Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

7/11/2011

Certified Mail

Facility ID: 1576001579
Permit Number: P0104572
County: Stark

Tim Vandersall
Countywide Recycling and Disposal Facility
3619 Gracemont Street Southwest
East Sparta, OH 44626

RE: DRAFT AIR POLLUTION TITLE V PERMIT
Permit Type: Renewal

Dear Permit Holder:

A draft of the OAC Chapter 3745-77 Title V permit for the referenced facility has been issued. The purpose of this draft is to solicit public comments. A public notice will appear in the Ohio EPA Weekly Review and the local newspaper, The Canton Repository. A copy of the public notice, the Statement of Basis, and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page,www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, Ohio 43216-1049

and

Canton City Health Department
420 Market Avenue
Canton, OH 44702-1544

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on processing the Title V permit will be made after consideration of comments received and oral testimony if a public hearing is conducted. You will then be provided with a Preliminary Proposed Title V permit and another opportunity to comment prior to the 45-day Proposed Title V permit submittal to U.S. EPA Region 5. The permit will be issued final after U.S. EPA review is completed and no objections to the final issuance have been received. If you have any questions, please contact Canton City Health Department at (330)489-3385.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager

Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA Region 5 -*Via E-Mail Notification*
Canton; Pennsylvania; West Virginia

Stark County

PUBLIC NOTICE
Issuance of Draft Air Pollution Title V Permit
Countywide Recycling and Disposal Facility

Issue Date: 7/11/2011
Permit Number: P0104572
Permit Type: Renewal
Permit Description: Title V Permit renewal for Non-hazardous waste Landfill.
Facility ID: 1576001579
Facility Location: Countywide Recycling and Disposal Facility
3619 Gracemont Avenue Southwest,
East Sparta, OH 44626
Facility Description: Solid Waste Landfill

The Director of the Ohio Environmental Protection Agency, 50 West Town Street, Columbus Ohio, has issued a draft action of an air pollution control Title V operating permit for the facility at the location identified above on the date indicated. Comments concerning this draft action, or a request for a public meeting, must be sent in writing no later than thirty (30) days from the date this notice is published. All comments, questions, requests for permit applications or other pertinent documentation, and correspondence concerning this action must be directed to Bud Keim at Canton City Health Department, 420 Market Avenue, Canton, OH 44702-1544 or (330)489-3385 . The permit, which includes a detailed description of the operations, and associated statement of basis for the permit requirements, can be downloaded from the Web page: www.epa.ohio.gov/dapc

Statement of Basis For Air Pollution Title V Permit

Facility ID:	1576001579
Facility Name:	Countywide Recycling and Disposal Facility
Facility Description:	Landfill for Non-hazardous waste.
Facility Address:	3619 Gracemont Avenue Southwest, East Sparta, OH 44626
Permit #:	P0104572, Renewal

This facility is subject to Title V because it is major for:

☐ Lead ☐ Sulfur Dioxide ☒ Carbon Monoxide ☐ Volatile Organic Compounds ☒ Nitrogen Oxides
☒ Particulate Matter ≤ 10 microns ☒ Single Hazardous Air Pollutant ☒ Combined Hazardous Air Pollutants
☒ Maximum Available Control Technology Standard(s)

A. Standard Terms and Conditions

Has each insignificant emissions unit been reviewed to confirm it meets the definition in OAC rule 3745-77-01 (U)?	Yes
Were there any "common control" issues associated with this facility? If yes, provide a summary of those issues and explain how the DAPC decided to resolve them.	No
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a minor permit modification per OAC rule 3745-77-08(C)(1)	N/A
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a significant permit modification per OAC rule 3745-77-08(C)(3)	N/A
Please identify the affected unit(s)and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a reopening per OAC rule 3745-77-08(D)	N/A

Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document resulting from a renewal per OAC rule 3745-77-08(E)	Affected units: F001 Facility Roadways, and P901 (prior F002) Landfill Operations, Chap. 31 Mod TVPTI P0104575, issued 03/31/2011. F004, F005, and F006 (Solidification Process) were shutdown. P015, P016, and P017 Diesel Engines (power to water pumps), Initial Installation TVPTI P0107768, was issued 03/15/2011.

B. Facility-Wide Terms and Conditions

Term and Condition (paragraph)	Basis		Comments
	SIP (3745- XX)	Other	
B.2.	77-07(A)(3)		Identification of EUs with applicable requirements.
B.4.		NSPS IIII MACT ZZZZ NESHAP A & M	IBR for P015 IBR for P016 & P017 IBR for P901
B.5.	25-03		Emergency episode requirement
B.6.		NSPS WWW MACT AAAA	IBR for P901 IBR for P901

C. Emissions Unit Terms and Conditions

Key:
EU = emissions unit ID
ND = negative declaration (i.e., term that indicates that a particular rule(s) is (are) not applicable to a specific emissions unit)
OR = operational restriction
M = monitoring requirements
St = streamlining term used to replace a PTI monitoring, record keeping, or reporting requirement with an equivalent or more stringent requirement
ENF = did noncompliance issues drive the monitoring requirements?
R = record keeping requirements
Rp = reporting requirements
ET = emission testing requirements (not including compliance method terms)
Misc = miscellaneous requirements

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other												

F001	No VE's RACM	31-05(A)(3)		N	N	Y	N	N	Y	N	Y	N	Y	NA	OR – none; see BAT requirements in Additional T&Cs M, R, and Rp – daily monitoring & recording; records available for inspection upon request. ET – annual fugitive PE & PM_{10} limit compliance demonstrated using latest AP-42 EFs & equations.
F001	No applicable limitation	17-07(B) 17-08(B)		Y	N	N	N	N	N	N	N	N	N	NA	No limits since this facility is not located in an Appendix A area.
P015	1.79 tpy CO 8.28 tpy NOx 20% opacity	31-05(A)(3) 17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	Y	BAT requirement limits. OR, M, Rp & ET – IBR NSPS IIII & MACT ZZZZ
P016 & P017	4.58 tpy NOx; 2.93 tpy CO 1.09 tpy OC 13.58 tpy NOx 20% opacity	31-05(A)(3) 17-07(A)		N	Y	Y	N	N	Y	N	Y	N	Y	Y	BAT requirement limits. OR, M, Rp & ET – IBR MACT ZZZZ
P901	1.63 tpy PM fug. 9.95 tpy OC 8.25 tpy VOC 9.77 tpy HCl	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	Y	BAT requirement limits: fugitive PM emissions; and flare controlled emissions of OC, VOC and HCl.
P901	**<u>Fugitives:</u>** 88.6 tpy NMOC 33.9 tpy VOC 8,295 tpy CH4 69.2 tpy HAPs 11.4 tpy HAP 20% opacity; <u>Flare</u> : 74.0 tpy NOx 402.6 tpy CO 19.49 tpy SO2		ORC 3704.03(T) NSPS - WWW MACT - AAAA	N	Y	Y	N	N	Y	N	Y	N	Y	N	State BAT, Chap. 31 Mod TVPTI P0104574, with limits: fugitive emissions for NMOC, VOC, CH4, HAP and visible fugitive PE; and flare controlled emissions of NOx, CO, SO2, HAPs and PM_{10}. OR, M, RP & ET – IBR NSPS WWW, MACT AAAA and NESHAP A & M.

	11.43 tpy HAPs 17.02 tpy PM10														
P901	Alternative Timeline Approved; and HOV Temperature Approved	77-07(C)	OM&M Plan	N	Y	Y	N	N	Y	N	Y	N	Y	N	Requirements of OM&M Plan until subsurface aluminum dross exothermic reaction terminates; and USEPA approved HOV temperature of 210° F until well temperatures drop to ≤ 131° F.

Ohio | Environmental Protection Agency

DRAFT

Division of Air Pollution Control
Title V Permit
for
Countywide Recycling and Disposal Facility

Facility ID:	1576001579
Permit Number:	P0104572
Permit Type:	Renewal
Issued:	7/11/2011
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Ohio Environmental Protection Agency

Division of Air Pollution Control
Title V Permit
for
Countywide Recycling and Disposal Facility

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Authorization

Facility ID: 1576001579
Facility Description: Landfill for Non-hazardous waste.
Application Number(s): A0037071, A0037154, A0040104, A0041944
Permit Number: P0104572
Permit Description: Title V Permit renewal for Non-hazardous waste Landfill.
Permit Type: Renewal
Issue Date: 7/11/2011
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number: P0100994

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

Countywide Recycling and Disposal Facility
3619 Gracemont Avenue Southwest
East Sparta, OH 44626

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Canton City Health Department
420 Market Avenue
Canton, OH 44702-1544
(330)489-3385

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Canton City Health Department. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months (540 days) and no later than 6 months (180 days) prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions

(2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions

(3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(Authority for term: ORC 3704.036(A))

2. Monitoring and Related Record Keeping and Reporting Requirements

a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

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

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) The operating conditions existing at the time of sampling or measurement.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

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 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.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c) The permittee shall submit required reports in the following manner:

(1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e.,

postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed

adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

(4) 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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."

(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Canton City Health Department.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a) a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b) as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

(Authority for term: OAC rule 3745-77-07(A)(4))

5. 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.

(Authority for term: OAC rule 3745-77-07(A)(5))

6. 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.

(Authority for term: OAC rule 3745-77-07(A)(6))

7. 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 reissuance, or modification, or for denial of a permit renewal application.

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, reopened, revoked, or revoked and reissued, for cause, in accordance with Standard Term and Condition A.11 below. 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, reopening 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.

(1) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; orthe permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; ora combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminent sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.

(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. 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.

(Authority for term: OAC rule 3745-77-07(A)(8))

9. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

(Authority for term: OAC rule 3745-77-07(A)(9))

10. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.

(Authority for term: OAC rule 3745-77-07(A)(10))

11. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

a) Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b) This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c) The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

12. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of 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, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

(Authority for term: OAC rule 3745-77-07(B))

13. Compliance Requirements

a) Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V 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:

(1) 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.

(2) 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 paragraph (E) of OAC rule 3745-77-03.Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

(3) 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:

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

(2) 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.

d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

(1) Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted (i.e., postmarked) on or before April 30th of each year during the permit term.

(2) Compliance certifications shall include the following:

a. An identification of each term or condition of this permit that is the basis of the certification.

b. The permittee's current compliance status.

c. Whether compliance was continuous or intermittent.

d. The method(s) used for determining the compliance status of the source currently and over the required reporting period.

e. Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

(3) Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

14. Permit Shield

a) Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b) This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

(Authority for term: OAC rule 3745-77-07(F))

15. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

16. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

(Authority for term: OAC rule 3745-77-07(G))

17. Off-Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

a) The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.

b) The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that

qualify as insignificant emissions levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.

c) The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).

d) The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e) The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit-to-install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(Authority for term: OAC rule 3745-77-07(I))

18. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

(This term is provided for informational purposes only.)

19. Insignificant Activities or Emissions Levels

Each IEU that has one or more applicable requirements shall comply with those applicable requirements.

(Authority for term: OAC rule 3745-77-07(A)(1))

20. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-07(A)(1))

21. 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.

(Authority for term: OAC rule 3745-77-07(A)(1))

22. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or record keeping 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 (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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.)Records Retention Requirements Under State Law Only

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.

25. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. 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, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

(Authority for term: OAC rule 3745-77-07(C))

26. 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 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. 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 emissions unit(s) that is (are) served by such control system(s).

27. 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.

(Authority for term: OAC rule 3745-77-01(C))

28. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a) where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or

b) where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or

c) where the company's responsible official has certified that an emissions unit has been permanently shut down.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) 3

2. The following insignificant emissions units at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit. The insignificant emissions units listed below are subject to one or more applicable requirement contained in a permit-to-install or in the SIP-approved versions of OAC Chapters 3745-17, 3745-18 and 3745-21 and 40 CFR, Part 63, Subpart WWWW:

EU ID	Operations, Property and/or Equipment Descrription
G001	Diesel fuel dispensing facility; 8,000 gallon tank, IEU Permit Exempt; PTI 15-594 is revoked.
P010	One 220 HP John Deere Diesel, Wacker G160 generator (G0107) used as "emergency" back-up power for either Flare #7 or #2, South Flare Compound (GN064239)
P011	One 220 HP John Deere Diesel, Wacker G160 generator #1 used as “emergency” back-up power Southwest Lift Station (GN093859)
P012	One 220 HP John Deere Diesel, Wacker G160 generator #2 used as “emergency” back-up power West End Isolation Break (GN065145)
P013	One 220 HP John Deere Diesel, Wacker G160 generator (G0707) used as "emergency" back-up power for either Flare #10 or #4, North Flare Compound (GN066785)
P014	One 220 HP John Deere Diesel, Wacker G160 generator used as "emergency" back-up power for North Lift Compound (GN065604)
P018	49.5 HP Ingersoll-Rand 175 Deutz diesel engine power to portable air compressor; NON-ROAD ENGINE per 3745-31-03(A)
P019	24 HP Amida AL4000 Kubota diesel D905-5 engine power to light stand; NON-ROAD ENGINE per 3745-31-03(A)
P020	18 HP Gorman-Rupp 83B2-B diesel Kohler Magnum 18 engine power to water pump; NON-ROAD ENGINE per 3745-31-03(A)
P021	5.5 HP Yamaha gas engine power to water pump; NON-ROAD ENGINE per 3745-31-03(A)

[OAC rule 3745-77-07(A)(3)]

3. The following insignificant emissions units are exempt from permit requirements because they are not subject to any applicable requirements or because they meet the “de minimis” criteria established in OAC rule 3745-15-05.

