30-5.1.c.3.B.]**

- 3.5.9. **New applicable requirements.** If any applicable requirement is promulgated during the term of this permit, the permittee will meet such requirements on a timely basis, or in accordance with a more detailed schedule if required by the applicable requirement.

**[45CSR§30-4.3.h.1.B.]**

- 3.5.10. **Greenhouse Gas Reporting Requirements.** When applicable, as determined in permit section 3.1., greenhouse gas emissions shall be reported pursuant to 45CSR§42-4. as follows:

- a. In accordance with a reporting cycle provided by the Secretary, affected sources shall report to the Secretary the quantity of all greenhouse gases emitted above *de minimis* amounts in the years specified by the Secretary.

**[45CSR§42-4.1., State-Enforceable only.]**

- b. Affected sources shall only be required to report annual quantities of anthropogenic non-mobile source greenhouse gases emitted at the stationary source, and shall not be required to report biogenic emissions of greenhouse gases.

**[45CSR§42-4.2., State-Enforceable only.]**

- c. Reports of greenhouse gas emissions submitted to the Secretary under 45CSR§42-4. shall be signed by a responsible official and shall include the following certification statement: "I, the undersigned, hereby certify that the data transmitted to the West Virginia Department of Environmental Protection is true, accurate, and complete, based upon information and belief formed after reasonable inquiry.

**[45CSR§42-4.5., State-Enforceable only.]**

### 3.6. Compliance Plan

- 3.6.1. None

### 3.7. Permit Shield

- 3.7.1. The permittee is hereby granted a permit shield in accordance with 45CSR§30-5.6. The permit shield applies provided the permittee operates in accordance with the information contained within this permit.

- 3.7.2. The following requirements specifically identified are not applicable to the source based on the determinations set forth below. The permit shield shall apply to the following requirements provided the conditions of the determinations are met.

<b>40 CFR Part 60</b> <b>Subpart Kb</b> (July 23, 1984)	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels). The facility does not have a storage vessel subject to this part.
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<b>40 C.F.R. Part 64</b> (10/22/1997)	The facility does have a pollutant specific emissions unit with a control device to meet an applicable standard or limit. Therefore, the facility is not subject to the Compliance Assurance Monitoring (CAM) rule.
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#### 4.0. Source-Specific Requirements [Landfill Areas 001 (Active) and 003 (Future)]

##### 4.1. Limitations and Standards

4.1.1. **Requirements When Reported NMOC Emission Rate is  $\geq 50$  Mg/yr.** - If the reported nonmethane organic compounds (NMOC) emission rate, in the initial, annual or revised 5-year report, is equal to or exceeds 50 megagrams per year, the permittee shall:

- a. Submit a Landfill Gas (LFG) collection and control system design plan prepared by a professional engineer within 1 year of the NMOC emission report in compliance with 40 C.F.R. § 60.752 (b) (2), or
- b. Within 180 days of the emission rate report, demonstrate, using a site specific NMOC concentration (Tier 2), that NMOC emissions do not equal or exceed 50 megagrams per year, submit a revised NMOC emission rate report, resume annual NMOC emission rate reporting, and retest the site specific NMOC concentration every 5 years. This shall be completed in accordance with 40 C.F.R. § 60.754 (a) (3).

Reporting requirements shall be completed as stated in 4.5.1 through 4.5.4.

**[45CSR16, 45CSR23, 40 C.F.R. § 60.757, 40 C.F.R. § 60.754 (a) (3)]**

4.1.2. **Requirements When Reported NMOC Emission Rate is  $\geq 50$  Mg/yr. (when using site specific  $C_{\text{NMOC}}$ )** - If, using a site specific NMOC concentration, the NMOC emission rate is equal to or exceeds 50 megagrams per year, the permittee shall:

- a. Submit a Landfill Gas (LFG) collection and control system design plan prepared by a professional engineer within 1 year of the NMOC emission report in compliance with 40 C.F.R. § 60.752 (b) (2), or
- b. Within 1 year of the emission rate report, demonstrate using a site specific methane generation constant (Tier 3), that NMOC emissions do not equal or exceed 50 megagrams per year, submit a revised NMOC emission rate report and resume annual NMOC emission rate reporting. This shall be completed in accordance with 40 C.F.R. § 60.754 (a) (4).

