State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL MODIFICATION **CERTIFIED MAIL**
WYANDOT COUNTY

Street Address: 50 West Town Street, Suite 700
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329
Mailing Address: Lazarus Gov. Center P.O. Box 1049

Application No: 03-16234
Fac ID: 0388000039
DATE: 6/5/2008

Co. Environmental of Wyandot Sanitary LF
Dennis Gehle
11164 County Road 4
Carey, OH 43316

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: **USEPA** **NWDO**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install **Issue Date: 6/5/2008**
Terms and Conditions **Effective Date: 6/5/2008**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 03-16234

Application Number:	03-16234
Facility ID:	0388000039
Permit Fee:	**$200**
Name of Facility:	Co. Environmental of Wyandot Sanitary LF
Person to Contact:	Dennis Gehle
Address:	11164 County Road 4 Carey, OH 43316

Location of proposed air contaminant source(s) [emissions unit(s)]:
11164 County Road 4
Carey, **Ohio**

Description of proposed emissions unit(s):
Landfill operations.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit-To-Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

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

ii. The date(s) analyses were performed.

iii. The company or entity that performed the analyses.

iv. The analytical techniques or methods used.

v. The results of such analyses.

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

b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to

the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See B.9 below if no deviations occurred during the quarter.

iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

iv. If this permit is for an emissions unit located at a Title V facility, then each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

d. The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and re-issuance, or modification

b. It shall not be a defense for the 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 federally enforceable terms and conditions of this permit.

c. This permit may be modified, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

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

e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to

the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.

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

iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit-To-Operate Application

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this permit is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

12. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

13. Permit-To-Install

A permit-to-install must be obtained pursuant to OAC Chapter 3745-31 prior to "installation" of "any air contaminant source" as defined in OAC rule 3745-31-01, or "modification", as defined in OAC rule 3745-31-01, of any emissions unit included in this permit.

B. State Only Enforceable Permit-To-Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder.

The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

4. Authorization To Install or Modify

If applicable, authorization to install or modify any new or existing emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

5. Construction of New Sources(s)

This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

6. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

7. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

8. Construction Compliance Certification

If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) that the facility has been constructed in accordance with the permit-to-install application and the terms and conditions of the permit-to-install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

9. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly (i.e., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

C. Permit-To-Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
Fugitive NMOC	*46.8*
NMOC	*2.02*
Fugitive Methane	*5,877*
Methane	*666.09*
NOx	*34.51*
CO	*187.7*
HCl	*12.13*
Fugitive PE	*100.59*
Stack PE	*8.63*
SO_2	*8.36*

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

Emissions Unit ID: F001

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F001 - Landfill Roadways and Parking Areas, (modification of PTI number 03-13157 issued February 6, 2003 to increase emissions associated with an increase in the authorized maximum daily waste receipt (AMDWR)	OAC rule 3745-31-05 (A)(3)	38.86 tons fugitive particulate emissions (PE)/yr
	OAC rule 3745-17-07 (B)	See Section A.I.2.j.
	OAC rule 3745-17-08 (B)	See Section A.I.2.j.
paved roadways and parking areas	OAC rule 3745-31-05 (A)(3)	no visible particulate emissions except for one minute during any 60-minute observation period best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.I.2.c, A.I.2.e, and A.I.2.g through A.I.2.i.)
unpaved roadways and parking areas	OAC rule 3745-31-05 (A)(3)	no visible particulate emissions except for three minutes during any 60-minute observation period best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.d through A.I.2.i.)

2. Additional Terms and Conditions

2.a The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

<u>paved roadways:</u>
all paved roadway segments

<u>paved parking areas:</u>
all paved parking areas

2.b The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

<u>unpaved roadways:</u>
all unpaved roadway segments

<u>unpaved parking areas:</u>
all unpaved parking areas

2.c The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas with a water truck and mechanical sweeper at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.d The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas by watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.e The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice

or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

2.f Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.

2.g The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.

2.h Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.

2.i Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

2.j The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:

paved roadways and parking areas	minimum inspection frequency
all paved roadways/parking areas	twice daily (and not less than 4 hours apart) during operation

unpaved roadways and parking areas	minimum inspection frequency
all unpaved roadways/parking areas	twice daily (and not less than 4 hours apart) during operation

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

4. The permittee shall maintain records of the following information:

   a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

   b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

   c. the dates the control measures were implemented; and

   d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

   The information required in 4.d. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

IV. Reporting Requirements

1. The permittee shall submit deviation reports, in accordance with the General Terms and Conditions of this permit, that identify any of the following occurrences:

a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

V. Testing Requirements

1. Compliance with the emission limitations specified in A.I.1 of these terms and conditions shall be determined in accordance with the following methods:

   a. Emission Limitation:
   38.86 tons fugitive PE/year

Applicable Compliance Method:
The emission limitation was established by summing the total, uncontrolled emissions from paved and unpaved roadways and parking areas and applying a 95% control efficiency for use of best available control measures.

The uncontrolled emissions were based on the following:

i. for paved roadways and parking areas, multiply the appropriate emission factor as determined from AP-42, Chapter 13.2.1 (revised 12/03) by the maximum vehicle miles traveled and divide by 2000 lbs/ton; and

ii. for unpaved roadways and parking areas, multiply the appropriate emission factor as determined from AP-42, Chapter 13.2.2 (revised 12/03) by the maximum vehicle miles traveled and divide by 2000 lbs/ton.

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the annual limitation will be assumed.

b. Emission Limitation:
There shall be no visible particulate emissions from the paved roadways and parking areas except for one minute during any 60-minute period.