EU ID	Operations, Property and/or Equipment Descrription
T014	500,000 gallon leachate tank
T015	500,000 gallon leachate tank
T016	AST #1; 30,000 gallon above ground storage tank (AST) for leachate generated by the landfill, located south of Cell #5A
T017	AST #2; 30,000 gallon above ground storage tank (AST) for leachate generated by the landfill, located north of Cell #1
T018	Temporary storage of leachate in a concrete vault (10 ft x 15 ft) within Cell #1.

4. The following emissions unit contained in this permit is subject to New Source Performance Standards (NSPS) 40 CFR Part 60, Subpart IIII, and National Emissions Standards for Hazardous Air Pollution (NESHAP) 40 CFR Part 63 Subpart ZZZZ, Maximum Achievable Control Standards (MACT): P015, Diesel Engine Water Pump.

   The following emissions units contained in this permit are subject to NESHAP 40 CFR Part 63 Subpart ZZZZ, MACT: P016 and P017, Diesel Engine Water Pumps.

   The following emissions unit contained in this permit is subject to New Source Performance Standards (NSPS) 40 CFR Part 60, Subpart WWW, National Emission Standard for Hazardous Air Pollutants (NESHAPs) 40 CFR Part 61, Subparts A and M, and the NESHAP 40 CFR Part 63, Subpart AAAA Maximum Achievable Control Technology (MACT): P901, MSW Landfill Operations.

   The complete NSPS and NESHAP/MACT requirements, including the NSPS and NESHAP/MACT General Provisions, may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the Canton LAA at CCHD, APCD.

   The design plan required in this section has been submitted to the Ohio EPA's Stark County representative, Canton LAA, located at the Canton City Health Department (CCHD), Air Pollution Control Division (APCD). Additionally, the amended design plan submitted on December 15, 2006 included appropriate alternatives to the operational standards, test methods, procedures, compliance measures, monitoring, recordkeeping or reporting provisions of Sections 60.753 through 60.758 proposed by the permittee. The permittee has continued to provide updated as-built drawings of the system in its semi-annual NSPS GCCS reports. The gas collection and control system design plan conforms with specifications for active collection systems in 60.759.

   Many site specific factors must be taken into consideration in landfill gas systems design and alternative systems may be necessary.

5. This facility is subject to the applicable requirements specified in OAC Chapter 3745-25. In accordance with Ohio EPA Engineering Guide #64, the emission control action programs, as specified in OAC rule 3745-25-03, shall be developed and submitted within 60 days after receiving notification from the Ohio EPA.

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

   a) National Emission Standards for Hazardous Air Pollutants (NESHAP) for existing and new municipal solid waste (MSW) landfills are established within 40 CFR Part 63, Subpart AAAA, § 63.1930. This subpart requires all landfills described in § 63.1935 to meet the requirements of 40 CFR Part 60, Subpart Cc or WWW and requires timely control of bioreactors. This subpart also requires such landfills to meet the Startup, Shutdown, and Malfunction (SSM) requirements of the general provisions of this part and provides that compliance with the operating conditions shall be demonstrated by parameter monitoring results that are within the specified ranges. It also includes additional reporting requirements.

   b) Pursuant to § 63.1940, an affected source is defined as follows:

      (1) An affected source of this subpart is a MSW landfill, as defined in § 63.1990, that meets the criteria in § 63.1935(a) or (b). The affected source includes the entire disposal facility

in a contiguous geographic space where household waste is placed in or on land, including any portion of the MSW landfill operated as a bioreactor.

(2) A new affected source of this subpart is an affected source that commenced construction or reconstruction after November 7, 2000. An affected source is reconstructed if it meets the definition of reconstruction in 40 CFR 63.2 of Subpart A.

(3) An affected source of this subpart is existing if it is not new.

c) Based upon the above definition, Countywide Recycling and Disposal Facility (CWRDF) is an existing affected source. Pursuant to § 63.1945(d), "If your landfill is an existing affected source and is a major source or is collocated with a major source, you must comply with the requirements in § 63.1955(b) and § 63.1960 through § 63.1980 by the date your landfill is required to install a collection and control system by § 60.752(b)(2), the Federal plan, or EPA approved and effective State or tribal plan that applies to your landfill or by January 13, 2004, whichever occurs later." As such, compliance with this subpart was required by January 13, 2004.

d) Pursuant to § 63.1950, the permittee is no longer required to comply with the requirements of this subpart when it is no longer required to apply controls as specified in 40 CFR § 60.752(b)(2)(v).

e) Pursuant to § 63.1955, the permittee is required to comply with the requirements of 40 CFR Part 60, Subpart WWW. If you are required by 40 CFR § 60.752(b)(2) to install a collection and control system, you must comply with the requirements in § 63.1960 through § 63.1985 and with the general provisions of this part specified in Table 1 of this subpart. For approval of collection and control systems, which include any alternatives to the operational standards, test methods, procedures, compliance measures, monitoring, record keeping or reporting provisions, you must follow the procedures in 40 CFR § 60.752(b)(2). If alternatives have already been approved under 40 CFR Part 60 Subpart WWW, these alternatives can be used to comply with this subpart, except that all affected sources must comply with the SSM requirements in 40 CFR Part 63, Subpart A as specified in Table 1 of this subpart, and all affected sources must submit compliance reports every 6 months as specified in § 63.1980(a) and (b). These reports include information on all deviations that occurred during the 6-month reporting period. Deviations for continuous emission monitors or numerical continuous parameter monitors must be determined using a 3-hour monitoring block average.

f) Pursuant to § 63.1960, compliance 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, collected under 40 CFR § 60.756(b)(1), (c)(1), and (d) of Subpart WWW, are used to demonstrate compliance with the operating conditions for control systems. If a deviation occurs, you have failed to meet the control device operating conditions described in this subpart and have deviated from the requirements of this subpart. Finally, you must develop and implement a written SSM plan according to the provisions in 40 CFR § 63.6 (e)(3). A copy of the SSM plan must be maintained on site. Failure to write, implement, or maintain a copy of the SSM plan is a deviation from the requirements of this subpart.

g) Pursuant to § 63.1965, a deviation is defined in § 63.1990. For the purposes of the landfill monitoring and SSM plan requirements, deviations include the items in paragraphs (1) through (3) of this section.

(1) A deviation occurs when the control device operating parameter boundaries described in 40 CFR 60.758(c)(1) of Subpart WWW are exceeded.

(2) A deviation occurs when 1 hour or more of the hours during the 3-hour block averaging period does not constitute a valid hour of data. A valid hour of data must have measured values for at least three 15-minute monitoring periods within the hour.

(3) A deviation occurs when an SSM plan is not developed, implemented, or maintained on site.

h) Pursuant to § 63.1975, averages are calculated in the same way as they are calculated in 40 CFR Part 60, Subpart WWW, except that the data collected during the events listed in paragraphs (1) through (4) of this section are not to be included in any average computed under this subpart:

(1) Monitoring system breakdowns, repairs, calibration checks, and zero (low-level) and high-level adjustments.

(2) Startups.

(3) Shutdowns.

(4) Malfunctions.

i) Pursuant to § 63.1980(a), the permittee shall keep records and reports as specified in 40 CFR Part 60, Subpart WWW, with one exception: You must submit the annual report described in 40 CFR 60.757(f) every 6 months.

j) Pursuant to § 63.1980(b), the permittee must also keep records and reports as specified in the general provisions of 40 CFR Part 60 and this part as shown in Table 1 of this subpart. Applicable records in the general provisions include items such as SSM plans and the SSM plan reports.

k) Pursuant to § 63.1985(a), this subpart can be implemented and enforced by the U.S. EPA or Ohio EPA.

l) Pursuant to § 63.1990, terms used in this subpart are defined in the Clean Air Act, 40 CFR Part 60, Subparts A, Cc, and WWW; 40 CFR Part 62, Subpart GGG, and Subpart A of this part, and this section that follows:

(1) Deviation means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

(a) fails to meet any requirement or obligation established by this subpart, including, but not limited to, any emissions limitation (including any operating limit) or work practice standard;

(b) fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or

(c) fails to meet any emission limitation, (including any operating limit), or work practice standard in this subpart during SSM, regardless of whether or not such failure is permitted by this subpart.

(2) Emissions limitation means any emission limit, opacity limit, operating limit, or visible emissions limit.

(3) EPA approved State plan means a State plan that EPA has approved based on the requirements in 40 CFR Part 60, Subpart B to implement and enforce 40 CFR Part 60, Subpart Cc. An approved State plan becomes effective on the date specified in the notice published in the Federal Register announcing EPA's approval.

(4) Federal plan means the EPA plan to implement 40 CFR Part 60, Subpart Cc for existing MSW landfills located in States and Indian country where State plans or tribal plans are not currently in effect. On the effective date of an EPA approved State or tribal plan, the Federal plan no longer applies. The Federal plan is found at 40 CFR Part 62, Subpart GGG.

(5) Municipal solid waste landfill or MSW landfill means an entire disposal facility in a contiguous geographical space where household waste is placed in or on land. A municipal solid waste landfill may also receive other types of RCRA Subtitle D wastes (see Section 257.2 of this chapter) such as commercial solid waste, nonhazardous sludge, conditionally exempt small quantity generator waste, and industrial solid waste. Portions of a municipal solid waste landfill may be separated by access roads. A municipal solid waste landfill may be publicly or separated by access roads. A municipal solid waste landfill may be publicly or privately owned. A municipal solid waste landfill may be a new municipal solid waste landfill, an existing municipal solid waste landfill, or a lateral expansion.

(6) Work practice standard means any design, equipment, work practice, or operational standard, or combination thereof, that is promulgated pursuant to section 112(h) of the Clean Air Act.

m) As stated in § 63.1955 and § 63.1980, you must meet each requirement in the following table that applies to you.

Table 1 of Subpart AAAA of Part 63: Applicability of NESHAP General Provisions to Subpart AAAA		
Part 63 Citation	**Description**	**Explanation**
63.1(a)	Applicability: general applicability of NESHAP in this part.	Affected sources are already subject to the provisions of paragraphs (a)(10)-(12) through the same provisions under 40 CFR, Part 60 Subpart A.
63.1(b)	Applicability determination for stationary sources.	
63.1(e)	Title V permitting.	
63.2	Definitions.	
63.4	Prohibited activities and circumvention.	Affected sources are already subject to the provisions of paragraph (b) through the same provisions under 40 CFR Part 60, Subpart A.
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources.	
63.6(e)	Operation and maintenance requirements, startup, shutdown and malfunction plan provisions.	
63.6(f)	Compliance with non-opacity emission standards.	Affected sources are already subject to the provisions of paragraphs (f)(1) and (2)(i) through the same provisions under 40 CFR Part 60, Subpart A.
63.10(b)(2)(i)-(b)(2)(v)	General record keeping requirements	
63.10(d)(5)	If actions taken during a startup, shutdown and malfunction plan are consistent with the procedures in the startup, shutdown and malfunction plan, this information shall be included in a semi-annual startup, shutdown and malfunction plan report. Any time an action taken during a startup, shutdown and malfunction plan is not consistent with the startup, shutdown and malfunction plan, the source shall report actions taken within 2 working days after commencing	

Table 1 of Subpart AAAA of Part 63: Applicability of NESHAP General Provisions to Subpart AAAA		
Part 63 Citation	**Description**	**Explanation**
	such actions, followed by a letter 7 days after the event.	
63.12(a)	These provisions do not preclude the State from adopting and enforcing any standard, limitation, etc., requiring permits, or requiring emissions reductions in excess of those specified.	
63.15	Availability of information and confidentiality.	