Reporting requirements shall be completed as stated in 4.5.1 through 4.5.4.

**[45CSR16, 45CSR23, 40 C.F.R. § 60.757, 40 C.F.R. § 60.754 (a) (4)]**

4.1.3. Within 30 months of the first annual emission rate report in which the emission rate equals or exceeds 50 megagrams per year of NMOC and the permittee cannot demonstrate compliance with Tier 2 or Tier 3 calculations, the permittee shall install a landfill gas collection and control system which conforms to 40 C.F.R. § 60.759 and:

- a. Is designed to handle the maximum expected gas flow rate from the entire area of the landfill;
- b. Collects gas from each area, cell or group of cells in which initial solid waste has been in place for a period of:
  1. 5 years or more if active; or

2. 2 years or more if closed or at final grade;
- c. Operate the collection system with negative pressure at each wellhead except conditions identified under 40 C.F.R. § 50.753 (b).
- d. Operate each interior wellhead in the collection system with a landfill gas temperature less than 55°C and with either nitrogen level less than 20 percent or an oxygen level less than 5 percent. The owner or operator may establish higher value if they show supporting data that the elevated parameters does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.
- e. Collects gas at a sufficient extraction rate;
- f. Is designed to minimize off-site migration of subsurface gas;
- g. Reduces NMOC by 98 weight percent or for an enclosed combustion device, either reduces NMOC by 98 weight percent or reduces the outlet concentration to less than 20 ppmv, dry as hexane, at 3 percent oxygen;
- h. Maintains the methane concentration at the surface of the landfill at less than 500 ppmv above the background level.

**[45CSR16, 45CSR23, 40 C.F.R. § 60.752, 40 C.F.R. § 60.753]**

- 4.1.4. **LFG Collection and Control System Design Plan** - The landfill gas collection and control design plan shall be submitted to the Division of Air Quality within one year after submitting the NMOC emission rate report, reporting an NMOC emission rate which equals or exceed 50 megagrams per year.
  - a. If the permittee is required to install a gas collection and control system, the permittee shall apply for a Title V operating permit significant permit revision within 90 days of the date of the approval of the gas collection and control plan

**[45CSR16, 45CSR23, 40 C.F.R. § 60.757 (c)]**

## **4.2. Monitoring Requirements**

- 4.2.1. None

## **4.3. Testing Requirements**

- 4.3.1. None

## **4.4. Recordkeeping Requirements**

- 4.4.1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. These records shall include:
  - a. Current maximum design capacity, current amount of refuse in place, and year by year refuse accumulation rates.

- b. Description, location, amount, and placement date of all asbestos-containing or nondegradable waste excluded from gas collection as provided in 40 C.S.R. § 60.759 (a) (3) (i) as well as any non-productive areas excluded from collection as provided in 40 C.S.R. § 60.759 (a) (3) (ii).
- c. Installation date and location of all vents, wells and flares.

These records shall be available on site for inspection by the Division of Air Quality and shall be current for the most recent five (5) years.

[45CSR16, 45CSR23, 40 C.F.R. § 60.758]

#### 4.5. Reporting Requirements

- 4.5.1. **Annual NMOC Emission Report** - Not later than July 1 of each year, unless the permittee elects to submit a five-year NMOC emission rate report, the permittee must submit an annual NMOC emission rate report to the Division of Air Quality. The NMOC emission rate shall be calculated in accordance with the methodology contained in 40 C.F.R. §60.754 (a) (1). The report shall include all data, calculations, sample reports and measurements used to estimate the emissions.

[45CSR16, 45CSR23, 40 C.F.R § 60.757 (b)]

- 4.5.2. **5-year NMOC Report** - If the estimated NMOC emission rate, as presented in the annual report is less than 50 Mg/yr in each of the next five consecutive years following the initial NMOC report, the permittee may elect to submit an estimate of the NMOC emission rate for the next five year period in lieu of the annual report. The estimate shall include the following:

- a. Current amount of the solid waste in place, and
- b. The estimated waste acceptance rate for each year of the five years for which an NMOC emission rate is estimated.

