



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

August 24, 2018

Kurtz Brothers, Inc.
6415 Granger Rd.
Independence, OH 44131

Hope Realty, LTD
6900 Granger Rd. #200
Independence, OH 43131

CDF, Inc.
6900 Granger Rd. #200
Independence, OH 44131

**Re: Kurtz Bros, Inc., Avon Production Facility
Director's Final Findings and Orders (DFFO)
DFFO
Composting
Lorain County
CM010788**

Subject: Final Findings and Orders of the Director

Dear Sir or Madam:

Transmitted herewith are the Final Findings and Orders of the Director concerning the matter indicated for Kurtz Bros, Inc., Avon Production Facility

If you have any questions, please contact Troy Harter at (614) 644-3037.

Sincerely,

Greg Nichols, Administrative Processing Unit
Division of Materials & Waste Management

Enclosure

ec: Carl Mussenden, DMWM, CO
Bruce McCoy, DMWM, CO
Angel Arroyo-Rodriguez, DMWM, CO
Katerina Snyder, DMWM, NEDO
Teri Finfrock, Legal
Troy Harter, Legal

**BEFORE THE
OHIO ENVIRONMENTAL PROTECTION AGENCY**

In the Matter Of:

Kurtz Brothers, Inc.	:	<u>Director's</u>
6415 Granger Rd.	:	<u>Final Findings and Orders</u>
Independence, OH	:	
Hope Realty, LTD	:	
6900 Granger Rd. #200	:	
Independence, OH	:	
CDF, Inc.	:	
6900 Granger Rd. #200	:	
Independence, OH	:	

Respondents

PREAMBLE

It is agreed by the parties hereto as follows:

I. JURISDICTION

These Orders are issued to Kurtz Brothers, Inc, Hope Realty, LTD and CDF, Inc. ("Respondents") pursuant to the authority vested in the Director of the Ohio Environmental Protection Agency ("Ohio EPA") under ORC Sections 3734.13, 6111.03 and 3745.01.

II. PARTIES BOUND

These Orders shall apply to and be binding upon the Respondents and successors in interest liable under Ohio law. No change in ownership of the Facility as hereinafter defined shall in any way alter Respondents' obligations under these Orders.

III. DEFINITIONS

Unless otherwise stated, all terms used in these Orders shall have the same meaning as defined in ORC Chapters 3734, 6111 and the rules promulgated thereunder.

IV. FINDINGS

The Director of Ohio EPA has determined the following findings:

Solid Waste

1. The Miller Road Compost Facility ("Facility") is located at 1180 Miller Road, Avon, Ohio, on Lorain County parcel numbers 0400004101068, 0400004101069 and 0400004101072 (the "Properties"). A plan view of the Facility is presented in Attachment A.
2. Respondent Hope Realty, LTD is an "owner," as that term is defined in Ohio Administrative Code ("OAC") Rule 3745-500-02(O)(7), of the property located on parcel number 0400004101072.
3. Respondent CDF, Inc. is an "owner" of the properties located on parcel numbers 0400004101068 and 0400004101069.
4. Respondent Kurtz Brothers, Inc. ("Respondent Kurtz") is the "operator" and "registrant" of the Facility as those terms are defined respectively in OAC Rules 3745-500-02(O)(6) and (R)(2).
5. The Facility is a "compost facility" as that term is defined under OAC Rule 3745-500-02(C)(1).
6. The Facility operates as a "Class IV solid waste composting facility" as that term is defined under OAC Rule 3745-560-02(C)(4).
7. The Respondents are each a "person" as that term is defined in ORC Section 3734.01(G) and in OAC Rule 3745-500-02(P)(4).
8. By letter dated September 14, 2004, Ohio EPA provided written acknowledgment of registration to Respondent Kurtz of its Class IV composting facility at the Properties.
9. The Lorain County Public Health is authorized to administer the solid waste program pursuant to OAC Rule 3745-37-08.
10. OAC Rule 3745-560-410(C) states, "The owner or operator shall not accept any prohibited material at the facility."
11. OAC Rule 3745-560-410(C)(2) states, "If prohibited material is detected, the owner or operator shall immediately do the following: (a) Remove the prohibited material from the materials placement area. (b) Manage the prohibited material in accordance with applicable laws and regulations. (c) Record incidents in the log of operations."
12. OAC Rule 3745-560-410(D)(4) states, "Static pile composting. The construction,

carbon to nitrogen ratio, moisture content, and turning frequency shall enable controlled biological decomposition under primarily aerobic conditions to be maintained throughout the composting process. Static piles shall be turned at a minimum two times per year to reintroduce oxygen into the composting process.”