C. Emissions Unit Terms and Conditions

1. F001, Facility Roadways and Parking Areas

Operations, Property and/or Equipment Description:

Vehicle travel on facility paved and unpaved roadways and parking areas as modified in the Chapter 31 Modification permit TVPTI P0104574 dated March 31, 2011. The modification allows the use of the most recent AP-42 emission calculation procedures and the increased activity required by a separate Operations, Maintenance and Monitoring (OM&M) Plan.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI P0104574 issued 03/31/2011)	137.52 tons/year of fugitive particulate matter of 10 microns or less (PM_{10}). 543.31 tons/year of fugitive particulate emissions (PE). Paved roadways and parking areas – no visible PE except for one (1) minute period during any 60-minute period. Unpaved roadways and parking areas – no visible PE except for three (3) minutes during any 60-minute period. The permittee shall implement best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)a. through b)(2)f. below.
b.	OAC rule 3745-17-07 (B)	See b)(2)g. below.
c.	OAC rule 3745-17-08 (B)	See b)(2)h. below.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures on all paved and unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to treat the paved and unpaved roadways and parking areas by application of chemical stabilization/dust suppressants, vehicle undercarriage wash system, gravel application on unpaved roads, street sweeping on paved roads and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

b. 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 paved and/or unpaved roadways and parking areas during freezing conditions when they 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.

c. The permittee shall promptly remove by use of a street sweeper or other appropriate method, 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.

d. 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.

e. 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.

f. Any unpaved roadway or parking area that is subsequently paved is required to meet the requirements for paved roadways and parking areas.

g. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

h. This facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of each of the roadway segments and parking areas in accordance with the following frequencies:

roadways and parking areas	minimum inspection frequency
all paved roads and parking areas	daily (while in operation)
all unpaved roads and parking areas	daily (while in operation)

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(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 inspections shall be necessary for a roadway or parking area that is not in operation, or if the entire facility is closed, 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.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(3) 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 operational status, 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 d)(3)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

e) Reporting Requirements

(1) The permittee shall submit deviation reports 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 not to be implemented as a result of inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:

a. Emission Limitations:

137.52 tons/year of fugitive PM_{10}

543.31 tons/year of fugitive PE

Applicable Compliance Method:

Compliance with fugitive PE and PM_{10} limitations shall be determined by using the emission factor equations in Section 13.2.1 and 13.2.2, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 11/06) for paved and unpaved roadways, and inputs from the September 2010 application. Should further updates in AP-42 occur, the most current equations for paved and unpaved roads shall be used.

b. Emission Limitation:

No visible PE from paved roadways and parking areas except for a period of time not to exceed one (1) minute during any 60-minute observation 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”).

c. Emission Limitation:

No visible PE from unpaved roadways and parking areas except for a period of time not to exceed three (3) minutes during any 60-minute observation 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").

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

g) Miscellaneous Requirements

(1) None.

2. P015, 61 HP Diesel Engine Water Pump

Operations, Property and/or Equipment Description:

61 HP non-emergency stationary diesel engine (John Deere, Model 4024T, year 2010, serial # PE4024T152679) compression ignition (CI) internal combustion engine (ICE) operating a water pump for Cell #14.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) g)(1)

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01 (PTI P0107768 issued 03/15/2011)	Carbon monoxide (CO) emissions shall not exceed 0.41 pound per hour and 1.79 tons per year. Nitrogen oxide (NO_x) emissions shall not exceed 1.89 pounds per hour and 8.28 tons per year. See b)(2)a.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)b.
c.	OAC rule 3745-17-11(B)(5)(a)	Particulate Emissions (PE) shall not exceed 0.310 pound/MMBtu actual heat input.
d.	OAC rule 3745-17-07(A)	Visible emissions exiting any stack serving this emission unit shall not exceed 20 percent opacity, as a six minute average, except as provided by rule
e.	OAC rule 3745-18-06(B)	See b)(2)c.
f.	OAC rule 3745-21-08(B)	See b)(2)d.
g.	40 CFR 60, Subpart IIII (40 CFR 60.4200-4219) (In accordance with 40 CFR Part 60.4200(a)(1)(i), this emission unit is	Compliance with the manufacturer's emission standards in 60.4201 of NSPS Part 60 Subpart IIII.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	a compression ignition (CI) internal combustion engine (ICE) with a displacement of less than 30 liters per cylinder where the model year is 2007 or later)	
h.	40 CFR 60.1-19 (40 CFR 60.4218)	Table 8 of Subpart IIII of 40 CFR Part 60 - Applicability of General Provisions to Subpart IIII.
i.	40 CFR Part 63, Subpart ZZZZ (40 CFR 63.6580-6675) [In accordance with NESHAP/MACT 40 CFR Part 63.6580, this emissions unit is a stationary reciprocating internal combustion engine (RICE).]	By May 3, 2013 comply with the applicable requirements of NESHAP 40 CFR Part 63, Subpart ZZZZ MACT. Compliance with the NESHAP 40 CFR Part 63 Subpart ZZZZ MACT, for new stationary CI RICE located at a major source for HAPs is demonstrated through compliance with the NSPS, 40 CFR Part 60 Subpart IIII.
j.	40 CFR 63.1-15 (40 CFR 63.6665)	Table 8 to Subpart ZZZZ of 40 CFR Part 63 -Applicability of General Provisions to ZZZZ.

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutant less than ten tons per year. However, that rule revision has not yet been approved by the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirements to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once the U.S. EPA approves the December 1, 2006, version of 3745-31-05, then these emission limits/control measures no longer apply.

b. This rule paragraph applies once U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05 as part of the State Implementation Plan. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the CO and NO_x emissions from this air contaminant source since the uncontrolled potential to emit for CO, and NO_x is less than 10 tons/year.

c. OAC rule 3745-18-06(B) exempts stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 MMBtu/hr from the

sulfur dioxide emission limit in OAC rule 3745-18-06(G). This emissions unit has a rated heat input of less than 10 MMBtu/hr.

d. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC paragraph 3745-21-08(B). On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On June 24, 2003, that rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, that rule revision has not yet been approved by the U.S. EPA. Therefore, until the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

e. The permittee shall comply with the following applicable requirements identified in 40 CFR Part 60 subpart IIII.

40 CFR 60.4200(a)(2)(i) and 40 CFR 60.4200(a)(3)	The provisions of NSPS Subpart IIII are applicable to any CI ICE manufactured after 4/1/06 and ordered after 7/11/05; or any CI ICE modified or reconstructed after 7/11/05.
40 CFR 60.4204(b)	2007 and later model year non-emergency stationary CI ICE with a displacement of less than 30 liters/cylinder must comply with the manufacturer's emission standards in 60.4201 to Part 60 Subpart IIII.
40 CFR 60.4201(a)	2007 and later model year (prior to model year in 40 CFR 1039.1 Table 1, Part 1039 Applicability by Model Year) non-emergency stationary CI ICE with a displacement of less than 10 liters/cylinder and less than or equal to 3,000 HP must be certified by the manufacturer to the applicable emission standards in 40 CFR 89.112and 89.113 or 40 CFR 1039, as identified for the same model year and maximum engine power.
40 CFR 60.4208	Deadlines for installing stationary CI ICE produced in the previous model year.
40 CFR 60.4218	Table 8 to NSPS Subpart IIII shows which parts of the General Provisions in § 60.1 through § 60.19 that apply to the CI ICE.
40 CFR 63.6590(c)	Compliance with the NESHAP, Part 63 Subpart ZZZZ, for new stationary CI RICE located at an area source for HAPs and/or new stationary CI RICE less than or equal to 500 brake HP located at a major source for HAPs is demonstrated through compliance with the NSPS, Part 60 Subpart IIII.

f. The quality of the diesel fuel burned in this emissions unit shall meet the following specifications on an "as received" basis:

i. a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.0015 pound sulfur dioxide/MMBtu actual heat input; and 15 ppm sulfur per gallon of oil or 0.0015% sulfur by weight;

ii. a cetane index of 40 or an aromatic content of 35 volume percent; and

iii. greater than 135,000 Btu/gallon of oil.

Compliance with the above-mentioned specifications shall be determined by using the analytical results provided by the permittee or oil supplier for each shipment of oil.

[Authority for Term: OAC rule 3745-77-07(C)(1) and 40 CFR 80.510(b)]

c) Operational Restrictions

(1) The permittee shall burn only number 2 fuel oil or diesel fuel in this emissions unit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0107768]

(2) The permittee shall comply with the following applicable requirements identified in 40 CFR Part 60 subpart IIII.

40 CFR 60.4206 and 40 CFR 60.4211(a)	Operate and maintain CI ICE and any control device according to the manufacturer's written instructions, or procedures developed by the owner/operator that are approved by the manufacturer, over the entire life of the engine. Owner/operator must meet any requirements that apply to the CI ICE from: 40 CFR Part 89, Control of Emissions from New and In-use Non-road CI ICE; and Part 1068, the General Compliance Provisions for Engine Programs.
40 CFR 60.4207(b) and (c)	Compliance with 80.510(b) for the quality of diesel fuel burned in CI ICE less than 30 liters/cylinder; may petition the Director for an approval to use the remaining non-compliant fuel in pre-2011 model year engines for a period of up to 6 months.
40 CFR 60.4209(b)	If the stationary CI internal combustion engine is equipped with a diesel particulate filter to comply with the emission standards in 40 CFR 60.4204, the diesel particulate filter must be installed with a backpressure monitor that notifies the permittee when the high backpressure limit of the engine is approached.

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than number 2 fuel oil or diesel, and/or a non-complaint diesel fuel per 80.510(b), the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

40 CFR 60.4211(c)	Comply by purchasing the ICE as certified by the manufacturer to the NSPS emission standards identified in 40 CFR 89.112 and 89.113, for the same model year and maximum engine power. Install and configure ICE according to manufacturer's specifications. Maintain the records of the same.
40 CFR 60.4214(c)	If the stationary CI internal combustion engine is equipped with a diesel particulate filter to comply with the emission standards in 40 CFR 60.4204, the permittee shall keep records of the date, time, and any corrective action(s) taken in response to the notification from the backpressure monitor, that the high backpressure limit of the engine has been approached or exceeded.

(2) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of the diesel oil received and the oil supplier's (or permittee's) analyses for sulfur content, in parts per million per gallon (40 CFR 80.510) or percent by weight. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR 80.580, using the appropriate ASTM methods. These records shall be retained for a minimum of 5 years and shall be available for inspection by the Director or his/her representative.

[Authority for Term: 40 CFR 80.510(b), 40 CFR 63.6660, 40 CFR 63.10(b)(1) and PTI P0107768]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify each day when a fuel other than number 2 fuel oil or diesel was burned in the emissions unit. These deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0107768]

(2) The permittee shall comply with the following applicable requirements identified in 40 CFR Part 63, Subpart ZZZZ

40 CFR 80.510(b)	Identify in the quarterly deviation (excursion) reports any period of time (date and number of hours), during the reporting period, that the quality of oil burned in this emissions unit did not meet the requirements established in 40 CFR 80.510(b).
40 CFR 63.6640(e)	Submit in the quarterly deviation (excursion) reports each instance in which the applicable requirements in Table 8 to Subpart ZZZZ, the

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0107768]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:

a. Emissions Limitation:

CO emissions shall not exceed 0.41 pound per hour.

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum engine horsepower (61 hp) by (0.00668 lb/hp-hr) emission factor for CO; This emission factor is specified in U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3 Table 3.3-1 (10/2006). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 10.

b. Emissions Limitation:

NO_x emissions shall not exceed 1.89 pounds per hour.

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum engine horsepower (61 hp) by (0.031 lb/hp-hr) emission factor for NO_x; This emission factor is specified in U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3 Table 3.3-1 (10/2006). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 7E.

c. Emission Limitation:

CO emissions shall not exceed 1.79 tons/year and NO_x emissions shall not exceed 8.28 tons/year.

Applicable Compliance Method:

Compliance with the annual allowable emissions limitations shall be assumed as long as compliance with the allowable hourly emissions limit is maintained (each annual limitation was calculated by multiplying the hourly allowable emissions limit by 8760, and then dividing by 2000).

d. Emissions Limitation:

PE shall not exceed 0.310 pound/MMBtu actual heat input.

Applicable Compliance Method:

The emission factor found in U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3- 1(10/2006)

is equivalent to the emissions limitation of 0.310 pound/MMBtu actual heat input for PE. Therefore, compliance is assumed. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 5.

e. Emission Limitation:

Visible emissions exiting any stack serving this emission unit shall not exceed 20 percent opacity, as a six minute average, except as provided by rule.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

f. The permittee shall comply with the following applicable requirements identified in 40 CFR Part 60 subpart IIII.