Applicable Compliance Method:
If required, compliance with the visible PE limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

c. Emission Limitation:
There shall be no visible particulate emissions from the unpaved roadways and parking areas except for three minutes during any 60-minute period

Applicable Compliance Method:
If required compliance with the visible PE limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F001 - Landfill Roadways and Parking Areas, (modification of PTI number 03-13157 issued February 6, 2003 to increase emissions associated with an increase in the authorized maximum daily waste receipt (AMDWR)		

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements
P901 -Solid Waste Landfill with Active Gas Collection System and Open Flares modification of PTI 03-16234, issued on May 11, 2006, to allow for the installation of a second utility flare and to allow the change of emission limitations due to new emission factors.	OAC rule 3745-17-08(B) OAC rule 3745-17-07(B)(1) 40 CFR 60 Subpart WWW OAC rule 3745-31-05(A)(3)

	Applicable Emissions Limitations/Control Measures	
	See Section A.I.2.a.	3-minute average from operations not associated with asbestos-containing material (ACM)
40 CFR 61 Subpart M	See Section A.I.2.a.	best available control measures, as defined in the "Additional Terms and Conditions" section, to minimize or eliminate the emissions of fugitive dust (See Section A.I.2.l through A.I.2.p.)
40 CFR 63 Subpart AAAA	See Section A.I.2.b through A.I.2.k.	
	fugitive landfill emissions (emissions not captured by the collection and control system): 46.8 tons per year (TPY) of non-methane organic compounds (NMOC) 5,877 TPY of methane (CH4)	best available technology requirements, as defined in the "Additional Terms and Conditions" section, for the handling ACM (See Section A.I.2.s through A.I.2.y.)
		See Section A.I.2.a.
	emissions from the flare: See Section A.I.2.q. 0.46 lb NMOC per hour 2.02 TPY of NMOC 152.1 lbs of CH4 per hour 666.09 TPY of CH4 1.97 lbs PM10 per hour (See Section A.I.2.r.) 8.63 TPY of PM10 (See Section A.I.2.r.) 1.91 lbs sulfur dioxide (SO2) per hour 8.36 TPY of SO2 7.32 7.88 lbs nitrogen oxides (NOx) per hour 34.51 TPY of NOx 42.87 lbs carbon monoxide (CO) per hour 187.7 TPY of CO 2.77 lbs hydrogen choride (HCl) per hour 12.13 TPY of HCl 61.68 TPY of fugitive particulate emissions (PE) Visible fugitive PE shall not exceed 20% opacity, as a	See Section A.IV.2, A.VI.6, and A.VI.7

2. Additional Terms and Conditions

2.a The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2.b Since the calculated NMOC emission rate for this facility is greater than 50 megagrams per year (Mg/yr), the permittee shall operate a collection and control system that captures the gas generated within the landfill as required below.

i. An active collection system shall:

(a) be designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment;

(b) collect gas from each area, cell, or group of cells in the landfill in which the initial solid waste has been placed for a period of 5 years or more if active; or 2 years or more if closed or at final grade;

(c) collect gas at a sufficient extraction rate: and

(d) be designed to minimize off-site migration of subsurface gas.

ii. A passive collection system shall:

(a) comply with the provisions specified in A.I.2.c.i.; and

(b) be installed with liners on the bottom and all sides in all areas in which gas is to be collected. The liners shall be installed as required under 40 CFR 258.40.

2.c The permittee shall route all the collected gas to a control system that complies with the requirements in A.I.2.c.i or A.I.2.c.ii:

i. An open flare shall be designed and operated in accordance with the general control device requirements in 40 CFR 60.18:

(a) Flare shall be designed and operated with no visible emissions as determined by the Method 22 of Appendix A of 40 CFR, Part 60, except for periods not to exceed a total of 5 minutes during any 2

consecutive hours.

(b) Flare shall be operated with a flame present at all times. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of flame.

(c) The permittee has the choice of adhering to either the heat content specifications in Section A.I.2.c.i.(d) of this section and the maximum tip velocity specifications in Section A.I.2.c.i.(e) of this section, or adhering to the requirements in Section A.I.2.c.i.(f) of this section.

(d) The net heating value of the gas being combusted in a flare shall be calculated using the following equation:

Ht = K x (summation of i from l to n for CiHi)

where:

K = constant, 1.740×10^{-7} (1/ppm) (g mole/scm) MJ/Kcal) where the standard temperature for (g mole/scm) is 20 degree Celsius;

Ht = Net heating value of the sample, MJ/scm; where the net enthalpy per mole of off gas is based on combustion at 25 degree Celsius and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20 degree Celsius;

Ci = Concentration of sample component i in ppm on a wet basis, as measured for organics by Reference Method 18 and measured for hydrogen and carbon monoxide by ASTM D 1946-77 (Incorporated by reference as specified in Sec. 60.17); and

Hi = Net heat of combustion of sample component i, kcal/g mole at 25 degree Celsius and 760 mm Hg. The heats of combustion may be determined using ASTM D2382-76 (incorporated by reference as specified in Sec. 60.17) if published values are not available or cannot be calculated.

(e) Steam-assisted and nonassisted flares shall be designed for and operated as follows:

(i) Steam-assisted and nonassisted flares shall be designed for and operated with an exit velocity, (as determined by dividing the volumetric flow rate (in units of standard temperature and pressure), as determined by Reference Methods 2, 2A, 2C, or 2D as appropriate; by the unobstructed (free) cross sectional area of the flare tip,) less than 18.3 m/sec (60 ft/sec), except as provided in (e)(ii) and (e) (iii) of this section.

(ii) Steam-assisted and nonassisted flares designed for and operated with an exit velocity, as determined by dividing the volumetric flow rate (in units of standard temperature and pressure), as determined by Reference Methods 2, 2A, 2C, or 2D as appropriate; by the unobstructed (free) cross sectional area of the flare tip, equal to or greater than 18.3 m/sec (60 ft/sec) but less than 122 m/sec (400 ft/sec) as allowed if the net heating value of the gas being combusted is greater than 37.3 MJ/scm (1,000 Btu/scf).

