

1

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as

2

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

PUBLIC DISCLOSURE

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

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

BEST AVAILABLE TECHNOLOGY

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

PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

4

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

5

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
---	---	------------------------------	---	--

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Beech Hollow Sanitary Landfill** located in **Jackson** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>
P001	440 HP No. 2 Diesel engine for 150 TPH mobile soil crusher
P001 Cont'd	

F005

F003

F004

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
	minimize drop heights,...)			3745-17-07 3745-17-11
			Applicable Federal & <u>OAC Rules</u>	3745-31-05
Best available control measures that are sufficient to minimize or eliminate visible emission of fugitive dust (e.g. Use of water sprays and/or sufficient moisture content of material,	Best available control measures that are sufficient to minimize or eliminate visible emission of fugitive dust (e.g. Use of water sprays and/or sufficient moisture content of material,	3745-17-11 (B) (5) (a)		
			3745-18-06	
		3745-31-05		
			3745-31-05 40 CFR 60.672 (NSPS-000)	3745-17-07 3745-17-11
			Transfer points in the crushing process	3745-31-05
			Crushing compartment	
Use of water sprays and/or sufficient moisture content of material,		3745-17-07 (A)		

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
3745-17-07	Permit Allowable	(2.95 pound/hour CO) (4.43 TPY CO)	Particulate emissions shall not exceed 4.07 tons per year.	heights,...) (See Additional Special Terms and Conditions)
3745-17-11	Mass Emissions and/or Control/Usage Requirements	0.36 pound/MMBTU OC's (1.12 pound/hour OC's) (1.68 TPY OC's)	These rules are less stringent than OAC rule 3745-31-05	Particulate emissions shall not exceed 1.77 tons per year. These rules are less stringent than OAC rule 3745-31-05
	0.31 pound/MMBTU PM ₁₀ (0.96 pound/hour PM ₁₀ (1.44 TPY PM ₁₀))	Visible particulate emissions shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule	No visible emissions except for one minute in any hour (See Additional Special Terms and Conditions)	
	4.41 pounds/MMBTU NO _x (13.67 pound/hour NO _x) (20.54 TPY NO _x)	Less stringent than 3745-31-05 (See Additional Special Terms and Conditions)	Particulate emissions shall not exceed 27.41 tons per year.	
	0.29 pound/MMBTU SO ₂ (0.90 pound/hour SO ₂) (1.35 TPY SO ₂)	Fugitive emissions shall not exceed 10 percent opacity Fugitive emissions shall not exceed 15 percent opacity	These rules are less stringent than OAC rule 3745-31-05.	
	0.95 pound/MMBTU CO	(See Additional Special Terms and Conditions)	Minimize or eliminate visible emission of fugitive dust (e.g. Use of water sprays and/or sufficient moisture content of material, minimize drop	

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
---	---	------------------------------	---	--

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Particulate	34.70
PM10	1.44
N0x	20.54
S02	1.35
Organic Compounds	1.68
CO	4.43

CONSTRUCTION STATUS

The **Ohio EPA, Southeast District Office** shall be notified in writing as to (a) the construction starting date, (b) the construction completion date, and (c) the date the facilities were placed into operation for the following sources: **P001 - 440 HP diesel engine for 150 TPH mobile soil crusher; F004 - crushed soil storage piles; and, F005 - crushed soil - miscellaneous material handling operations.**

NSPS REQUIREMENTS

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source Number</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
F003	150 TPH mobile soil crusher	000

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate

11

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

times:

- a. construction date (no later than 30 days after such date);
- b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- c. actual start-up date (within 15 days after such date); and
- d. date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P.O. Box 163669
Columbus, OH 43216-3669

and **Ohio EPA, Southeast District Office**
2195 Front Street
Logan, OH 43138

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Ohio EPA, Southeast District Office, 2195 Front Street, Logan, OH 43138.**

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

12

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Ohio EPA, Southeast District Office, 2195 Front Street, Logan, OH 43138.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

NOTICE OF INTENT TO RELOCATE

Pursuant to OAC Rule 3745-31-03(A)(1)(n), the owner or operator of the portable or mobile source identified within this Permit to Install may relocate within the state of Ohio without first obtaining a Permit to Install providing the following criteria are met:

- a. the source is equipped with the Best Available Control Technology for such source;
- b. the source is operating pursuant to a currently effective Permit to Operate;
- c. the applicant has provided proper notice of intent to relocate the source to the Director within a minimum of 30 days prior to the scheduled relocation; and
- d. in the Director's judgement, the proposed site is acceptable under Rule 3745-15-07 of the Administrative Code.

In order for the Director to determine compliance with all of the above criteria, the owner or operator of the portable or mobile source must file a "Notice of Intent to Relocate" at least 30 days prior to relocation of the source with the **Ohio EPA,**

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

Southeast District Office, 2195 Front Street, Logan, OH 43138.