40 CFR 60.4212(a) and (c)	If required and where demonstrating compliance through emissions testing, a performance test would be conducted according to the in-use testing procedures in 40 CFR 1039, Subpart F. The exhaust emissions must not exceed the not-to-exceed (NTE) numerical requirements, rounded to the same number of decimal places as the applicable standard in 40 CFR 89.112, where: NTE = 1.25 x the standard specified for each pollutant, for the same model year and maximum engine power as identified in 40 CFR 89.112. Alternatively, testing may follow the testing procedures specified in 40 CFR 60.4213, using the test methods identified in Table 7 for PM and NOx.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0107768]

g) Miscellaneous Requirements

(1) Modeling to demonstrate compliance with, the Toxic Air Contaminant Statute, ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

3. P016, 33.7 HP Diesel Engine Water Pump

Operations, Property and/or Equipment Description:

33.7 HP non-emergency stationary diesel engine (Caterpillar Model 3013C, year 2005, serial # T1102956) compression ignition (CI) reciprocating internal combustion engine (RICE) operating a water pump for sediment pond.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) g)(1)

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01 (PTI P0107768 issued 3/15/2011)	Nitrogen oxide (NO_x) emissions shall not exceed 1.05 pounds per hour and 4.58 tons per year. See b)(2)a.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)b.
c.	OAC rule 3745-17-11(B)(5)(a)	Particulate Emissions (PE) shall not exceed 0.310 pound/MMBtu actual heat input.
d.	OAC rule 3745-17-07(A)	Visible emissions exiting any stack serving this emission unit shall not exceed 20 percent opacity as a six minute average, except as provided by rule
e.	OAC rule 3745-18-06(B)	See b)(2)c.
f.	OAC rule 3745-21-08(B)	See b)(2)d.
g.	40 CFR Part 63 Subpart ZZZZ (40 CFR 63.6580 to 63.6675)	The existing stationary compression ignition (CI) reciprocating internal combustion engine (RICE), located at a major source for hazardous air pollutants (HAPs), shall meet the requirements of 40 CFR Part 63, Subpart ZZZZ no later than May 3, 2013.

	In accordance with 40 CFR 63.6585, this emissions unit is a stationary internal combustion engine (ICE) subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines.	
h.	40 CFR 63.6602 Table 2c #2 to Subpart ZZZZ	By 5/3/13, comply with the maintenance / operational requirements from the NESHAP for existing major source CI RICE less than 100 horsepower (HP).

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutant less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirements to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once the U.S. EPA approves the December 1, 2006, version of 3745-31-05, then these emission limits/control measures no longer apply.

b. This rule paragraph applies once U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05 as part of the State Implementation Plan. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the NOx emissions from this air contaminant source since the uncontrolled potential to emit for NO_x is less than 10 tons/year.

c. OAC rule 3745-18-06(B) exempts stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 MMBtu/hr from the sulfur dioxide emission limit in OAC rule 3745-18-06(G). This emissions unit has a rated heat input of less than 10 MMBtu/hr.

d. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC paragraph 3745-21-08(B). On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On June 24, 2003, that rule revision was submitted to the USEPA as a revision to Ohio's State Implementation Plan (SIP); however, that rule revision has not yet been

approved by the U.S. EPA. Therefore, until the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

e. The quality of the diesel fuel burned in this emissions unit shall meet the following specifications on an “as received” basis:

i. a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.0015 pound sulfur dioxide/MMBtu actual heat input; and 15 ppm sulfur per gallon of oil or 0.0015% sulfur by weight;

ii. a cetane index of 40 or an aromatic content of 35 volume percent; and

iii. greater than 135,000 Btu/gallon of oil.

Compliance with the above-mentioned specifications shall be determined by using the analytical results provided by the permittee or oil supplier for each shipment of oil.

f. The permittee shall comply with the following applicable requirements identified in 40 CFR Part 63, Subpart ZZZZ:

40 CFR 63.6595(a)(1)	The compliance date for Part 63 Subpart ZZZZ for existing CI RICE is 5/3/13.
Applicable Tables from Part 63, Subpart ZZZZ	Compliance requirements in Table 2c #2; continuous compliance in Table 6 #9; general provision from Subpart A in Table 8.
40 CFR 63.6602	Maintain compliance with operational limitations in Table 2c #2 (inspection and maintenance requirements) to Part 63 Subpart ZZZZ.
40 CFR 63.6665	Meet all of the general provisions of Subpart A, from Sections 63.1 through 63.15, that apply to the CI RICE, as identified in Table 8 to Subpart ZZZZ.

[Authority for Term: OAC rule 3745-77-07(C)(1), 40 CFR 80.510(b) and PTI P0107768]

c) Operational Restrictions

(1) The permittee shall burn only number 2 fuel oil or diesel fuel in this emissions unit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0107768]

(2) Following the compliance date of the NESHAP, 5/3/13, unless meeting the requirements of 40 CFR 63.6625(i), the permittee shall change the oil and filter every 1,000 hours of operation or annually, whichever comes first; shall inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first; and shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace them

as necessary. A log shall be maintained for the hours of operation between each oil and filter change and the date of each oil/filter change and inspection.

[Authority for Term: 40 CFR 63.6602, 40 CFR 63.6625(i), Table 2c to Subpart ZZZZ of Part 63, #2, OAC rule 3745-77-07(C)(1) and PTI P0107768]

(3) The permittee shall comply with the following applicable requirements identified in 40 CFR Part 63, Subpart ZZZZ:

OAC rule 3745-31-05(A)(3); and 40 CFR 80.510(b)	Compliance with 80.510(b) for the quality of diesel fuel burned CI ICE. Standard for diesel fuel oil.
40 CFR 63.6605	General duty to minimize emissions, with good air pollution control practices for minimizing emissions; and compliance required at all times.
40 CFR 63.6625(e)	Operate & maintain RICE according to mfg. instructions and develop a facility maintenance plan for the RICE that meets the requirements of Subpart ZZZZ Table 2c #2.
40 CFR 63.6625(h)	Minimize idle and startup time, not to exceed 30 minutes.
40 CFR 63.6625(i)	Oil analysis program, option to extend the oil change frequency.

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than number 2 fuel oil or diesel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0107768]

(2) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of the diesel oil received and the oil supplier's(or permittee's) analyses for sulfur content, in parts per million per gallon (40 CFR 80.510) or percent by weight. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR 80.580, using the appropriate ASTM methods. These records shall be retained for a minimum of 5 years and shall be available for inspection by the Director or his/her representative.

[Authority for Term: 40 CFR 80.510(b), 40 CFR 63.6660, 40 CFR 63.10(b)(1) and PTI P0107768]

(3) The permittee shall comply with the following applicable requirements identified in 40 CFR Part 63, Subpart ZZZZ:

40 CFR 63.6635	Except for monitor malfunctions, associated repairs, and required quality assurance activities, must continuously monitor that the RICE is operating. Must use all valid data (not recorded during malfunctions, repairs, or required quality assurance or control activities) in calculations used to report emissions or operating levels.

40 CFR 63.6655(a)	Keep records of: 1. each notification and report submitted to comply with Subpart ZZZZ; 2. the occurrence and duration of each malfunction of the RICE; and 3. corrective actions taken during each period of malfunction to minimize emissions and restore normal operations.
40 CFR 63.6640(a) and 40 CFR 63.6655(d)	Keep the records required in #9 of Table 6 to Subpart ZZZZ to demonstrate continuous compliance.
40 CFR 63.6655(e)(1)	Records of maintenance and inspections conducted in order to demonstrate compliance with Table 2c and to demonstrate that the RICE was operated and maintained according to the facility's maintenance plan.
OAC rule 3745-31-05(A)(3); and 40 CFR 80.510(b)	Maintain records for the quality of diesel fuel burned in the CI ICE, i.e., for the standards identified in 40 CFR 80.510(b).
40 CFR 63.6625(h)	Maintain a record of each idle and/or startup time that exceeded 30 minutes.
40 CFR 63.6660	Records readily available and retained for at least 5 years after the date of occurrence or date of report according to 63.10(b)(1).

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify each day when a fuel other than number 2 fuel oil or diesel was burned in the emissions unit. These deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0107768]

(2) The permittee shall comply with the following applicable requirements identified in 40 CFR Part 63, Subpart ZZZZ

40 CFR 80.510(b)	Identify in the quarterly deviation (excursion) reports any period of time (date and number of hours), during the reporting period, that the quality of oil burned in this emissions unit did not meet the requirements established in 40 CFR 80.510(b).
40 CFR 63.6640(e)	Submit in the quarterly deviation (excursion) reports each instance in which the applicable requirements in Table 8 to Subpart ZZZZ, the general provisions from Subpart A, were not met.

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:

a. Emissions Limitation:

NO_x emissions shall not exceed 1.05 pounds per hour.

Applicable Compliance Method :

Compliance shall be determined by multiplying the maximum engine horsepower (33.7 hp) by (0.031 lb/hp-hr) emission factor for NO_x; This emission factor is specified in U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3 Table 3.3-1 (10/2006). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 7E.

b. Emission Limitations:

NO_x emissions shall not exceed 4.58 tons/year.

Applicable Compliance Method:

Compliance with the annual allowable emissions limitations shall be assumed as long as compliance with the allowable hourly emissions limit is maintained (the annual limitation was calculated by multiplying the hourly allowable emissions limit by 8760, and then dividing by 2000).

c. Emissions Limitation:

PE shall not exceed 0.310 pound/MMBtu actual heat input.

Applicable Compliance Method:

The emission factor found in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3 Table 3.3-1(10/2006) is equivalent to the emissions limitation of 0.310 pound/MMBtu actual heat input for PE. Therefore, compliance is assumed. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 5.

d. Emission Limitation:

Visible emissions exiting any stack serving this emission unit shall not exceed 20 percent opacity as a six minute average, except as provided by rule.

Applicable Compliance Method

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0107768]

g) Miscellaneous Requirements

(1) Modeling to demonstrate compliance with, the Toxic Air Contaminant Statute, ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

4. P017, 100 HP Diesel Engine Water Pump

Operations, Property and/or Equipment Description:

100 HP non-emergency stationary diesel engine (Detroit Diesel, Model unknown, year 1985, serial# 3D0191463) compression ignition (CI) reciprocating internal combustion engine (RICE) operating a water pump for pond #1.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) g)(1)

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	Carbon monoxide (CO) emissions shall not exceed 0.67 pound per hour and 2.93 tons per year. Organic compound (OC) emissions shall not exceed 0.25 pound per hour and 1.09 tons per year. See b)(2)a.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	Nitrogen oxide (NO_x) emissions shall not exceed 3.10 pounds per hour and 13.58 tons per year. See b)(2)b.
c.	OAC rule 3745-17-11(B)(5)(a)	Particulate Emissions (PE) shall not exceed 0.310 pound/MMBtu actual heat input.
d.	OAC rule 3745-17-07(A)	Visible emissions exiting any stack serving this emission unit shall not exceed 20 percent opacity as a six minute average, except as provided by rule
e.	OAC rule 3745-18-06(B)	See b)(2)c.
f.	OAC rule 3745-21-08(B)	See b)(2)d.

g.	40 CFR Part 63 Subpart ZZZZ (40 CFR 63.6580 to 63.6675) In accordance with 40 CFR 63.6585, this emissions unit is a stationary internal combustion engine (ICE) subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines.	The existing stationary compression ignition (CI) reciprocating internal combustion engine (RICE), located at a major source for hazardous air pollutants (HAPs), shall meet the requirements of 40 CFR Part 63, Subpart ZZZZ no later than May 3, 2013.
h.	40 CFR 63.6602 Table 2c #3 to Subpart ZZZZ	Following the compliance date of 5/3/13, emissions of carbon monoxide (CO) shall not exceed 230 ppmvd at 15% O_2.
i.	40 CFR 63.1-15 (40 CFR 63.6665)	Table 8 to Subpart ZZZZ of 40 CFR Part 63 -Applicability of General Provisions to ZZZZ.

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutant less than ten tons per year. However, that rule revision has not yet been approved by the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirements to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006, version of 3745-31-05, then these emission limits/control measures no longer apply.

b. This rule paragraph applies once the U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05 as part of the State Implementation Plan. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the CO and OC from this air contaminant source since the uncontrolled potential to emit for CO and OC is less than 10 tons/year.

c. OAC rule 3745-18-06(B) exempts stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 MMBtu/hr from the sulfur dioxide emission limit in OAC rule 3745-18-06(G). This emissions unit has a rated heat input of less than 10 MMBtu/hr.

d. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC paragraph 3745-21-08(B). On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On June 24, 2003, that rule revision was submitted to the USEPA as a revision to Ohio's State

Implementation Plan (SIP); however, that rule revision has not yet been approved by the U.S. EPA. Therefore, until the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

e. The quality of the diesel fuel burned in this emissions unit shall meet the following specifications on an “as received” basis:

i. a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.0015 pound sulfur dioxide/MMBtu actual heat input; and 15 ppm sulfur per gallon of oil or 0.0015% sulfur by weight;

ii. a cetane index of 40 or an aromatic content of 35 volume percent; and

iii. greater than 135,000 Btu/gallon of oil.