(iii) Steam-assisted and nonassisted flares designed for and operated with an exit velocity, as determined by dividing the volumetric flow rate (in units of standard temperature and pressure), as determined by Reference Methods 2, 2A, 2C, or 2D as appropriate; by the unobstructed (free) cross sectional area of the flare tip, less than the velocity, Vmax, as determined by the equation below, and less than 122 m/sec (400 ft/sec) are allowed.

$$\text{Log 10 (Vmax)} = (Ht + 28.8)/31.7$$

Where: Vmax = Maximum permitted velocity, M/sec
28.8 = Constant
31.7 = Constant
Ht = The net heating value as determined in paragraph (d) above.

(f) Flare shall be used that have a diameter of 3 inches or greater, are nonassisted, have a hydrogen content of 8.0 percent (by volume), or greater, and are designed for and operated with an exit velocity less than 37.2 m/sec (122 ft/sec) and less than the velocity, Vmax, as determined by the following equation:

$$Vmax = (XH2 - K1) * K2$$

Where:
Vmax = Maximum permitted velocity, m/sec.
K1 = Constant, 6.0 volume-percent hydrogen.
K2 = Constant, 3.9(m/sec)/volume-percent hydrogen.
XH2 = The volume-percent of hydrogen, on a wet basis, as calculated by using the American Society for Testing and Materials (ASTM) Method D1946-77. (Incorporated by reference as specified in Sec. 60.17).

The actual exit velocity of a flare shall be determined by dividing the volumetric flow rate (in units of standard temperature and pressure), as determined by Reference Methods 2, 2A, 2C, or 2D as appropriate; by the unobstructed (free) cross sectional area of the flare tip.

2.d If the permittee seeks to demonstrate compliance with A.I.2.b.i.(d) through the use of a collection system not conforming to the specifications provided in A.I.2.i through A.I.2.k, the permittee shall provide information satisfactory to the Director to demonstrate that off-site migration is being controlled.

2.e The permittee shall place each well or design component as specified in the approval design plan. Each well shall be installed no later than 60 days after the date on which the initial solid waste has been in place for a period of 5 years or more if active; or 2 years or more if closed or at final grade.

2.f For compliance with the surface methane operational standard as provided in A.II.3, any reading of 500 parts per million (ppm) or more above background at any location shall be recorded as a monitored exceedance and the actions specified in A.I.2.f.i through A.I.2.f.v shall be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements of A.II.3.

i. The location of each monitored exceedance shall be marked and the location recorded.

ii. Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedance.

iii. If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and monitored again within 10 days oft he second exceedance. If the re-monitoring shows a third exceedance for the same location, the action specified in A.I.2.f.v shall be taken, and no further monitoring of that location is required until the action specified in A.I.2.f.v has been taken.

iv. Any location that initially showed an exceedance, but has a methane concentration less than 500 ppm methane above background at the 10-day re-monitoring specified in A.I.2.f.ii or A.I.2.f.iii shall be re-monitored 1 month from the initial exceedance. If the 1-month remonitoring shows a concentration less than 500 ppm above background, no further monitoring of that location is required until the next quarterly monitoring period. If the 1-month remonitoring shows an exceedance, the actions specified in A.I.2.f.iii or A.I.2.f.v shall be taken.

v. For any location where the monitored methane concentration equals or exceeds 500 ppm above background three times within a quarterly period, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance.

2.g For compliance with the surface methane operational standard as provided in A.II.3, the permittee shall implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis.

2.h The provisions of this permit under the authority of 40 CFR, Part 60, Subpart WWW apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices.

2.i The permittee shall site active collection wells, horizontal collectors, surface collectors, or other extraction devices at a sufficient density throughout all gas producing areas using the following procedures unless alternative procedures have been approved by the Administrator:

i. The collection devices within the interior and along the perimeter areas shall be certified to achieve comprehensive control of surface gas emissions by a professional engineer. The following issues shall be addressed in the design: depths of refuse, refuse gas generation rates and flow characteristics, cover properties, gas system expandibility, leachate and condensate management, accessibility, compatibility with filling operations, integration with closure end use, air intrusion control, corrosion resistance, fill settlement, and resistance to the refuse decomposition heat.

ii. The sufficient density of gas collection devices determined in A.I.2.j.i shall address landfill gas migration issues and augmentation of the collection system through the use of active or passive systems at the landfill perimeter or exterior.

2.j The placement of gas collection devices shall control all gas producing areas, except as provided by i and ii below:

i. Any segregated area of non-degradable material may be excluded from collection if documented as provided under A.III.12. The documentation shall provide the nature, date of deposition, location and amount of non-degradable material deposited in the area, and shall be provided to the Administrator and Director upon request.

ii. Any non-productive area of the landfill may be excluded from control, provided that the total of all excluded areas can be shown to contribute less than 1% of the total amount of NMOC emissions from the landfill. The amount, location, and age of the material shall be documented and provided to the Administrator and Director upon request. A separate NMOC emissions estimate shall be made for each section proposed for exclusion, and the sum of all such sections shall be compared to the NMOC emissions estimate for the entire landfill.

Emissions from each section shall be computed using the following equation:

$$Qi = 2 \times k \times Lo \times Mi \times (e^{-kti}) \times (Cnmoc) \times (3.6 \times 10^{-9})$$

where:
Qi = NMOC emission rate from the i th section, in megagrams per year
k = methane generation rate constant, in $year^{-1}$
Lo = methane generation potential, in cubic meters per megagram solid waste
Mi = mass of the degradable solid waste in the i th section, in megagram
ti = age of the solid waste in the i th section, in years
Cnmoc = concentration of nonmethane organic compounds, in parts per million by volume
3.6×10^{-9} = conversion factor

iii. The values for k, Lo, and Cnmoc determined in field testing shall be used, if field testing has been performed in determining the NMOC emission rate or the radii of influence. If field testing has not been performed, the default values for k, Lo and Cnmoc are provided below:

k* = 0.05 per year
Lo = 170 cubic meters per megagram
Cnmoc = 4,000 parts per million by volume as hexane

* For landfills located in geographical areas with a thirty-year annual average precipitation of less than 25 inches, as measured at the nearest representative official meteorologic site, the k value to be used is 0.02 per year.