Upon receipt of the notice, the Director, or the Director's authorized representative, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio Environmental Protection Agency approval prior to relocation of the source may result in fines and civil penalties.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

Additional Special Terms and Conditions for 440 HP no. 2 Diesel Engine, P001

A. Applicable Emission Limitations and/or Control Requirements

See Air Emissions Summary.

B. Operational Restrictions

1. This emission unit shall burn only No.2 diesel fuel.
2. The maximum 12-month period fuel usage for this emission unit shall not exceed 68,000 gallons for any 12-month rolling period.

To ensure federal enforceability during the first 12 months of operation following the issuance of this permit, the permittee shall not exceed the fuel usage levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Gallons Fuel Usage</u>
1	10000
1-2	20000
1-3	30000
1-4	35000
1-5	40000
1-6	45000
1-7	50000
1-8	55000
1-9	60000
1-10	64000
1-11	66000
1-12	68000

After the first 12 calendar months of operation, compliance with the annual gallons fuel usage shall be based upon a rolling 12-month summation of the gallons of fuel used figures.

15

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

3. The permittee shall be required to burn only No. 2 diesel fuel containing less than 0.5 percent sulfur by weight.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of each fuel shipment that indicate:

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

- a. the oil supplier's analysis of percent sulfur content and heat content (BTU/gallon); and,
 - b. the quantity (gallons) of each shipment.
2. The permittee shall maintain monthly records of the total monthly gallons and the rolling 12-month period of total gallons of fuel used in this emission unit.
 3. The permittee shall maintain daily records of the total daily and annual hours of operation for the emission unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling 12-month limitation and , for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative fuel usage levels.
2. The Permittee shall report the use of any diesel fuel containing more than 0.05 percent sulfur by weight. This report shall indicate the cause of the excursion and the corrective action taken to prevent further exceedances. If no deviations (excursions) occurred during the reporting period, then a report stating so shall be submitted.

These reports are due within 45 days from the end of the month in which the exceedance occurred.

E. Compliance Determination/Testing Requirements

1. Compliance with the emission limitations in this permit shall be determined in accordance with the following methods :

Emission Limitation:

68,000 gallons fuel consumption per rolling 12-month period

Applicable Compliance Method:

Compliance shall be determined by the records kept in accordance with the Monitoring and Recordkeeping Requirements contained in this permit.

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

Emission Limitation:

0.31 lb/MMBTU (0.96 lb/hr) (1.44 TPY) PM₋₁₀

Applicable Compliance Method:

Compliance shall be determined by multiplying the emission factor(s) contained in AP-42 Table 3.3-1 (10/96) by the average BTU/gallon fuel value for the reporting period, in turn multiplied by the amount of fuel (gallons) used during the period. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10). No emission(s) testing is specifically required to demonstrate compliance with this emission limit but, may be requested pursuant to OAC 3745-15-04(A).

Emission Limitation:

4.41 lbs/MMBTU NO_x , 0.29 lb/MMBTU SO₂ , 0.95 lb/MMBTU CO, 0.36 lb/MMBTU OC's.

Applicable Compliance Method:

Compliance shall be determined by multiplying the emission factor(s) contained in AP-42 Table 3.3-1 (10/96) by the average BTU/gallon fuel value for the reporting period, in turn multiplied by the amount of fuel (gallons) used during the period. No emission(s) testing is specifically required to demonstrate compliance with this emission limit but, may be requested pursuant to OAC 3745-15-04(A).

Emission Limitation:

Visible Particulate emissions shall not exceed 20 percent opacity, as a 6-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). No emission(s) testing is specifically required to demonstrate compliance with this emission limit but, may be requested pursuant to OAC

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

3745-15-04(A).

F. Miscellaneous Requirements

1. Pursuant to OAC rule 3745-35-07(B)(2), Additional Special Terms and Conditions A-F of this permit to operate shall be federally enforceable. The applicant has requested that such restrictions, as specified in OAC rule 3745-35-07(C), be imposed in order to limit the potential to emit.

Additional Special Terms and Conditions for 150 TPH Mobile Soil Crusher (F003)

A. Applicable Emission Limitations and/or Control Requirements (also see Air Emissions Summary)

None.

B. Operational Restrictions

1. This emission unit shall not exceed an operating rate of 150 tons per hour of material throughput.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, for crushing operations , the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

<u>Crushing operation(s)</u>	<u>minimum inspection frequency</u>
Crusher (F003)- crushing points	daily
Crusher (F003)- transfer points	daily

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and,

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

- d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 3.d. shall be kept separately for each operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

4. The permittee shall perform daily observations for any visible particulate emissions from the emission unit, other than water vapor. The presence or absence of any visible emissions shall be recorded in an operations log. When visible emissions are observed in excess of the allowable opacity rate(s), corrective actions shall be taken to correct the problem and these action(s) shall be recorded in the operations log.
5. The permittee shall record the total daily tons of material throughput.