Compliance with the above-mentioned specifications shall be determined by using the analytical results provided by the permittee or oil supplier for each shipment of oil.

f. The permittee shall comply with the following applicable requirements identified in 40 CFR Part 63, Subpart ZZZZ:

40 CFR 63.6595(a)(1)	The compliance date for Part 63 Subpart ZZZZ for existing CI RICE is 5/3/13.
Applicable Tables from Part 63, Subpart ZZZZ	Following the compliance date, comply with: emission limit in Table 2c #3; performance test methods in Table 4 #3; initial compliance demonstration in Table 5 #13; reporting requirements/frequency in Table 7; general provision from Subpart A in Table 8.
40 CFR 63.6602	Following the compliance date, maintain compliance with emission limitation in Table 2c #3 (limit CO to 230 ppmvd at 15% O_2) to Part 63 Subpart ZZZZ.
40 CFR 63.6602; 40 CFR 63.6612; and 40 CFR 63.6620	Conduct an initial performance test to demonstrate compliance with the CO emission standard according to the requirements specified in Tables 4 and 5 to the subpart within 180 days following the compliance date or by 11/3/13.
40 CFR 63.6665	Meet all of the general provisions of Subpart A, from Sections 63.1 through 63.15, that apply to the CI RICE, as identified in Table 8 to Subpart ZZZZ.

c) Operational Restrictions

(1) The permittee shall burn only number 2 fuel oil or diesel fuel in this emissions unit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0107768]

(2) The permittee shall comply with the following applicable requirements identified in 40 CFR Part 63, Subpart ZZZZ:

OAC rule 3745-31-05(A)(3); and 40 CFR 80.510(b)	Compliance with 80.510(b) for the quality of diesel fuel burned CI ICE. Standard for diesel fuel oil.
40 CFR 63.6605	General duty to minimize emissions, with good air pollution control practices for minimizing emissions; and compliance required at all times.
40 CFR 63.6625(h)	Minimize idle and startup time, not to exceed 30 minutes.

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than number 2 fuel oil or diesel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0107768]

(2) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of the diesel oil received and the oil supplier's (or permittee's) analyses for sulfur content, in parts per million per gallon (40 CFR 80.510) or percent by weight. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR 80.580, using the appropriate ASTM methods. These records shall be retained for a minimum of 5 years and shall be available for inspection by the Director or his/her representative.

[Authority for Term: 40 CFR 80.510(b), 40 CFR 63.6660, 40 CFR 63.10(b)(1), OAC rule 3745-77-07(C)(1) and PTI P0107768]

(3) The permittee shall comply with the following applicable requirements identified in 40 CFR part 63, subpart ZZZZ.

40 CFR 63.6635	Except for monitor malfunctions, associated repairs, and required quality assurance activities, must continuously monitor that the RICE is operating. Must use all valid data (not recorded during malfunctions, repairs, or required quality assurance or control activities) in calculations used to report emissions or operating levels.
40 CFR 63.6655(a)	Keep records of: 1. each notification and report submitted to comply with Subpart ZZZZ; 2. the occurrence and duration of each malfunction of the RICE and any control or monitoring equipment; 3. corrective actions taken during each period of malfunction to minimize emissions and restore normal operations; 4. records of performance tests; and 5. all required maintenance performed on air pollution control and monitoring equipment.

OAC rule 3745-31-05(A)(3); and 40 CFR 80.510(b)	Maintain records for the quality of diesel fuel burned in the CI ICE, i.e., for the standards identified in 40 CFR 80.510(b).
40 CFR 63.6625(h)	Maintain a record of each idle and/or startup time that exceeded 30 minutes.
40 CFR 63.6660	Records readily available and retained for at least 5 years after the date of occurrence or date of report according to 63.10(b)(1).

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify each day when a fuel other than number 2 fuel oil or diesel was burned in the emissions unit. These deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0107768]

(2) A comprehensive written report on the results of the performance tests, conducted to demonstrate compliance with 40 CFR 63.6602, shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0107768]

(3) The permittee shall comply with the following applicable requirements identified in 40 CFR Part 63, Subpart ZZZZ:

40 CFR 80.510(b)	Identify in the quarterly deviation (excursion) reports any period of time (date and number of hours), during the reporting period, that the quality of oil burned in this emissions unit did not meet the requirements established in 40 CFR 80.510(b).
40 CFR 63.6640(b)	Submit a report of each instance in which the emission limitation in Table 2c was not met; these deviations to be reported according to the requirements of 63.6650.
40 CFR 63.6640(e)	Submit a report of each instance in which the applicable requirements in Table 8 to Subpart ZZZZ, the general provisions from Subpart A, were not met.
40 CFR 63.6645(a)(1)	Submit all notifications required per 63.7(b) and (c); 63.8(e), (f)(4), and (f)(6); and 63.9(b) through (e), (g), and (h) that apply to the CI RICE
40 CFR 63.6645(g)	Submit a Notification of Intent to conduct a performance test at least 60 days before the test is scheduled to begin, as required by 63.7(b)(1).

40 CFR 63.6645(h); 40 CFR 63.6630(c); and OAC rule 3745-15-04(A)	Submit a Notification of Compliance Status for each initial compliance demonstration required in Table 5 to Subpart ZZZZ, including the performance test results, before the close of business on the 60th day following the completion of the test; or within 30 days of the initial compliance demonstration if the demonstration does not include a performance test. OAC rule 3745-15-04(A) requires performance test results to be submitted within 30 days of the test date unless additional time is requested.
40 CFR 63.6650(a)	Submit each applicable report in Table 7 of Subpart ZZZZ.
40 CFR 63.6650(b)(1) to (5) and Subpart ZZZZ Table 7 #1.a.i	Following the initial compliance date, submit Semiannual Compliance Reports to include the information identified in 63.6650(c) through (f), as applicable to the CI ICE. Following the initial compliance report, each subsequent report shall cover the reporting period from January 1st through June 30th and July 1st through December 31st. The Semiannual Compliance Reports must be postmarked or delivered no later than July 31st and January 31st.
40 CFR 63.6650(c)	63.6650(c) contains the required information to be submitted in each compliance report.
40 CFR 63.6650(d)	63.6650(d) contains the required information to be submitted for each deviation from an emission or operating limitation not monitored by a continuous monitoring system (CMS).

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:

a. <u>Emissions Limitation:</u>

CO emissions shall not exceed 0.67 pound per hour.

<u>Applicable Compliance Method</u>:

Compliance shall be determined by multiplying the maximum engine horsepower (100 hp) by (0.00668 lb/hp-hr) emission factor for CO; This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3 Table 3.3-1 (10/2006). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 10.

b. <u>Emissions Limitation</u>:

OC emissions shall not exceed 0.25 pound per hour.

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum engine horsepower (100 hp) by (0.00247 lb/hp-hr) emission factor for OC; This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3 Table 3.3-1 (10/2006). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 18, 25 or 25A.

c. Emissions Limitation:

NO_x emissions shall not exceed 3.10 pounds per hour.

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum engine horsepower (100 hp) by (0.031 lb/hp-hr) emission factor for NO_x; This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3 Table 3.3-1 (10/2006). If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 7E.

d. Emission Limitations:

CO emissions shall not exceed 2.93 tons/year, OC emissions shall not exceed 1.08 ton/year, and NO_x emissions shall not exceed 13.58 tons/year.

Applicable Compliance Method:

Compliance with the annual allowable emissions limitations shall be assumed as long as compliance with the allowable hourly emissions limit is maintained (each annual limitation was calculated by multiplying the hourly allowable emissions limit by 8760, and then dividing by 2000).

e. Emissions Limitation:

PE shall not exceed 0.310 pound/MMBtu actual heat input.

Applicable Compliance Method:

The emission factor found in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3 Table 3.3- 1(10/2006) is equivalent to the emissions limitation of 0.310 pound/MMBtu actual heat input for PE. Therefore, compliance is assumed. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 5.

f. Emission Limitation:

Visible emissions exiting any stack serving this emission unit shall not exceed 20 percent opacity as a six minute average, except as provided by rule.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0107768]

g) Miscellaneous Requirements

(1) Modeling to demonstrate compliance with, the Toxic Air Contaminant Statute, ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for install and obtain a new permit to install.

5. P901, MSW Landfill Operations

Operations, Property and/or Equipment Description:

Municipal Solid Waste (MSW) landfill disposal operations including: the operation of utility open flare control devices for the destruction of gases generated in the landfill; waste handling and compaction; material handling of miscellaneous soil materials associated with overburden and daily cover; and wind erosion. AMDWR remains at 7,800 tons per day. Landfill is comprised of both an "Operational Unit" and an 88 acre "Remediation Unit," cells 1- 6, regulated by the alternative requirements of a U.S. EPA approved Operations, Maintenance and Monitoring (OM&M) Plan.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) g)(6)

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OPERATIONAL UNIT (CELLS 7 – 16)		
a.	OAC rule 3745-31-05(A)(3) (PTI P0104574 issued 03/31/2011)	Fugitive particulate matter (PM) shall not exceed 1.63 tons per year. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)d. through b)(2)h.]. **Emissions from all control devices controlling emissions from this emissions unit shall be limited as follows:** 2.25 lbs of organic compounds (OC)/hour; 9.85 tons of OC/year; 1.88 lbs of volatile organic compounds (VOC)/hour; 8.25 tons of VOC/year; 2.23 lbs of hydrogen chloride (HCl)/hour 9.77 tons of HCl/year. See b)(2)a.

b.	ORC 3704.03(T)	86.8 tons of fugitive non-methane organic compounds (NMOC)/year 33.9 tons of fugitive volatile organic compounds (VOC)/year 8,295 tons of fugitive methane (CH_4)/year. 69.2 tons of fugitive HAP emissions/year. 11.4 tons of fugitive individual HAP emissions/year. Visible fugitive PE shall not exceed 20 percent opacity as a three-minute average. See b)(2)a. **Emissions from all control devices serving this emissions unit shall be limited as follows:** 16.89 lbs of nitrogen oxides (NO_x)/hour; 74.0 tons of NO_x/year; 91.9 lbs of carbon monoxide (CO)/hour; 402.6 tons of CO/year; 4.45 lbs of sulfur dioxide (SO_2)/hour; 19.49 tons of $S0_2$/year; 2.61 lbs of Total HAPs/hour; 11.43 tons of Total HAP/year; 3.89 lbs of particulate matter less than 10 microns (PM_{10})/hours; 17.02 tons of PM_{10}/year. (All particulate emissions from the control devices are PM_{10})
c.	40 CFR Part 60, Subpart WWW (40CFR Part 60.750-759) [In accordance with 60.750(a), this emission unit is a municipal solid waste landfill that commenced construction, reconstruction or modification on or after May 30, 1991.] 40 CFR 60.750	Operate a landfill gas collection and control system [40 CFR 60.752(b)(ii)]
d.	40 CFR Part 60 Subpart A 40 CFR 60.1-19	The provisions of this part apply to the owner of operator of any stationary source which contains

	40 CFR 60.1(a)	an affected facility subject to a standard in 40 CFR 60. No visible emissions from the open flare except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.
e.	40 CFR Part 63, Subpart AAAA (40 CFR Part 63.1930-1990) [In accordance with 63.1940(a) this emission unit will become an affected source when it meets the criteria in 40 CFR 63.1935(a) or (b).]	Start up, Shut down and Malfunction Plan and Semi-annual reports in accordance with 40 CFR 60.757(f) [40 CFR 63.1930]
f.	40 CFR Part 63 Subpart A 40 CFR 63.1-15 [40 CFR 63.1965]	Table 1 to Subpart AAAA of 40 CFR 63 – Applicability of General Provisions to Subpart AAAA shows which parts of the General Provisions of 40 CFR 63.1-15 apply.
g.	40 CFR Part 61, Subpart M (40 CFR 61.140-157) [In accordance with 63.194(a) the provisions of this subpart are applicable to those sources specified in 61.142 through 61.151, 61.154 and 61.155. As specified in 61.154 this emission unit is an active waste disposal site that receives asbestos-containing waste material from a source covered under 61.149, 61.150, or 61.155] (40 CFR 61.154)	See b)(2)h.
h.	40 CFR 61 Subpart A (40 CFR 61.01-19) (40 CFR 60.01(a))	The provisions of this part apply to substances that, pursuant to section 112 of the Act, have been designated as hazardous air pollutants. Asbestos (36 FR 5931; March 31, 1971)
i.	OAC rule 3745-20	This rule is equivalent to or less stringent than 40 CFR 61 Subpart M.
j.	OAC rule 3745-19	There shall be no open burning at the facility in violation of this rule.
k.	OAC rule 3745-17-08(B)	Exempt, pursuant to OAC 3745-17-08(A)(1). See b)(2)d.
l.	OAC rule 3745-17-07(B)(1)	Exempt, pursuant to OAC 3745-17-07(B)(11)(e). See b)(2)d.