2.k When the permittee constructs new gas collection devices, the permittee shall use the following equipment or procedures:

i. The landfill gas extraction components shall be constructed of polyvinyl chloride (PVC), high density polyethylene (HDPE) pipe, fiberglass, stainless steel, or other nonporous corrosion resistant material of suitable dimensions to: convey projected amounts of gases; withstand installation, static, and settlement forces; and withstand planned overburden or traffic loads. The collection system shall extend as necessary to comply with emission and migration standards. Collection devices such as wells and horizontal collectors shall be perforated to allow gas entry without head loss sufficient to impair performance across the intended extent of control. Perforations shall be situated with regard to the need to prevent excessive air infiltration.

ii. Vertical wells shall be placed so as not to endanger underlying liners and shall address the occurrence of water within the landfill. Holes and trenches constructed for piped wells and horizontal collectors shall be of sufficient cross-section so as to allow for their proper construction and completion including, for example, centering of pipes and placement of gravel backfill. Collection devices shall be designed so as not to allow indirect short circuiting of air into the cover or refuse into the collection system or gas into the air. Any gravel used around pipe perforations should be of a dimension so as not to penetrate or block perforations.

iii. Collection devices may be connected to the collection header pipes below or above the landfill surface. The connector assembly shall include a positive closing throttle valve, any necessary seals and couplings, access couplings and at least one sampling port. The collection devices shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other nonporous material of suitable thickness.

2.l The permittee shall employ best available control measures on all cell load-in operations associated with the landfill cell for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the cell load-in operations with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.m The above-mentioned control measures shall be employed for each cell load-in operation of the landfill cell if the permittee determines, s a result of the inspections conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during any such operation until further observation confirms that use of the measures is unnecessary.

2.n The permittee shall employ best available control measures on all surface working operations associated with the landfill cell for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the surface working operations with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.o The permittee shall employ best available control measures for wind erosion from surfaces associated with the landfill cell for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the landfill surface with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.p The above-mentioned control measures shall be employed for surface operations and wind erosion from the landfill cell if the permittee determines, as a result of the inspections conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the

above-mentioned applicable requirements. Implementation of the control measures shall not be necessary for the landfill cell that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

2.q The hourly emission limitations are established for PTI purposes to reflect the emissions unit's potentials to emit. Therefore, no record keeping, monitoring and/or reporting requirements are necessary to ensure compliance with these limitations.

2.r All particulate emissions from the flare are particulate matter less than 10 micron in size (PM10).

2.s There shall be no visible emissions from asbestos-containing waste materials (ACM) during on-site transportation, transfer, deposition, or compacting operations.

2.t The permittee shall inspect each load of ACM delivered to the facility. The inspection shall consist of a visual examination to ensure that each shipment of ACM is received intact, leak-tight containers labeled with appropriate hazard warning labels, the name of the generator, and the location of waste generation. The inspection also shall determine whether the waste shipment records accompany the consignment and accurately describe the waste material and quantity.

If on the basis of the inspection, the waste material is found to be improperly received, the load shall be disposed of in accordance with the procedures in the "Asbestos Spill Contingency Plan", and the discrepancy shall be noted on the waste shipment record.

2.u Deposition and burial operations shall be conducted in a manner which prevents handling by equipment or persons that causes asbestos-containing waste materials to be broken up or dispersed before the materials are buried.

2.v The permittee shall cover and compact asbestos wastes in accordance with the following:

i. As soon as practicable after the placement of friable asbestos, but no later than the end of each working day, the asbestos-containing waste materials deposited at the site during the operating day shall be covered with at least 12 inches of non-ACM. Once the ACM are covered, the area may be compacted.

ii. Care should be taken to ensure that disposed asbestos shall not be re-excavated in subsequent operations. Any accidentally exposed material shall be immediately recovered in accordance with the provisions

of condition i above.

iii. ACM shall be separated from the landfill final grade by no less than 24 inches of compacted non-ACM and a permanent cover of vegetation, or in accordance with current requirements for closure, whichever is more stringent.

2.w The permittee shall implement and maintain an "Asbestos Disposal Operating Procedure and Spill Contingency Plan" ("Plan") consisting of; authorized personnel training, inspection and disposal operating procedures, non-conforming load response procedures, inventory and maintenance procedures for safety and emissions control equipment, record keeping procedures, and emergency notification procedures. Authorized personnel shall be knowledgeable in the procedures, and the Plan shall be available for inspection at this facility at all times.

2.x Emissions control equipment shall be available for wetting and containing asbestos in the event of a release or non-conforming load disposal. All equipment required to implement the Plan shall be maintained in accordance with good engineering practices to ensure that the equipment is in a ready-to-use condition and in an appropriate location for use.

2.y The permittee shall establish restricted access, adequate to deter the unauthorized entry of the general public and any unauthorized personnel, within 100 feet of the unloading, deposition, and burial areas of the asbestos-containing waste material. A hazard warning shall display the following information on signs not less than 20 x 14 inches in size, posted so they are visible before entering an area with asbestos waste disposal operations in progress:

"ASBESTOS WASTE DISPOSAL SITE
DO NOT CREATE DUST
BREATHING ASBESTOS IS HAZARDOUS TO YOUR HEALTH"

The letter sizes and styles shall be of a visibility at least equal to the following specifications: one inch sans serif, gothic or block in the first and second line; and at least three-fourths inches sans serif, gothic or block in the third line; and fourteen point gothic in the fourth line. Spacing between any two lines must be at least equal to the height of the upper of the two lines.