The NMOC emission rate shall be calculated in accordance with the methodology contained in 40 C.F.R. §60.754 (a) (1). All data, calculations, sample reports and measurements upon which the estimate is based shall be presented with the report to the Division of Air Quality. The estimate shall be revised at least every five (5) years.

[45CSR16, 45CSR23, 40 C.F.R. § 60.757 (b) (1) (ii)]

- 4.5.3. **Revision of 5-year NMOC Report** - If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a revised 5-year estimate shall be submitted to the Division of Air Quality. The revised estimate shall cover the five year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate and shall be submitted within 180 days of the first exceedance of the estimated waste acceptance rate.

[45CSR16, 45CSR23, 40 C.F.R. § 60.757 (b) (1) (ii)]

- 4.5.4. **Closure Report** - The permittee shall submit a closure report to the Division of Air Quality within 30 days of the date the MSW landfill stopped accepting waste.

[45CSR16, 45CSR23, 40 C.F.R. § 60.758 and 40 C.F.R. § 60.757 (d)]

## **4.6. Compliance Plan**

4.6.1. None

**5.0 Source-Specific Requirements [~~Landfill Gas Flare (LGF-1) Tub Grinder (S3), 600 HP Diesel Motor (S1), and 190 HP Diesel Motor (S2)~~]**

**5.1. Limitations and Standards**

~~5.1.1. The throughput to the Tub Grinder (S3) shall not exceed 20 tons of wood materials per hour.  
 [45CSR13, R13-2592, A.1.]~~

~~5.1.2. The Tub Grinder internal combustion engine shall be a diesel-fired engine (S1) with a maximum rating of 600 (hp) horsepower.  
 [45CSR13, R13-2592, A.2.]~~

~~5.1.3. The Cherry Picker Loader internal combustion engine shall be a diesel-fired engine (S2) with a maximum rating of 190 (hp) horsepower.  
 [45CSR13, R13-2592, A.3.]~~

~~5.1.4. Maximum emissions to the atmosphere shall not exceed the limits set forth in the following table:~~

Emission Source	Pollutant	Maximum Hourly Emissions	Maximum Annual Emissions
		LB/hr	ton/year
600 hp Diesel Motor (S1)	Particulate Matter 10	1.32	5.79
	Nitrogen Oxides	18.60	81.47
	Sulfur Dioxide	1.23	5.39
	Carbon Monoxide	4.01	17.56
	Volatile Organic Compounds	1.51	6.61
190 hp Diesel Motor (S2)	Particulate Matter 10	0.42	1.83
	Nitrogen Oxides	5.88	25.73
	Sulfur Dioxide	0.39	1.71
	Carbon Monoxide	1.27	5.55
	Volatile Organic Compounds	0.48	2.09
Tub Grinder (S3)	Particulate Matter 10	0.25	1.10

~~Compliance with 45CSR§7-4.1 (Section 5.1.8.) will be shown by the more stringent requirements of Section 5.1.4.~~

~~[45CSR13, R13-2592, A.4.]~~

~~5.1.5. The permittee shall maintain and operate a water spray on the Tub Grinder (S3) as often as is necessary in order to minimize the atmospheric entrainment of fugitive particulate emissions that may be generated from the Tub Grinder (S3) and other work areas where mobile equipment is used.~~

~~The spray bar shall be equipped with commercially available spray nozzles, of sufficient size and number, so as to provide adequate coverage to the surface being treated.~~

~~The pump delivering the water, or solution, shall be of sufficient size and capacity so as to be capable of delivering to the spray nozzle(s) an adequate quantity of water, or solution, and at a sufficient pressure.~~

~~[45CSR13, R13-2592, A.5.]~~

~~5.1.6. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any process source operation which is greater than twenty (20) percent opacity, except as noted in subsections 45CSR§7-3.2 (See Section 5.1.8), 3.3, 3.4, 3.5, 3.6, and 3.7 (See Section 5.1.9).~~