REMEDIATION UNIT (CELLS 1 – 6)		
a.	40 CFR Part 60.753 40 CFR Part 60.753(g)	131°F See g)(1) through (5) terms and conditions
b.	OM&M Plan	Volume 1 and 2

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutant less than 10 tons per year. However, that rule revision has not yet been approved by the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirements to satisfy BAT still exist as part of the federally-approved SIP for Ohio. Once the U.S. EPA approves the December 1, 2006, version of 3745-31-05, then these emission limits/control measures no longer apply.

b. There are no applicable emission limitations/control measures from OAC rules 3745-17-08(B) and 3745-17-07(B) because the facility is not located in an Appendix A area as specified in OAC rule 3745-17-08.

c. The permittee shall ensure that solid wastes are deposited, spread, and compacted in such a manner as to minimize or prevent visible emissions of dust. All truckloads of solid waste shall be unloaded in a manner which will minimize the drop height of the solid wastes. Any dusty construction materials, soils or wastes likely to become airborne shall be watered or otherwise handled as necessary prior to, or during, dumping operations in order to minimize, or eliminate, visible emissions of fugitive dust. Watering shall be conducted in such a manner as to avoid the pooling of liquids and runoff. No dusty material shall be dumped during periods of high wind speed, unless the material has been treated ("Treated" means any of all of the following: employment of typical operational methods, watering, wind blocking, waste deposition in protected area, excavation and preparation of receiving area) to prevent fugitive dust emissions from becoming airborne.

d. The material handling activities that are covered by this permit and subject to the above-mentioned annual fugitive mass PM limitation and the visible fugitive PM limitation for operations are listed below:

i. waste handling (depositing, spreading, and compacting)

ii. landfill daily and intermediate cover handling

iii. wind erosion from landfill surfaces/storage piles

iv. general earthmoving and soil handling during landfill construction

v. landfill aggregate handling during landfill construction

e. The permittee shall employ best available control measures on all activities listed in b)(2)d. for the purpose of ensuring compliance with the above-mentioned applicable requirements (particulate emission limitations). In accordance with the permittee's permit application, the active and inactive storage piles are not typically determined to be a source of fugitive dust due to soil types stored within the piles. However, should it become necessary to control fugitive dust from the piles, the permittee has committed to employ appropriate corrective measures such as spraying with water to control fugitive dust. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

f. 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 if there is snow and/or ice cover or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements (particulate emission limitations). Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

g. Implementation of the above-mentioned control measures in accordance with the terms and condition of this permit is appropriate and sufficient to satisfy the Best Available Technology (BAT) requirements of OAC rule 3745-31-05.

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

ii. The permittee shall employ control measures, including the application of Best Available Technology (BAT), for the purpose of ensuring compliance with OAC rule 3745-15-07.

h. There shall be no visible emissions from asbestos-containing materials during on-site transportation, transfer, unloading deposition or compacting operations.

i. If at any time a total of 380 million SCF of landfill gas per month is combusted through the facility's currently permitted control devices, the monitoring and record keeping requirement contained in d)(1) below must be implemented. If the resulting heat content of the landfill gas is determined to be greater than 450 BTU/CF, the permittee shall reevaluate the MSW landfill potential to emit and submit necessary permit applications, as needed.

c) Operational Restrictions

(1) The permittee shall be limited to accepting for disposal no more than 2,847,000 tons of waste material per calendar year. The authorized maximum daily waste receipt (AMDWR) remains at 7,800 tons per DISWM PTI 02-23011 issued September 24, 2010.

(2) There shall be no open burning in violation of OAC Rule 3745-19 at this facility.

(3) The permittee shall comply with the applicable operation restrictions required under 40 CFR Part 60, Subpart WWW, including the following sections

40 CFR 60.753(a)	operate a collection system
40 CFR 60.753(b)	operate the collection system with negative pressure
40 CFR 60.753(c)	operate each interior wellhead in the collection system with a landfill gas temperature less than 55 degrees C and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent
40 CFR 60.753(d)	operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill.
40 CFR 60.753(e)	operate the collection system such that all collected gases are vented to a control system
40 CFR 60.753(f)	operate the control or treatment system at all times when the collected gas is routed to the system
40 CFR 60.753(g)	If monitoring demonstrates that the operational requirements are not met, corrective action shall be taken
40 CFR 60.755(e)	Subpart WWW shall apply at all times, except during periods of start-up, shutdown, or malfunction

(4) The permittee shall comply with the applicable operation restrictions required under 40 CFR Part 63, Subpart AAAA, including the following sections

40 CFR 63.1955	Comply with the requirements of 40 CFR Part 60, Subpart WWW

(5) The permittee shall comply with the applicable operation restrictions required under 40 CFR Part 61, Subpart M, including the following sections

40 CFR 61.154(a)	no visible emissions or comply with 61.154(c) or (d)
40 CFR 61.154(c)	cover asbestos waste with at least 6 inches of nonasbestos-containing material, or be covered with a dust suppression agent
40 CFR 61.154(d)	rather than meet the no visible emission requirement of 61.154(a), an alternative emissions control method may be used with prior approval
40 CFR 61.154(g)	upon closure comply with 40 CFR 61.151

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall conduct initial sampling of the LFG in accordance with 40 CFR 60.754(e) at a point prior to the inlet of the control device(s) within 60 days of exceeding the total contained in b)(2)i. above. Also, once the permittee has reached a total of 380

million SCF of landfill gas per month, the permittee shall begin conducting semi-annual sampling of the LFG and have it analyzed for natural gas properties in accordance with ASTM D 1946 (or equivalent) to determine methane content, heat content using ASTM 3588. The semi-annual sampling will be recorded and averaged annually for use in determining actual emissions. Flow records shall be combined with individual sampling location heat content results to determine the weighted average heat content for the facility.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(2) This permittee shall maintain monthly records of the following:

a. the amount of waste accepted;

b. amount of landfill gas, in scf, input to each of the individual control devices;

c. the number of hours that the individual control devices were operated; and

d. the total amount of landfill gas, in scf, combusted in all of the control devices.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(3) The permittee shall perform daily inspections to observe the following material handling activities when the activity(ies) is (are) being conducted:

a. waste handling (depositing, spreading and compacting)

b. landfill daily and intermediate cover handling

c. wind erosion from landfill surfaces

d. general earthmoving and soil handling during landfill construction

e. landfill aggregate handling during landfill construction

The inspections shall be documented and recorded as required in condition e)(6) below.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(4) No inspection shall be necessary when the material handling activity(ies) is (are) not being conducted, when there is snow and/or ice cover, and/or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned

visible fugitive PE limitation. Any required inspection that is not performed due to any of the above identified events shall be performed during the next inspection pursuant to the minimum inspection frequency.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(5) The purpose of the material handling activity(ies) inspections is to determine the need for implementing the control measures specified in this permit to minimize and eliminate visible emissions of fugitive dust from the activities. The inspections shall be performed during representative, normal landfill operating conditions.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(6) The permittee shall maintain a daily operations log which lists all of the above landfill activities (Note that if the records required in this Term and Condition exactly duplicate any records required under the facility's Division of Solid and Infectious Waste Management (DSIWM) permit, the DSIWM record will suffice to meet this Term and Condition). The daily operations log shall clearly indicate/contain the following:

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

b. the activities which were in operation;

c. each activity where it was determined by the person conducting the inspection that it was necessary to implement the control measures to meet the above-mentioned visible fugitive PE limitation;

d. whether control measures were employed to minimize or eliminate visible emissions of fugitive dust; and

e. with regards to the waste handling activities, the amount, in tons, of waste material accepted for disposal.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(7) The permittee shall maintain an annual cumulative (calendar year) record to be updated quarterly:

a. of days inspections were not performed by the required frequency; and

b. of days in which control measures were determined to be necessary by an inspector, but were not implemented.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(8) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 60, Subpart WWW, including the following sections

40 CFR 60.758(a)	shall keep for at least 5 years up-to-date, readily accessible, on-site records of the design capacity report
40 CFR 60.756(a)	monitoring requirements for the gas collection system
40 CFR 60.756(b)	monitoring requirements for using an enclosed combustor
40 CFR 60.756(b)(2)	monitor flow rate or secure the bypass line valve in the closed position
40 CFR 60.756(c)	monitoring requirements for using an open flare
40 CFR 60.756(f)	monitor surface concentrations of methane
40 CFR 60.758(b)	keep up-to-date, readily accessible records, for the life of the control equipment
40 CFR 60.758(c)	keep up-to-date, readily accessible records, of operating parameters
40 CFR 60.758(d)	up-to-date, readily accessible plot map showing each existing and planned collector in the system
40 CFR 60.758(e)	keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards

(9) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 63, Subpart AAAA, including the following sections

40 CFR 63.1980(a)	keep records and reports as specified in40 CFR Part 60, Subpart WWW
40 CFR 63.1980(b)	keep records and reports as specified in40 CFR Part 60, and Table of this subpart

(10) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 61, Subpart M, including the following sections

40 CFR 61.154(e)	maintain waste shipment records
40 CFR 61.154(f)	maintain records of location and quantity
40 CFR 61.154(i)	Make available during normal business hours all records required

e) Reporting Requirements

(1) The permittee shall submit a notification to CCHD, APCD within 30 days of any monthly record indicating total amount of landfill gas, in scf, combusted in all of the control devices exceeds the amount specified in b)(2)i.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(2) The permittee shall submit a report to Canton City Health Department, Air Pollution Control Division (CCHD, APCD) within 30 of obtaining the results of the sampling

conducted in accordance with d)(1) indicating the heat content exceeds the amount specified in b)(2)i.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(3) The permittee shall submit an annual report by April 15th of each year, covering the previous calendar year, of the amount in tons of waste material accepted for disposal for each month, and the total for that calendar year. These reporting requirements may be satisfied by including and identifying this information in the annual Fee Emissions Report.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(4) The permittee shall submit semiannual reports and such other notifications and reports to CCHD, APCD as are required pursuant to 40 CFR Part 60, Subpart WWW.

40 CFR 60.757(a)	submit an initial design capacity report
40 CFR 60.757(c)	submit the initial collection and control system design plan
40 CFR 60.757(d)	submit a closure report
40 CFR 60.757(e)	submit an equipment removal report
40 CFR 60.757(f)	submit semi-annual reports for an active collection system
40 CFR 60.757(g)	initial performance test report

(5) The permittee shall submit semiannual reports and such other notifications and reports to CCHD, APCD as are required pursuant to 40 CFR Part 63, Subpart AAAA.

40 CFR 63.1980(a)	Submit the annual report required in 40 CFR 60.757(f) every 6 months

(6) The permittee shall submit semiannual reports and such other notifications and reports to CCHD, APCD as are required pursuant to 40 CFR Part 61, Subpart M.

40 CFR 61.154(e)	within 30 days send waste shipment record to generator
40 CFR 61.154(h)	upon closure submit records of waste disposal locations and quantities
40 CFR 61.154(j)	submit notification within 45 days prior to excavating or disturbing asbestos containing waste

(7) By April 15th of each year, the permittee shall submit an annual report covering the previous calendar year detailing the amount of landfill gas, in scf, collected from landfill, the amount of landfill gas, in scf, input to each individual control device, and the number of hours that each individual control device operated. These reporting requirements may be satisfied by including and identifying this information in the annual Fee Emissions Report.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(8) By January 31 of each year, the permittee shall submit an annual report that identifies any of the following occurrences relating to inspections of landfill activities during the previous year:

a. each day during which an 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.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

f) Testing Requirements

(1) The permittee shall comply with the applicable testing requirements required under 40 CFR Part 60, Subpart WWW, including the following sections

40 CFR 60.755(a)	determine gas collection compliance
40 CFR 60.755(c)	compliance with the surface methane operational standard
40 CFR 60.752(b)(iii)	performance testing of control equipment

(2) Fugitive landfill emissions resulting from the biological breakdown of organic wastes shall not exceed the values shown in Section b)(1)b. which are based on calculations described below. These calculations represent the highest emission rates which could occur based on landfill gas emission rates predicted by a maximum annual rate of waste material accepted for disposal of 2,847,000 tons, the U.S. EPA's Landfill estimation program (LANDGEM), AP-42 and other emission factors, a capture efficiency of 85% (10% greater than AP-42 default value) for the gas collection and control system, an assumption that 28% of the wastes disposed are inert and are not broken down to create landfill gas, and other assumptions contained in the application.