2.z Hydrogen Sulfide Emissions Contingency Plan

As part of the best available technology requirements under OAC rule 3745-31-05(A)(3), Ohio EPA may request the permittee to develop and implement a hydrogen sulfide emissions contingency plan. If requested, the contingency plan shall meet the requirements detailed in rules developed in response to House Bill (H.B.) 397.

Under H.B. 397 signed by the governor December 22, 2005, Ohio EPA is required to develop rules governing the operation of construction and demolition debris (C&DD) landfills. One part of this bill requires Ohio EPA to require C&DD facilities to develop and implement a contingency plan for the effective action in response to hydrogen sulfide or other gas emissions. However, Ohio EPA believes it may become important for facilities other than C&DD landfills to have in place a contingency plan to deal with potential hazardous emissions. Therefore, as a condition of this permit, if requested, the permittee will be required to develop and implement a hydrogen sulfide / other gas emission contingency plan consistent with the requirements developed in response to H.B. 397.

II. Operational Restrictions

1. The permittee of an MSW landfill with a gas collection and control system used to comply with the provisions of A.I.2.c shall operate the collection system with negative pressure at each wellhead except under the following conditions:

   a. A fire or increased well temperature. (The permittee shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports as provided in A.IV.2)

   b. Use of a geomembrane or synthetic cover. (The permittee shall develop acceptable pressure limits in the design plan.)

   c. A decommissioned well. (A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the Director.)

2. The permittee shall operate each interior wellhead in the collection system with a landfill gas temperature less than 55 degrees Celsius and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The permittee may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. 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.

   a. The nitrogen level shall be determined using 40 CFR, Part 60, Appendix A,

Method 3C, unless an alternate test method is approved by the Administrator.

b. The oxygen level shall be determined by an oxygen meter using 40 CFR, Part 60, Appendix A, Method 3A, unless an alternative test method is approved by the Administrator, except that:

i. The span shall be set so that the regulatory limit is between 20 and 50 percent of the span.

ii. A data recorder is not required.

iii. Only two calibration gases are required, a zero and span, and ambient air may be used as the span.

iv. A calibration error check is not required.

v. The allowable sample bias, zero drift, and calibration drift are plus or minus 10 percent.

3. The permittee shall operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill. To determine if this level is exceeded, the permittee shall conduct surface testing on a quarterly basis around the perimeter of the collection area and along a pattern that traverses the landfill at 30-meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The permittee may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30-meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.

4. The permittee shall operate the gas collection and control system such that all collected gases are vented to a control system designed and operated in compliance with A.I.2.d. 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.

5. The permittee shall operate the control and/or treatment system at all times when the collected gas is routed to the system.

6. If monitoring demonstrates that the operational requirements in A.II.1 through A.II.3 are not met, corrective action shall be taken as specified in A.III.2. A.I.2.g, and/or A.I.2.h. If corrective actions are taken as specified, the monitored exceedance is not a violation of the operational requirements.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall install a sampling port and a thermometer or other temperature measuring device, or an access port for temperature measurements at each wellhead.

   a. For the purpose of demonstrating whether the gas collection system flow rate is sufficient to determine compliance with A.I.2.b.i.(c), the permittee shall measure gauge pressure in the gas collection header at each individual well, monthly. If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under A.II.I. If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Director for approval.

   b. For the purpose of identifying whether excess air infiltration into the landfill is occurring, the permittee shall monitor each well monthly for temperature and nitrogen or oxygen as provided in A.III.2. If a well exceeds one of these operating parameters, action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measure shall not cause exceedance of other operational or performance standards. An alternate timeline for correcting the exceedance may be submitted to the Director for approval.

2. The permittee shall monitor surface concentrations of methane along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30-meter intervals (or a site-specific established spacing) for each collection area on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in below:

   a. The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells.

   b. Surface emission monitoring shall be performed in accordance with section 4.3.1 of Method 21 of Appendix A of 40 CFR, Part 60, except that the probe inlet shall

be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions.

c. The portable analyzer shall meet the instrument specifications provided in section 3 of Method 21 of Appendix A of 40 CFR, Part 60, except that "methane" shall replace all references to VOC.

d. The calibration gas shall be methane, diluted to a nominal concentration of 500 parts per million in air.

e. To meet the performance evaluation requirements in section 3.1.3 of Method 21 of Appendix A of 40 CFR, Part 60, the instrument evaluation procedures of section 4.4 of Method 21 of Appendix A of 40 CFR, Part 60 shall be used.

f. The calibration procedures provided in section 4.2 of Method 21 of Appendix A of 40 CFR, Part 60 shall be followed immediately before commencing a surface monitoring survey.

3. The permittee shall calibrate, maintain, and operate according to the manufacturer's specifications the following equipment:

   a. 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.

   b. A device that records flow to or bypass of the flare. The permittee shall either:

      i. calibrate, and maintain a gas flow rate measuring device that shall record the flow to the control device at least every 15 minutes; or

      ii. secure the bypass line value in the closed position with a car-seal or lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.

4. The permittee shall monitor surface concentrations of methane according to the instrument specifications and procedures provided in this permit. Any closed landfill that has no monitored exceedance of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.

5. The permittee shall keep for at least 5 years up-to-date, readily accessible, on-site records of the design capacity report which includes: 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. These records may be also required by the OEPA, Division of Solid and Infectious Waste Management, and shall satisfy this permit condition.

6. The permittee shall keep up-to-date, readily accessible records for the life of the control equipment of the data listed below as measured during the initial performance test or compliance determination. Records of subsequent tests or monitoring shall be maintained for a minimum of 5 years. Records of the control device vendor specifications shall be maintained until removal:

   a. The maximum expected gas generation flow rate as calculated.

   b. The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined.

   c. Where the permittee seeks to demonstrate compliance with A.I.2.d.i through use of an open flare, the flare type (i.e., steam-assisted, air-assisted, or nonassisted), all visible emissions readings, heat content determinations, 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 operations during which the pilot flame of the flare flame is absent.