~~[45CSR§7-3.1., 45CSR13, R13-2592, B.1 and B.2.]~~

~~5.1.7. The provisions of Section 5.1.6 [45CSR§7-3.1.] shall not apply to smoke and/or particulate matter emitted from any process source operation which is less than forty (40) percent opacity for any period or periods aggregating no more than five (5) minutes in any sixty (60) minute period.~~

~~[45CSR§7-3.2.]~~

~~5.1.8. No person shall cause, suffer, allow or permit particulate matter to be vented into the open air from any type source operation or duplicate source operation, or from all air pollution control equipment installed on any type source operation or duplicate source operation in excess of the quantity specified under the appropriate source operation type in Table 45-7A of 45CSR7. Following table list the equipment with their allowable stack emission rates:~~

Stack Emission Sources		Allowable Stack Emission Rate
Source	Emission Point ID	LB-PM/hr
Tub Grinder	S3	28

~~[45CSR§7-4.1., 45CSR13, R13-2592, B.1.]~~

~~5.1.9. Any stack serving any process source operation or air pollution control equipment on any process source operation shall contain flow straightening devices or a vertical run of sufficient length to establish flow patterns consistent with acceptable stack sampling procedures.~~

~~[45CSR§7-4.12.]~~

~~5.1.10. The owner or operator of a plant shall maintain dust control of the plant premises, and plant owned, leased or controlled access roads, by paving, application of asphalt, chemical dust suppressants or other suitable dust control measures. Good operating practices shall be implemented and when necessary dust suppressants shall be applied in relation to stockpiling and general material handling to prevent dust generation and atmospheric entrainment.~~

~~[45CSR§7-5.2., 45CSR13, R13-2592, B.1.]~~

~~5.1.11. Due to unavoidable malfunction of equipment, emissions exceeding those set forth in 45CSR7 may be permitted by the Director for periods not to exceed ten (10) days upon specific application to the Director. Such application shall be made within twenty four (24) hours of the malfunction. In cases of major equipment failure, additional time periods may be granted by the Director provided a corrective program has been submitted by the owner or operator and approved by the Director.~~

~~[45CSR§7-9.1., 45CSR13, R13-2592, B.1.]~~

~~5.1.12. Maintenance operations (as defined in 45CSR7) shall be exempt from the provisions of 45CSR§7-4 provided that at all times the owner or operator shall conduct maintenance operations in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director, which may~~

~~include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures and inspection of the source.~~

~~[45CSR§7-10.3., 45CSR13, R13-2592, B.1.]~~

~~5.1.13. The permitted facility shall be constructed and operated in accordance with information filed in Permit Application R13-2592 and any amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.~~

~~[45CSR13, R13-2592, C.3.]~~

5.1.1. The active landfill gas collection system and non-assisted flare identified as LGF-1 shall be installed, operated and maintained in accordance with the following:

- a. Emissions from LGF-1 shall not exceed the any of the limits listed in Table 5.1.1.a.:

<u>Pollutant</u>	<u>Emission Rate</u>	
	<u>lb/hr</u>	<u>TPY</u>
<u>PM/PM<sub>10</sub>/PM<sub>2.5</sub></u>	<u>1.53<sup>1</sup></u>	<u>6.7</u>
<u>SO<sub>2</sub></u>	<u>1.49</u>	<u>6.5</u>
<u>NO<sub>x</sub></u>	<u>6.20</u>	<u>27.2</u>
<u>CO</u>	<u>33.73</u>	<u>147.8</u>
<u>VOCs</u>	<u>0.48</u>	<u>2.1</u>
<u>HCl</u>	<u>1.26</u>	<u>5.5</u>

<sup>1</sup>Compliance with this PM emission limit ensures compliance with the less stringent limit in 45CSR§6-4.1.