The resulting emissions were predicted:

a. <u>Emission Limitation</u>:

Fugitive emissions of non-methane organic compounds (NMOC) shall not exceed 86.8 tons/year.

<u>Applicable Compliance Method</u>:

NMOC: Emissions were predicted by USEPA's LANDGEM model.

b. <u>Emission Limitation</u>:

Fugitive emissions of methane (CH_4) shall not exceed 8,295 tons/year.

Applicable Compliance Method:

CH_4: Emissions were predicted by USEPA's LANDGEM model and AP-42, Section 2.4.

c. Emission Limitation:

Fugitive emissions of volatile organic compounds (VOC) shall not exceed 33.9 tons/year.

Applicable Compliance Method:

VOC: Emissions were calculated based on predictions from USEPA's LANDGEM model and AP-42 equations.

d. Emission Limitation:

Fugitive emissions of hazardous air pollutants (HAP) shall not exceed 69.2 tons/year.

Applicable Compliance Method:

HAP: Emissions were calculated based on predictions from USEPA's LANDGEM model and AP-42 equations.

e. Emission Limitation:

Fugitive emissions of any individual HAP shall not exceed 11.4 tons/year.

Applicable Compliance Method:

HAP: Emissions were calculated based on predictions from USEPA's LANDGEM model and AP-42 equations.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(3) Emission Limitation:

Particulate emissions (PE) from the MSW landfill operations shall not exceed 1.63 tons per year.

Applicable Compliance Method:

Compliance shall be demonstrated by employing the emission factors derived from the equations in AP-42, Compilation of Air Pollution Emission Factors, Chapter 13.2.4 (November 2006), for all material handling and storage piles.

Maximum potential uncontrolled emission rates for material handling and storage piles were calculated by using worst case calculations contained in the application based

upon material handling being performed to support 7,800 tons per day (TPD) waste acceptance rate (Allowable Maximum Daily Waste Receipt).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(4) Emission Limitation:

Visible fugitive particulate emissions from operations shall not exceed 20 percent opacity as a three-minute average.

Applicable Compliance Method:
Compliance with the visible emission limitation identified 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)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

No visible emission observations are specifically required to demonstrate compliance with the visible emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(5) The following emission limitations are applicable to landfill gas control device(s):

a. Emission Limitation:

3.89 lbs of particulate matter less than 10 microns (PM_{10})/hour; 17.02 tons of PM_{10}/year.

Applicable Compliance Method:

Compliance with the above hourly emission limitation shall be determined using the following calculation:

$$\frac{8,466 \text{ dry ft}^3}{\text{Minute}} \times \frac{0.45 \text{ ft}^3 \text{ CH}_4}{\text{ft}^3 \text{ LFG}} \times \frac{17 \text{ lbs PM*}}{1,000,000 \text{ ft}^3 \text{ CH}_4} \times \frac{60 \text{ minutes}}{\text{hour}} = 3.89 \text{ lbs/hr}$$

*AP-42, Section 2.4, Municipal Solid Waste Landfills [11/98] (all PM is assumed to be PM_{10})

Flow rate and percent methane is based upon potential for landfill gas provided in the PTI application.

Compliance with the annual emission limitation is determined by using the records contained in section d) above and the constants used in the short term limit calculations. The annual emission limitation was established by multiplying the hourly emission limitation by 8760 hours/yr and dividing by 2000 lbs/ton. D

b. Emission Limitation:

91.9 lbs of CO/hour; 402.6 tons of CO/year

Applicable Compliance Method:

Compliance with the above hourly emission limitation shall be determined using the following calculation:

$$\frac{9{,}202\ ft^3}{Minute} \times \frac{450\ Btu}{ft^3\ LFG} \times \frac{0.37\ lbs\ CO^*}{1{,}000{,}000\ Btu} \times \frac{60\ minutes}{hour} = 91.9\ lbs/hr$$

*This value has been established based upon a manufacturer's performance guarantee.

Flow rate and heat content are based upon potential of landfill gas a provided in the PTI application.

Compliance with the annual emission limitation is determined by using the records contained in section d) above and the constants used in the short term limit calculations. The annual emission limitation was established by multiplying the hourly emission limitation by 8760 hours/yr and dividing by 2000 lbs/ton.

c. Emission Limitation:

16.89 lbs of NO_x/hour; 74.0 tons of NO_x/year

Applicable Compliance Method

Compliance with the above hourly emission limitation shall be determined using the following calculation:

$$\frac{9{,}202\ ft^3}{Minute} \times \frac{450\ Btu}{ft^3\ LFG} \times \frac{0.068\ lbs\ NOx\ *}{1{,}000{,}000\ Btu} \times \frac{60\ minutes}{hour} = 16.89\ lbs/hr$$

*This value has been established based upon a manufacturer's performance guarantee.

Flow rate and heat content are based upon potential of landfill gas provided in the PTI application.

Compliance with the annual emission limitation is determined by using the records contained in section d) above and the constants used in the short term limit calculations. The annual emission limitation was established by multiplying the hourly emission limitation by 8760 hours/yr and dividing by 2000 lbs/ton.

d. Emission Limitation:

4.45 lbs of SO_2/hour; 19.49 tons of SO_2/year

Applicable Compliance Method:

Compliance with the above hourly emission limitation shall be determined using the following calculation:

$$\frac{9{,}202\ ft^3}{Minute} \times \frac{49.6\ ppmv^*}{{,}000{,}000\ MMscf/scf} \times \frac{64.066_1}{(0.7302_2 x\ 520_3)} \times \frac{60\ minutes}{hour} = 4.45\ lbs/hr$$

*Sulfur concentration in the exhaust gas from AP-42 = 49.6 ppmv based upon 99.7% landfill gas control efficiency (represents worst-case emissions for SO_2)

1 molecular wt of SO_2
2 universal gas constant
3 temperature

Flow rate and SO_2 concentration are based upon potential of landfill gas provided in the PTI application.

Compliance with the annual emission limitation is determined by using the records contained in section d) above and the constants used in the short term limit calculations. The annual emission limitation was established by multiplying the hourly emission limitation by 8760 hours/yr and dividing by 2000 lbs/ton.

e. Emission Limitation:

2.25 lbs of NMOC)/hour; 9.85 tons of NMOC/year

Applicable Compliance Method:

Compliance with the above hourly emission limitation shall be determined using the following calculation:

$$\frac{5{,}500\ ft^3}{Minute} \times \frac{1{,}500\ ppmv^*}{{,}000{,}000\ MMscf/scf} \times \frac{86.18_1}{(0.7302_2\ x\ 520_3)} \times \frac{60\ minutes}{hour} \times (1-0.98)_2 = 2.25\ lbs/hr$$

* NMOC concentration in inlet gas based on historic site data = 1,500 ppmv.
1 molecular wt of NMOC as hexane
2 control efficiency of the control device(s)
3 universal gas constant
4 temperature

Flow rate and NMOC concentration are based upon potential of landfill gas provided in the PTI application. A value of 5,500 scfm and 1,500 ppmv was

selected based upon current conditions and landfill gas NMOC concentrations which are assumed to be worst case.

Compliance with the annual emission limitation is determined by using the records contained in section d) above and the constants used in the short term limit calculations. The annual emission limitation was established by multiplying the hourly emission limitation by 8760 hours/yr and dividing by 2000 lbs/ton.

f. Emission Limitation:

1.88 lbs of VOC/hour; 8.25 tons of VOC/year

Applicable Compliance Method:

Compliance with the above hourly emission limitation shall be determined using the following calculation:

5,500 ft^3	1,500 ppmv*	86.18$_1$	60 minutes	1-0.98)$_2$	0.39$_5$	1.88 lbs/hr
Minute	,000,000 MMscf/scf	0.7302$_3$ x 520$_4$)	hour			

* NMOC concentration in inlet gas from historic site data = 1,500 ppmv.
1 molecular wt of NMOC as hexane
2 control efficiency of the control device(s)
3 universal gas constant
4 temperature
5 percentage of VOC in landfill gas (AP-42)

Flow rate and NMOC concentration are based upon potential of landfill gas provided in the PTI application. Values of 5,500 scfm and 1,500 ppmv were selected based upon current conditions and landfill gas NMOC concentrations which are assumed to be worst case.

Compliance with the annual emission limitation is determined by using the records contained in section d) above and the constants used in the short term limit calculations. The annual emission limitation was established by multiplying the hourly emission limitation by 8760 hours/yr and dividing by 2000 lbs/ton.

g. Emission Limitation:

2.23 lbs of HCl/hour; 9.77 tons of HCl/year

Applicable Compliance Method:

Compliance with the above hourly emission limitation shall be determined using the following calculation:

9,202 ft^3	42 ppmv*	36.5$_1$	60 minutes	2.23 lbs/hr
Minute	,000,000 MMscf/scf	0.7302$_2$x 520$_3$)	hour	

*HCl concentration in the exhaust gas from AP-42 = 42.0 ppmv (represents the worst-case emissions for HCl)
[1] molecular wt of HCl
[2] universal gas constant
[3] temperature

Flow rate is based upon potential of landfill gas provided in the PTI application.

Compliance with the annual emission limitation is determined by using the records contained in section d) above and the constants used in the short term limit calculations. The annual emission limitation was established by multiplying the hourly emission limitation by 8760 hours/yr and dividing by 2000 lbs/ton.

h. Emission Limitation:

2.61 lbs of Total HAPs/hour; 11.43 tons of HAP/year

Applicable Compliance Method:

Compliance with the above hourly emission limitation shall be determined using the following calculation:

9,202 ft^3	AP-42 ppmv*	MW of compound[1]	60 minutes	2.61 lbs/hr
Minute	,000,000 MMscf/scf	(0.7302[2]x 520[3])	hour	

*concentration in the exhaust gas from AP-42
[1] individual molecular weight of each compound in the AP-42 inventory listing
[2] universal gas constant
[3] temperature

Flow rate is based upon potential of landfill gas provided in the PTI application.

Compliance with the annual emission limitation is determined by using the records contained in section d) above and the constants used in the short term limit calculations. The annual emission limitation was established by multiplying the hourly emission limitation by 8760 hours/yr and dividing by 2000 lbs/ton.

i. Emission Limitation:

No visible emissions from the open flare, except for periods not to exceed a total of 5 minutes, during any 2 consecutive hours.

Applicable Compliance Method:

Compliance shall be demonstrated through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 22, and procedures specified in 40 CFR Part 60.18. Alternative test procedure for LFG open flare VEs may follow the USEPA letter ALT042 to shorten the RM22 to 30 minutes per flare.

No Method 22 tests are specifically required to demonstrate compliance with the visible emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(6) The initial performance testing has been conducted to demonstrate that the current control device can operate in conformance with the requirements specified in 40 CFR Part 60.18.

However, if subsequently required, the permittee shall conduct or have conducted additional performance test(s) to demonstrate that the flare(s) can operate in conformance with the requirements specified below:

a. For an open flare, a performance test shall be conducted to demonstrate compliance with the requirements specified in 40 CFR 60.18. The net heating value of the gas being combusted in the flare and the actual exit velocity of the flare shall be determined in accordance with the procedures and methods specified in 40 CFR Part 60.18 and 40 CFR Part 60.754(e). The visible emission evaluations shall be conducted in accordance with the procedures specified in section f)(5)i.

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

(7) After the installation of a collection and control system in compliance with 40 CFR Part 60.755, the permittee shall calculate the NMOC emission rate for the purposes of determining when the system can be removed as provided in 40 CFR Part 60.752(b)(2)(v) in accordance with the equation and procedures specified in 40 CFR Part 60.754(b), (b)(1), and (b)(2). The permittee may use another method to determine landfill gas flow rate and NMOC concentration if the method has been approved by the Ohio EPA as provided in 40 CFR Part 60.752(b)(2)(i)(B).