7. The permittee of a controlled landfill subject to the provisions of this subpart shall keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in A.III.I through A.III.3 as well as up-to-date, readily accessible records for periods of operation during which the parameter boundaries established during the most recent performance test are exceeded.

8. The permittee shall keep up-to-date, readily accessible continuous records of the indication of flow to the 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, specified under A.III.1 through A.III.3.

9. The permittee shall keep up-to-date, readily accessible continuous records of the flame or flare pilot flame monitoring specified under A.III.3, and up-to-date, readily accessible records of all periods of operation in which the flame or flare pilot flame is absent.

10. The permittee shall keep for the life of the collection system an up-to-date, readily accessible plot map showing each existing and planned collector in the system and

providing a unique identification location label for each collector.

11. The permittee shall keep up-to-date, readily accessible records of the installation date and location of all newly installed collectors as specified under A.I.2.e. of this permit.

12. The permittee shall keep readily accessible documentation of the nature, date of deposition, amount, and location of nondegradable waste excluded from collection as provided in A.I.2.j.i as well as any nonproductive areas excluded from collection as provided in A.I.2.j.ii.

13. The permittee shall keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in A.II.1 through A.II.6, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance.

14. Except as otherwise provided in this section, the permittee shall perform inspections of the landfill operation areas in accordance with the following frequencies:

landfill areas	minimum inspection frequency
all landfill areas cells	twice daily (and not less than 4 hours apart) during operation

15. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures for fugitive landfill particulate emissions from solid waste load-in and surface working operations, the cell surfaces and wind erosion. The inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary for a landfill operating area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

16. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office, modify the above-mentioned inspection frequency if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements. Such modified inspection frequencies would not be considered a minor or significant modification that would be subject to the Title V permit modification requirements in paragraphs (C)(1) and (C)(3) of OAC rule 3745-77-08.

17. The permittee shall maintain records of the following information:

    a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or

precipitation;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

c. the dates the control measures were implemented; and

d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 17.d. shall be kept separately for (i) the solid waste load-in operations, (ii) the surface working operations, and (iii) the cell surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

18. The permittee shall maintain a waste shipment record for all ACM. The waste shipment record shall be legible, complete, signed and dated by the waste generator and waste disposal site operator, and shall include the following information:

a. The name of the work site or facility where the asbestos-containing waste was generated and the mailing address and telephone number of the facility owner.

b. The name, mailing address, and telephone number of the owner or operator (waste generator) responsible for handling, packing, marking, and labeling the asbestos-containing waste material.

c. The name, mailing address, telephone number, and site location of the active waste disposal site designated by the generator to receive the asbestos-containing waste material for disposal.

d. The name and address of the local, State, or U.S. EPA regional office responsible for administering the asbestos NESHAP program.

e. A description of the asbestos-containing waste materials included in the waste shipment.

f. The number and type of containers included in the waste shipment.

g. The approximate volume of asbestos-containing waste material included in the

waste shipment, in cubic yards.

h. Special handling instructions or additional information relative to the waste shipment the generator may specify.

i. A certification that the contents of this consignment are fully and accurately described by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

j. The name, address, and telephone number of the transporter.

k. A signature by the transporter to acknowledge receipt of the asbestos-containing waste shipment described by the waste generator in section A.III.18.a through A.III.18.j.

l. A discrepancy indication space to be completed by the transporter or waste shipment owner or operator if any improperly contained asbestos waste is observed or if there is any discrepancy in the quantity of asbestos shipped and the quantity of asbestos waste received at the asbestos waste disposal site.

m. A signature by the waste disposal site operator to acknowledge receipt of the asbestos-containing waste shipment described by the waste generator in section A.III.18.a through i, except as noted in the discrepancy indication space

As soon as possible and no longer than thirty days after receipt of the waste, send the original completed copy of the signed waste shipment record to the waste generator and retain the remaining copy for the waste site disposal record.

19. The permittee shall maintain records of the location, depth, area, and quantity in cubic yards of all asbestos-containing waste material within the disposal site, on a map or a diagram of the disposal area.

IV. Reporting Requirements

1. The permittee shall submit a closure report to the Administrator and Director within 30 days of waste acceptance cessation. The Administrator or Director may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 40 CFR 258.60. If a closure report has been submitted to the Administrator and Director, no additional wastes may be placed into the landfill without filing a notification of modification. A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted.

This notice shall be postmarked 60 days or as soon as practicable before the change is

commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator or Director may request additional relevant information subsequent to this notice.

2. The permittee shall submit to the Director reports of the recorded information in A.IV.2. a through A.IV.2.f. The reports shall be submitted by January 31 and July 31 for the previous six calendar months.

   a. Value and length of time for each exceedance of the applicable parameters contained in A.II.1, A.II.2, and A.II.5.

   b. Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under A.III.3.

   c. Description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating.

   d. All periods when the collection system was not operating in excess of 5 days.

   e. The location of each exceedance of the 500 ppm methane concentration as provided in A.II.3 and the concentration recorded at each location for which an exceedance was reported in the previous month.

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

3. The permittee shall submit quarterly deviation reports that identify any of the following occurrences:

   a. each day during which a fugitive dust inspection was not performed by the required frequency; and

   b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

   The deviation reports shall be submitted in accordance with the reporting requirements

of the General Terms and Conditions of this permit.

4. The permittee shall submit quarterly reports summarizing the asbestos disposal activities. The reports shall contain the following information:

   a. The name, address, and location of the facility; the calendar period covered by the report; and any changes in the methods of storage or the disposal operations.

   b. A list of all asbestos-containing waste consignments received, including the date received, the name of the waste generator, the name and location of the facility where the load originated, the quantity of asbestos, and any discrepancy or non-conformity discovered.