- b. The annual amount of landfill gas flared by LGF-1 shall not exceed 1,576.8 MMscf per year;
- c. The permittee shall install and maintain a device/system that continuously measures and records the total amount of landfill gas routed to the flare at all times;
- d. The flare shall be operated with a flame present at all times while landfill gas is routed to the flare. The presence of a flare pilot light or flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame;
- e. The gas collection system and flare shall be designed and installed in accordance with “Good Engineering Practices” ; and
- f. The LGF-1 flare shall be operated with no visible emissions, except for periods not to exceed a total of five minutes during any two consecutive hours. Compliance with this limit will ensure compliance with the less stringent limit in 45CSR§6-4.3.

[45CSR13, R13-2592B, 4.1.1.]

## 5.2. Monitoring Requirements

~~5.2.1. Except during startup and shutdown, opacity from the 600 hp Diesel Motor (S1), 190 hp Diesel Motor (S2), and Tub Grinder (S3) shall not exceed 10-20 percent. In order to determine compliance with this limit the permittee shall conduct monthly visual emission observations in accordance with Method 22 of 40 C.F.R. Part 60, Appendix A for the 600 hp Diesel Motor (S1), 190 hp Diesel Motor (S2), and Tub Grinder (S3). These observations shall be conducted during periods of normal facility operation for a sufficient time interval to determine if the unit has visible emissions using procedures outlined in 40 C.F.R. Part 60 Appendix A, Method 22. If sources of visible emissions are identified during the survey, the permittee shall conduct an opacity evaluation in accordance with 45CSR7A, within 24 hours. A 45CSR7A evaluation shall not be required if the visible emission condition is corrected within 24 hours and the units are operated at normal operating conditions with no visible emissions being observed. Records shall be maintained on site reporting the results of each test. [45CSR13, R13-2592, A.6.]~~

5.2.1. For the purpose of determining compliance with the visible emissions limits of 5.1.1.f. , the permittee shall conduct visible emission checks of the LGF-1 flare within 60 days after start-up of the flare in accordance with this condition. The visible emission check shall determine the presence or absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40 C.F.R. Part 60, Appendix A, Method 22 or from the lecture portion of the 40 C.F.R. Part 60, Appendix A, Method 9 certification course.

Visible emission checks shall be conducted at least once per calendar month with a maximum of forty-five (45) days between consecutive readings. These checks shall be performed at each source flare for a sufficient time interval, but no less than one (1) minute, to determine if any visible emissions are present. Visible emission checks shall be performed during periods of normal facility operation and appropriate weather conditions

If visible emissions are present at a source(s) for three (3) consecutive monthly checks, the permittee shall conduct an opacity reading at that source(s) using the procedures and requirements of Method 9 as soon as practicable, but within seventy-two (72) hours of the final visual emission check. A Method 9 observation at a source(s) restarts the count of the number of consecutive readings with the presence of visible emissions. [45CSR13, R13-2592B, 4.2.1.]

5.2.2. In order to demonstrate compliance with the continuous flame requirements of 5.1.1.d., the permittee shall monitor the presence or absence of a flame using a thermocouple or any other equivalent device. [45CSR13, R13-2592B, 4.2.2.]

5.2.3. The permittee shall record the total amount of landfill gas routed to LGF-1 on a monthly basis and determine the 12-month rolling total to demonstrate compliance with the limits set forth in 5.1.1.b. and to determine actual emissions. Records of such monitoring shall be maintained in accordance with 3.4.2. of this permit. [45CSR13, R13-2592B, 4.2.3.]

## 5.3. Testing Requirements

5.3.1. [Reserved] At such reasonable times as the Director may designate, the operator of any manufacturing process source operation may be required to conduct or have conducted stack tests to determine the particulate matter loading in exhaust gases. Such tests shall be conducted in such manner as the Director may specify and be filed on forms and in a manner acceptable to the Director. The Director, or his duly authorized representative, may at his option witness or conduct such stack tests. Should the Director exercise his option to conduct such tests, the operator will provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment and the required safety equipment such as scaffolding,

~~railings and ladders to comply with generally accepted good safety practices.  
[45CSR§7-8.1., 45CSR13, R13-2592, B.1.]~~

- ~~5.3.2. The Director, or his duly authorized representative, may conduct such other tests as he or she may deem necessary to evaluate air pollution emissions.  
[45CSR§7-8.2., 45CSR13, R13-2592, B.1.]~~