[Authority for Term: OAC rule 3745-77-07(C)(1) and PTI P0104574]

g) Miscellaneous Requirements

(1) Additional Terms and Conditions for P901 Remediation Unit (Cells 1 – 6)

a. If monitoring demonstrates that the operational requirements in paragraphs (b), (c), or (d) of 60.753 are not met, corrective action shall be taken as specified in §60.755(a)(3) through (5) or § 60.755(c) of this subpart. If corrective actions are taken as specified in § 60.755, the monitored exceedance is not a violation of the operational requirements in this section.

Between 1993 and 2006, Countywide received 17,000,000 cubic yards of waste; approximately 600,000 tons of which consisted of non-hazardous industrial aluminum process waste. The majority of the aluminum waste material was described as “dross” and “salt cake” which are by-products from melting recycled aluminum with a salt flux. Smaller quantities of aluminum-containing baghouse

dust materials were also disposed. All of the dross and salt cake was disposed in the original 88-acre portion of the facility. Some baghouse dust is present in Cell 7 which is now part of the 170 acre operational unit.

Beginning in 2001, Countywide noted elevated temperatures in some gas wells and submitted higher operating value (HOV) requests to the CCHD, APCD. In 2004, Countywide expanded the gas collection and control system (GCCS) in response to citizen odor complaints.

Then, in 2006, Countywide observed a rather sudden and unusual temperature increase in many gas extraction wells, forceful leachate outbreaks, accelerated settlement, and odors. Countywide also discovered changes in landfill gas composition, including a decrease in methane, and an increase in hydrogen concentrations and carbon monoxide. These were ultimately attributed to a reaction between the aluminum wastes and liquid and to the effects of the aluminum waste reaction interacting with the solid wastes which were also disposed in the landfill.

Throughout 2006, Countywide initiated numerous activities to reduce odor generation from the landfill including placement of 30 acres of temporary exposed geomembrane cap. However, odor generation was not completely abated. Subsequent agency orders, work plans, studies, etc. ensued—all aimed at eliminating the odor and, if possible, remediating the causes of the odor. A compiled list and chronology of major orders and actions is provided below:

September 6, 2006 Ohio EPA DFFOs –The Director determined the site was an air pollution nuisance, and required certain actions to control, monitor and characterize odors.

March 28, 2007 Ohio EPA DFFOs – The Director defined a “fire” as “rapid thermal decomposition of solid waste producing carbon monoxide in excess of 1,000 ppmv” and thus declared that the facility violates OAC Rule 3745-27-19(E)(3)(a), and also concluded that the facility continued to be an air pollution nuisance. The Orders required significant sampling and analyses to characterize the reaction and its byproducts and side-effects, ordered implementation of a community ambient air monitoring system, and requested a number of study reports including a Fire Suppression Plan. It also established penalties and control mechanisms for future enforcement. These DFFOs superseded the September 6, 2006 DFFOs.

October 1, 2007 Ohio EPA– Required creating a “firebreak” between Cell 8A and 8B, and ceasing filling in Cell 7 and 8A.

November 7, 2007 Ohio EPA DFFOs – Required dewatering by adding pumps to gas extraction wells to improve gas collection efficiency. Also required additional scientific studies.

December 6, 2007 Modification to November 07, 2007 DFFOs – Suspended some of the time frames and requirements in the November 7, 2007 DFFOs.

December 31, 2007 Ohio EPA DFFOs – Superseded portions of the November 07, 2007 DFFOs, and requested revised, increased dewatering including installing deeper remediation wells (RWs).

February 7, 2008 Ohio EPA DFFOs – Required changes to the community ambient air monitoring program including sampling for dioxins and furans.

April 11, 2008 U.S. EPA Administrative Settlement Agreement and Order on Consent for Removal Action (AOC) – Required isolating and containing the reaction through capping and redirection of reaction gases away from Cell 7. The AOC also required on-site, real-time continuous ambient air monitoring and sampling.

June 5, 2008 Countywide Report – At the request of the Ohio EPA, Countywide performed an investigation and then submitted a report regarding the 2006 waste slope movement. The report concluded that a limited portion of the south slope had moved up to 20' outside the permitted waste disposal limits.

October 24, 2008 U.S. EPA Letter – Requested Countywide to submit a Work Plan for the construction of a physical separation (Isolation Break) to "achieve complete separation, full containment and isolation of the ongoing reaction affecting Cells 1-6."

November 19, 2008 U.S. EPA Letter – Approved the Work Plan for construction of an Isolation Break.

December 30, 2008 Letter – A letter from the Ohio EPA Enforcement Coordinator approved a requested reduction in certain sampling and analytical requirements per the March 28, 2007 DFFOs.

January 13, 2009 U.S. EPA Letter – Requested Countywide submit a Work Plan for placement of composite cap over Cells 1-3.

May 29, 2009 Ohio EPA DFFOs – Requires submitting a PTI modification application by June 01, 2010.

By July 2009, the temporary capping had been accomplished and the Isolation Break had been completed. The U.S. EPA concluded the Isolation Break had achieved a full and complete separation of waste, leachate, and gas between the 88-acre unit and the 170-acre unit. This "bifurcation" resulted in the creation of the two non-contiguous units.

b. Numerous corrective actions were continuously employed to manage and contain the reaction during the period beginning in February 2006 through the issuance of this permit. The corrective actions include but are not limited to the following:

i. Installation of abundant new vertical wells, replacement vertical wells, and new "other" collectors.

ii. Continual routine maintenance, installation of new sections of header piping, and repair of sagged lateral piping to maintain and/or improve the LFG flow to the flares;

iii. Flares were routinely evaluated, maintained and cleaned to assure continued efficient operation;

iv. Continuous monitoring, tuning, and evaluation of the well field to maintain operational parameters within acceptable ranges;

v. Installation of oversized and enhanced condensate and leachate removal systems.

vi. Bifurcation of the remediation and the operational units of the landfill to isolate the reaction area.

vii. Installation of a composite liner system over affected portions of the remediation unit.

viii. Establishment of an OM&M plan to which the facility is required to comply until such time that the OM&M plan is determined to no longer be necessary.

The above corrective measures continue to be employed and sustained to maintain ongoing compliance. These corrective measures constitute an appropriate higher operating value (HOV) demonstration which complies with the requirements of 40 CFR Part 60.753(c). By adhering to the requirements of the OM&M plan, the permittee is exempted from the requirement to demonstrate that anaerobic decomposition is not inhibited.

c. The monitoring points that are reaction affected are not required to comply with the standard requirements of 40 CFR Part 60.753(c). The applicable requirements associated with the reaction affected monitoring points are contained in g)(1)c.

i. All monitoring points located in the capped portion of the Remediation Unit are considered to be reaction affected.

Note: The primary byproduct of the reaction occurring within the Remediation Unit is the production of heat well above that produced by normal methanogenesis. Therefore, the regulatory threshold of 131°F is not currently achievable for many monitoring points located within the Remediation Unit. The monitoring points determined to be affected by the reaction are not considered violations of the regulatory threshold for temperature.

d. Any monitoring point installed as a new or replacement monitoring point within the limit of reaction will be considered a reaction affected monitoring point; therefore, not part of g)(2) through (6).

e. The Standard Operating Procedure (SOP) outlined in g)(2) through (6) applies ONLY to monitoring points that are located within the Remediation Unit and are NOT currently affected by the reaction occurring in the Remediation Unit. For purposes of this SOP, monitoring points include vertical extraction wells, horizontal collectors, leachate risers, etc. that are connected to the GCCS. This SOP incorporates aspects of the Operation, Maintenance, and Monitoring (OM&M) Plan, Title V permit conditions, and New Source Performance Standards (NSPS). Pursuant to 40 CFR 60.753(c) and Countywide's Title V permit, Countywide shall operate each monitoring point within the GCCS with a landfill gas (LFG) temperature less than 131 degrees Fahrenheit (°F).

f. Reaction Affected Monitoring Points - Monitoring points affected by the reaction may exhibit the following characteristics.

i. Significant increase in LFG temperature - The primary byproduct of the reaction is the production of heat.

ii. Presence of hydrogen - Hydrogen is a major factor in determining whether or not the monitoring point is being affected by the reaction since the reaction produces hydrogen.

iii. Elevated pressure - The reaction causes higher-than-normal pressure adjacent to the reacting waste mass.

iv. Elevated liquid levels - The reaction causes a drying of waste which results in a steam/water vapor front moving out, up, and away from the reaction which then condenses in the leachate collection system, cooler surrounding waste mass, and gas extraction wells, resulting in extremely high leachate generation.

v. Decreased methane concentration and increase in carbon dioxide concentration - The reaction causes a reduction in methane that is due to the elevated temperatures.

(2) Operational Restrictions

a. OM&M Plan.

(3) Monitoring and/or Recordkeeping Requirements.

a. On a weekly basis, Countywide technicians shall monitor each monitoring point in the Remediation Unit for methane, carbon dioxide, oxygen, balance gas, pressure, temperature, and flow using a Landtec GEM 2000. If an exceedance of NSPS § 60.753(c) (temperature ≥131°F) is noted at a monitoring point that is not affected by the reaction (refer to g)(2)c. through e.), Countywide will follow the re-monitoring requirements per NSPS § 60.755(a)(5). Countywide will initiate corrective actions to the monitoring point within 5-days from the initial exceedance date. If a temperature exceedance is still noted, Countywide will make additional adjustments and re-monitor the well within 15-days from the initial exceedance date.

b. If the temperature is less than 131°F within 15 days from the initial exceedance date, no additional monitoring is required until the next routine monitoring event.

c. If the temperature is greater than 131°F for more than 15 days from the initial exceedance date, Countywide shall complete the following within 30 days from the date of the initial exceedance.

i. Visually inspect area for settlement, charred or cracked surface cover, stressed or dead vegetation, and for smoke or smoky odor emanating from the landfill surface or monitoring point.

ii. Compare LFG concentrations with the previous 6 months of readings for the monitoring point.

iii. Perform the analysis as required in g)(5)b. through c.

The above data shall be collected to determine if the monitoring point is either a g)(1)f. monitoring point or whether it is a standard NSPS exceedance. Based on the results, continue monitoring the monitoring point in accordance with g)(3)d. or e.

d. If the monitoring point is determined to meet the description in g)(1)f., Countywide shall begin implementing the monitoring requirements in the OM&M Plan.

e. If the monitoring point is determined to a standard NSPS exceedance, Countywide shall follow § 60.753(c) for establishing a higher operating value for the monitoring point.

f. If the temperature is greater than the 210°F, implement the "Gas Well Assessment Protocol - Non Typical Temperature" procedures located in the OM&M Plan Volume 2, Appendix E.

g. Refer to the OM&M Plan Volume 1, Section 6.6 and Volume 2, Appendix J for recordkeeping procedures concerning items g)(3)a. through f. above.

[Authority for Term: OM&M Plan and OAC rule 3745-77-07(C)(1)]

(4) Reporting Requirements

a. Countywide shall submit an e-mail notification to CCHD, APCD within 2 days after the 15th day from the date of the initial exceedance, with the exception of g)(1)c. The following information shall be included in the e-mail notification.

i. Monitoring point identification

ii. Date of initial temperature exceedance

iii. Temperature reading

b. Countywide shall submit a report of the findings based upon the analysis required per g)(3)c to the CCHD, APCD within 60 days from the initial exceedance date. The report shall contain the following information:

i. Summary of results

ii. Determination of well status using the description in g)(1)f as guidelines

c. The permittee shall submit deviation reports that identify any monitoring point that exceeds 131°F. The deviation report must contain a list identifying which monitoring points are affected by the reaction and which monitoring points are not reaction affected.

d. The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for Term: OM&M Plan and OAC rule 3745-77-07(C)(1)]

(5) Testing Requirements

a. Compliance Method for Monitoring Landfill Gas in Monitoring Points

i. Refer to Volume 2, Section 2.2 of the OM&M Plan and follow the "Wellhead Measurement and Adjustment Procedure" included in Appendix I of Volume 2 of the OM&M Plan

b. Compliance Method for Determining Hydrogen Content of Landfill Gas

i. Use method ASTM D-1946. Countywide will follow the sampling procedures included in OM&M Plan Volume 1, Appendix F.

c. Compliance Method for Determining Liquid Levels

i. Use the procedures from the OM&M Plan Volume 2, Appendix K.

[Authority for Term: OM&M Plan and OAC rule 3745-77-07(C)(1)]

(6) Modeling to demonstrate compliance with, the Toxic Air Contaminant Statute, ORC 3704.03(F)(4)(b), is not required. In accordance with ORC 3704.03(F)(4)(e) (in part), …"Review of New Sources of Air Toxics Emissions, Option A" …**do not apply to an air contaminant source that is subject to a maximum achievable control technology standard.** The emissions unit is subject to 40 CFR Part 60 Subpart WWW and 40 CFR Part 63 Subpart AAAA.