   These quarterly reports shall be submitted no later than January 31, April 30, July 31, and October 31 and shall cover the previous calendar quarters.

V. Testing Requirements

1. Compliance with the emissions limitations in Section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:

   a. <u>Emission Limitation:</u>
   fugitive landfill emissions (emissions not captured by the collection and control system): 46.8 TPY of NMOC and 5,877 TPY of CH4

   <u>Applicable Compliance Method:</u>
   The annual emission limitations represent the maximum potential to emit based on AP-42, Chapter 2.4 (11/98), landfill gas generation equations. Maximum potential emissions will occur in the year 2016 and are based on the following:

      i. maximum annual landfill waste acceptance of 1,404,000 tons;

      ii. maximum landfill capacity of 20.3 x 10^6 tons (18.4 x 10^6 Mg);

      iii. NMOC concentration data obtained from actual (tier 2) sampling at the landfill; and

      iv. an assumed landfill gas collection system efficiency of 85%, based on consideration of AP-42 chapter 2.4 (11/98) factors, as adjusted for this landfill according to industry field studies.

   b. <u>Emission Limitation:</u>
   61.68 TPY of fugitive particulate emissions

   <u>Applicable Compliance Method:</u>

The permittee shall demonstrate compliance by adding maximum potential emissions from landfill surface removal, soil loading and unloading cover construction soil placement, and surface wind erosion. The maximum emissions from each fugitive dust operation was calculated by multiplying the applicable emission factors, from from AP-42 Section 13.2.4 (01/95), and AP-42 Section 11.9 (7/98) by the associated maximum quantities and applying a 75 percent control efficiency (no control efficiency was applied to surface wind erosion). Therefore provided compliance is shown with the requirement to apply best available control measures compliance with the annual limitation will be assumed.

c. Emission Limitation:
Visible fugitive PE shall not exceed 20% opacity, as a 3-minute average from operations not associated asbestos- containing material (ACM).

Applicable Compliance Method
If required, compliance with the visible emission limitation listed above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

d. Emission Limitation:
There shall be no visible emissions from asbestos-containing waste materials (ACM) during on-site transportation, transfer, deposition, or compacting operations.

Applicable Compliance Determination:
If required, compliance with the visible emission limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

e. Emission Limitation:
0.46 lb NMOC per hour, 2.02 TPY of NMOC
152.1 lbs methane per hour, 666.09 TPY of methane

Applicable Compliance Method:
Compliance with the hourly allowable NMOC and methane limitations may be determined by using an (AP-42) emission factor of 0.0001 lbs/scf by 3,862 cf/min from the flares by 60 min/hr by an assumed control factor of (1-0.98), as based on the following:

i. The control efficiency of 98% was based on AP-42, Table 2.4-3, for flares.

ii. The hourly NMOC and methane flow rate was calculated based on equation 1, AP-42, Chapter 2.4 (revised 11/98).

The tons/yr limitations were developed by multiplying the lb/hr limitations by the maximum operating schedule 8,760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitations. (maximum potential emissions will occur in the year 2016)

f. Emission Limitation:
7.88 lbs NOx per hour, 34.51 TPY of NOx

Applicable Compliance Method:
Compliance with the hourly allowable NOx limitation may be determined by an AP-42 emission factor of 0.068 lbs/mm BTU by an average heat content of the landfill gas of 500 BTU/cf by a total of 3,862 cfm from the flares by a conversion factor of 60 min/hr and then dividing by 1,000,000 Btu/mmBtu.

The tons/yr limitation were developed by multiplying the lb/hr limitations by the maximum operating schedule 8,760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitations. (maximum potential emissions will

occur in the year 2016)

g. Emission Limitation:
42.87 lbs CO per hour, 187.7 TPY of CO

Applicable Compliance Method:
Compliance with the hourly allowable CO limitation may be determined by multiplying an AP-42 emission factor of 0.37 lbs/mm BTU by an average heat content of the landfill gas of 500 BTU/cf by a total of 3,862 cfm from the flares by a conversion factor of 60 min/hr and then dividing by 1,000,000 Btu/mmBtu.

The tons/yr limitation were developed by multiplying the lb/hr limitations by the maximum operating schedule 8,760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitations. (maximum potential emissions will occur in the year 2016)

h. Emission Limitation:
2.77 lbs HCl per hour, 12.13 TPY of HCl

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly emission limitation by applying AP-42, Section 2.4, equations 3, 4, & 10 Municipal Solid Waste Landfills (11/98) and the following:

The HCL emissions rates are based upon expected concentrations of overall Chlorine bearing compounds in the landfill gas from an AP-42 emission factor of (12.0 lbs/MMcf)(0.23 MMcf/hr).

i. CH4 gas generation rate of 6,098 m^3/hr
ii. chloride ion concentration in the landfill gas = 42.0 ppmv
ii. 85% landfill gas collection efficiency

The annual emission limitation was developed by multiplying the hourly emission limitation by a maximum operating schedule of 8760 hours/year, and then dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the hourly limitation, compliance with the annual limitation will be assumed.

i. Emission Limitation:
1.97 lbs PM10 per hour, 8.63 TPY of PM10

Applicable Compliance Method:
Compliance with the hourly PM10 allowable limitation may be determined by multiplying the maximum landfill gas generation rate of 1,931 cf/min, , 17 lbs /MMcf/1,000,000 dscf methane [AP-42, Section 2.4 (11/98)] and a conversion factor of 60 min/hr.