D. Reporting Requirements

1. The permittee shall comply with the Reporting and Recordkeeping requirements contained in 40 CFR 60.676.
2. 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 to be implemented as a result of an inspection, was not implemented.

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

3. The permittee shall submit an annual exceedance report which identifies any exceedances of the above conditions, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year. If an exceedance did not occur during the reporting period, then a report stating that fact is required.

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

For each excursion event, the following information shall be provided:

- a. the date of the excursion;
- b. the duration of the excursion event;
- c. the operating rates during the excursion;
- d. the cause(s) of the excursion; and,
- e. the corrective action(s) which have or will be taken to prevent similar excursions in the future.

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

E. Compliance Determination/Testing Requirements

1. Compliance with the emission limitations in this permit shall be determined in accordance with the following methods:

Emission Limitation:

Fugitive Emission(s) (10 percent opacity and 15 percent opacity)

Applicable Compliance Method:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the emission unit, the permittee shall demonstrate compliance by testing in accordance with 40 CFR 60.8 and 40 CFR 60.675.

The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672, including reports of opacity observations made using Method 9.

Emission Limitation:

1.77 tons per year of Particulate emissions

Applicable Compliance Method:

The ton per year limit was established based upon emission calculations using AP-42 (10/96) emission factors and shall be calculated using AP-42 emission factors and the appropriate operating information from the Monitoring and Recordkeeping Requirements contained in this permit.

F. Miscellaneous Requirements

None.

Additional Special Terms and Conditions for Crushed Soil (Clay) Storage Piles - F004

- A. Applicable Emission Limitations and/or Control Requirements (also see Air Emissions Summary)

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

1. The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:

CRUSHED SOIL (clay) STORAGE PILES

2. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to controlled moisture content, minimizing drop heights and avoiding operations during windy conditions to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
3. The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
4. The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat each storage pile with water and/or other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
5. The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that

23

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

day to ensure compliance with the above-mentioned applicable requirements.

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

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

B. Operational Restrictions

None.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

storage pile identification minimum load-in inspection frequency

All Crushed Soil Storage Piles (F004) daily

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

storage pile identification minimum load-out inspection frequency

All Crushed Soil Storage Piles (F004) daily

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

storage pile identification minimum wind erosion inspection frequency

All Crushed Soil Storage Piles (F004) daily

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity 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.

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

6. The permittee may, upon receipt of written approval from the Ohio EPA, Southeast District Office, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and,
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. 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,

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

- b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
- 2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

- 1. Compliance with the emission limitations in this permit shall be determined in accordance with the following methods:

Emission Limitation:

No visible emissions except for one minute in any hour

Applicable Compliance Method:

Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672, including reports of opacity observations made using Method 9.

Emission Limitation :

27.41 tons per year of Particulate emissions

Applicable Compliance Method:

The ton per year limit was established based upon emission calculations using AP-42 (10/96) emission factors and shall be calculated using AP-42 emission factors and the appropriate operating information from the Monitoring and Recordkeeping Requirements contained in this permit.

F. Miscellaneous Requirements

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

None.

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

Additional Special Terms and Conditions for Crushed Soil Misc. Material Handling - F005

A. Applicable Emission Limitations and/or Control Requirements (also see Air Emissions Summary)

- 1. The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

Load-in and load-out of the crusher, vehicles, and other miscellaneous material handling functions not permitted by F003 and F004.

- 2. The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee’s permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s)

Load-in and load-out of the crusher, vehicles, and other miscellaneous material handling functions not permitted by F003 and F004.

control measure(s)

Controlled moisture content, minimizing drop heights and avoiding operations during windy conditions

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 3. For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

unnecessary.

- 4. Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

B. Operational Restrictions

None.

C. Monitoring and/or Recordkeeping Requirements

- 1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

<u>material handling operation(s)</u>	<u>minimum inspection frequency</u>
Crushed Soil- Misc. Material Handling (F005)	daily

- 2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
- 3. The permittee may, upon receipt of written approval from the Ohio EPA, Southeast District Office, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- 4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s):
 - c. the dates the control measure(s) was (were) implemented; and,
 - d. on a calendar quarter basis, the total number of days the control

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

measure(s) was (were) implemented.

The information in 4.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. 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; and,
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in this permit shall be determined in accordance with the following methods:

Emission Limitation:

Minimize or eliminate visible emissions of fugitive dust

Applicable Compliance Method:

Compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672, including reports of opacity observations made using Method 9.

Emission Limitation:

1.77 ton per year of Particulate emissions

Facility Name: **Beech Hollow Sanitary Landfill**

Application Number: **06-5712**

Date: **Draft PTI (Date will be entered upon final issuance)**

Applicable Compliance Method:

The ton per year limit was established based upon emission calculations using AP-42 (10/96) emission factors and shall be calculated using AP-42 emission factors and the appropriate operating information from the Monitoring and Recordkeeping Requirements contained in this permit.

F. Miscellaneous Requirements

None.