#### 5.4. Recordkeeping Requirements

- ~~5.4.1. For the purpose of determining compliance with Sections 5.1.1 and 5.1.4, the permittee shall keep monthly reports of daily records of the amount of wood entering the Tub Grinder (S3). These records shall be maintained on site for a period of five (5) years and certified records shall be made available to the Director of the Division of Air Quality or his/her duly authorized representative upon request.  
[45CSR13, R13-2592, B.3.]~~
- ~~5.4.2. For the purpose of determining compliance with the emission limits in Section 5.1.4 for the 600 hp Diesel Motor (S1) and 190 hp Diesel Motor (S2) as described in Sections 5.1.2 and 5.1.3, the permittee shall maintain daily records of the diesel fuel consumed and hours of operation for the 600 hp Diesel Motor (S1) and 190 hp Diesel Motor (S2). These records shall be maintained on site for a period of not less than five (5) years and certified records shall be made available to the Director or a duly authorized representative of the Director upon request.  
[45CSR13, R13-2592, B.4.]~~
- ~~5.4.3. The permittee shall inspect all fugitive dust control systems weekly to ensure that they are operated and maintained in conformance with their designs. The permittee shall maintain records of all scheduled and non-scheduled maintenance. Records shall be maintained on site for a period of no less than five (5) years stating any maintenance or corrective actions taken as a result of the weekly inspections, and the times the fugitive dust control system(s) are inoperable and any corrective actions taken.  
[45CSR13, R13-2592, B.6.]~~
- 5.4.1. The permittee shall maintain records of all monitoring data required by 5.2.1., documenting the date and time of each visible emission check, the emission point or equipment/source identification number, the name or means of identification of the observer, the results of the check(s), whether the visible emissions are normal for the process, and, if applicable, all corrective measures taken or planned. The permittee shall also record the general weather conditions (i.e. sunny, approximately 80°F, 6 - 10 mph NE wind) during the visible emission check(s). An example form is supplied as Appendix A of this permit. For an emission unit out of service during the normal monthly evaluation, the record of observation may note "out of service" (O/S) or equivalent.  
[45CSR13, R13-2592B, 4.4.4.]
- 5.4.2. For the purpose of demonstrating compliance with section 5.1.1.d. and 5.2.2, the permittee shall maintain records of the times and duration of all periods which the flame was absent. This condition is only applicable to the active gas collection system flare identified as LGF-1. Said records shall be maintained in accordance with 3.4.2. of this permit.  
[45CSR13, R13-2592B, 4.4.5.]
- 5.4.3. For the purpose of demonstrating compliance with condition 5.1.1.f., the permittee shall maintain records of the visible emission opacity tests conducted. Said records shall be maintained on-site or in a readily accessible off-site location maintained in accordance with 3.4.2. of this permit.  
[45CSR13, R13-2592B, 4.4.6.]
- 5.4.4. The permittee shall keep records of the date when any flare(s) is placed in operation, taken out of operation and the identification of the specific flare. Such records shall be maintained in accordance with 3.4.2. of this permit.  
[45CSR13, R13-2592B, 4.4.7.]

## 5.5. Reporting Requirements

5.5.1. ~~Upon observing any visible emissions in excess of twenty percent (20%) opacity, or excess of forty (40%) for any period or periods aggregating more than five (5) minutes in any sixty (60) minute period, the Company shall submit a written report, certified by a responsible official, to the Director of the Division of Air Quality within five (5) days after taking said reading.~~  
~~[45CSR13, R13-2592, A.6.]~~

5.5.1. Any exceedances of the allowable visible emission requirement for any emission source discovered during observations using 40 C.F.R. Part 60, Appendix A, Method 22 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.  
[45CSR13, R13-2592B, 4.5.1.]

5.5.2. The permittee shall submit the results of any testing/assessment conducted as a requirement of this permit to the Director within 60 days after conducting such testing.  
[45CSR13, R13-2592B, 4.5.2]

## 5.6. Compliance Plan

5.6.1. None