The tons/yr limitation were developed by multiplying the lb/hr limitations by the maximum operating schedule 8,760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitations. (maximum potential emissions will occur in the year 2016)

j. Emission Limitation: 1.91 lbs SO2 per hour, 8.36 TPY of SO2

Applicable Compliance Method: Compliance with the hourly allowable SO_2 limitation may be determined by using AP-42, Section 2.4, equations 3, 4, & 7 Municipal Solid Waste Landfills [11/98] and the following:

The SO2 emissions rates are based upon expected concentrations of overall sulfur bearing compounds in the landfill gas from an AP-42 emission factor of (8.32 lbs/MMcf)(0.23 MMcf/hr).

i. CH4 gas generation rate of 6,098 m^3/hr

ii. Sulfur concentration in the landfill gas = 46.9 ppmv

ii. 85% landfill gas collection efficiency

The tons/yr limitation were developed by multiplying the lb/hr limitations by the maximum operating schedule 8,760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitations. (maximum potential emissions will occur in the year 2016)

VI. Miscellaneous Requirements

1. Upon closure of the facility, the permittee shall comply with the following provisions of OAC rule 3745-20-07 and shall submit a copy of the records of the asbestos waste disposal locations and quantities to the director (Northwest District Office).

   a. Each owner or operator of an inactive asbestos waste disposal site shall either:

      i. Discharge no visible emissions to the outside air from an inactive waste disposal site; or

ii. Cover the asbestos-containing waste material with at least six inches of nonasbestos-containing material, and grow and maintain a cover of vegetation on the area adequate to prevent exposure of the asbestos-containing waste material; or

iii. Cover the asbestos-containing waste material with at least two feet of compacted nonasbestos-containing material and maintain the cover to prevent exposure of the asbestos-containing waste material.

b. Unless a natural barrier adequately deters access by the general public, each owner or operator of an inactive asbestos waste disposal site shall install and maintain warning signs and fencing as follows, or comply with section A.VI.1.a.ii. or A.VI.1.a.iii above:

i. Display warning signs at all entrances and at intervals of three hundred feet or less along the property line of the site or along the perimeter of the sections of the site where asbestos-containing waste material was deposited. The warning signs must:

(a) Be posted in such a manner and location that a person can easily read the legend; and

(b) Conform to the requirements for a twenty inch by fourteen inch upright format warning sign and display the following legend in the lower panel with letter sizes of at least one inch sans serif, gothic, or block. Spacing between any two lines must be at least equal to the height of the upper of the two lines:

"ASBESTOS WASTE DISPOSAL SITE
DO NOT CREATE DUST
BREATHING ASBESTOS IS HAZARDOUS TO YOUR HEALTH"

ii. Fence the perimeter of the site in a manner adequate to deter access by the general public.

Upon request and submission of appropriate information, the director will determine whether a fence or a natural barrier adequately deters access by the public.

When requesting a determination from the director on whether a natural

barrier adequately deters public access, the permittee shall supply information enabling the director to determine whether a fence or a natural barrier adequately deters access by the general public.

c. The owner or operator may use an alternative control method that has received prior approval of the director rather than comply with the requirements of section A.VI.1.a or A.VI.1.b of these terms and conditions.

d. Each owner or operator of an inactive waste disposal site shall notify the director in writing at least forty-five days prior to excavating or otherwise disturbing or removing any asbestos-containing waste material. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided to the director at least ten working days before excavation begins. In no event shall excavation begin earlier than the date specified in the original notification. Each owner or operator shall include the following information in the notice:

i. Scheduled starting and completion dates of the disturbance.

ii. Reason for disturbing the waste.

iii. Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing material. If deemed necessary, the director may require changes in the emission control procedures to be used.

iv. Location of any temporary storage site and the final disposal site.

e. Within sixty days of a site becoming inactive, record a notation of the presence of asbestos-containing material on the deed to the facility property and on any other instrument that would normally be examined during the title search; this notation will, in perpetuity, notify any potential purchaser of the property that:

i. The land has been used for the disposal of asbestos-containing waste material; and

ii. The survey plot and record of the location and quantity of asbestos-containing waste disposed of within the disposal site required in paragraph (C)(2) of rule 3745-20-06 of the Ohio Administrative Code has been filed with the director; and

iii. The site is subject to Chapter 3745-20 of the Ohio Administrative Code and 40 CFR Part 61, Subpart M.

2. There shall be no open burning in violation of Ohio Administrative Code rule 3745-19 at this facility.

3. <u>Authority to Enter</u>

Pursuant to the authority of ORC section 3704.03(L), any representative of the Director may, upon presentation of proper identification, enter at any reasonable time upon any portion of the property where this landfill is located, including any improvements thereon, to make inspections, take samples, conduct tests, and examine records or reports pertaining to any emissions of air contaminants and any monitoring equipment, emissions control equipment, or methods. No operator or agent of this landfill shall act in any manner to refuse, hinder, or thwart this legal right of entry.

4. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements for 40 CFR Part 60 are also federally enforceable.

6. Compliance with 40 CFR Part 63, Subpart AAAA is determined in the same way it is determined for 40 CFR Part 60, Subpart WWW, including performance testing, monitoring of the collection system, continuous parameter monitoring, and other credible evidence. In addition, continuous parameter monitoring data (see A.III.3) are used to demonstrate compliance with the operating conditions for control systems.

7. In accordance with 40 CFR 63.1960, the permittee shall develop and implement a written startup, shutdown, and malfunction (SSM) plan according to the provisions in 40 CFR 63.6(e)(3). A copy of the SSM plan must be maintained on site.

Emissions Unit ID: P901

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P901 -Solid Waste Landfill with Active Gas Collection System and Open Flare (modification to PTI 03-16212, issued on October 21, 2004, to increase emissions associated with an increase in the authorized maximum daily waste receipt (AMDWR)	OAC rule 3745-20-05	See Section B.I.2.a.
	OAC rule 3745-20-06	See Section B.I.2.a.
	OAC rule 3745-20-07	See Section B.I.2.a.

2. Additional Terms and Conditions

2.a The requirements of this rule are equivalent to the requirements of OAC rule 3745-31-05(A)(3) contained in the State and Federally Enforceable Section of Part III for this emissions unit.

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None