13. OAC Rules 3745-560-410(H)(1), (4) and (5) state in pertinent part, “Operational control. The owner or operator shall operate the composting facility in such a manner that does the following: (1) Controls noise, dust, and odors so as not to cause a nuisance or a health hazard. (4) Employs reasonable measures to collect, properly contain, and dispose of scattered litter. (5) Prevents the creation of water pollution as to not violate Chapter 6111. of the Revised Code or any rules adopted thereunder.”
14. OAC Rule 3745-560-410(J) states, “Equipment availability. The owner or operator shall have operable equipment of adequate size and quantity for the operations of the facility available at all times.”
15. OAC Rule 3745-560-410(K) states, “Facility signage. When public access is allowed, the owner or operator shall post signs with letters not less than three inches in height at the composting facility including the receiving and distribution areas. The owner or operator shall post signs at the entrance of the composting facility that include the following statement: ‘This composting facility only accepts yard waste and will not accept hazardous wastes, infectious wastes, asbestos, batteries, or other prohibited materials.’”
16. OAC Rule 3745-560-410(M)(1)-(3) state, “Surface water management. The owner or operator shall do the following: (1) Control surface water runoff and runoff, prevent ponding and erosion, and minimize the impact to surface water and ground water. (2) Manage surface water in accordance with Chapter 6111. of the Revised Code. (3) Divert surface water from the materials placement area. The land surface of the materials placement area shall be greater than or equal to one per cent in slope and less than or equal to six per cent in slope to direct surface water to collection points or otherwise control the surface water drainage.”
17. OAC Rules 3745-560-410(N)(1)-(3) state, “Leachate management. The owner or operator shall do the following: (1) Take action to minimize the production of leachate. (2) Eliminate ponding of leachate and the conditions that contribute to the discharge of leachate from the composting facility. (3) Collect and contain leachate within the boundary of the composting facility and prevent leachate from discharging to waters of the state. Leachate may be collected and contained for reintroduction into the composting process.”
18. OAC Rules 3745-560-415(A) and (B) state, “Record retention and availability. The owner or operator shall do the following: (1) Maintain records specified in this rule

for a period of at least three years. (2) Have records available for inspection by the approved board of health or Ohio EPA during normal operating hours. (3) Upon request, submit records to Ohio EPA or the approved board of health. (B) Log of operation. The owner or operator shall do the following: (1) Record the facility operations on the log of operation forms as specified in rule 3745-560-04 of the Administrative Code. (2) Complete the log of operation at a minimum once per week at an active composting facility and once per month at an inactive composting facility. (3) Complete the log of operation more often than weekly if conditions warrant a higher frequency of completion in order to effectively monitor operations at the composting facility, or when required by Ohio EPA or the approved health department.”

19. By letter dated September 19, 2013, Lorain County Public Health cited Respondent Kurtz for the following violations:
 - a) For accepting prohibited materials in violation of OAC Rule 3745-560-410(C)(1)(j),
 - b) For failing to manage, remove and record prohibited material in violation of OAC Rule 3745-560-410(C)(2),
 - c) For failing to manage the static pile method in violation of OAC Rule 3745-560-410(D)(4), and
 - d) For failing to maintain adequate signage in violation of OAC Rule 3745-560-410(K).
20. By letter dated October 20, 2014, Lorain County Public Health cited Respondent Kurtz for the following violations:
 - a) For accepting prohibited materials in violation of OAC Rule 3745-560-410(C)(1),
 - b) For failing to manage, remove and record prohibited material in violation of OAC Rule 3745-560-410(C)(2),
 - c) For failing to maintain adequate signage in violation of OAC Rule 3745-560-410(K),
 - d) For failing to manage surface water in violation of OAC Rule 3745-560-410(M)(1),
 - e) For failing to manage leachate in violation of OAC Rule 3745-560-410(N), and
 - f) For failing to controls odors so as not to cause a nuisance in violation of OAC Rule 3745-560-410(H).
21. By letter dated August 21, 2015, Lorain County Public Health cited Respondent Kurtz for the following violations:
 - a) For accepting prohibited materials in violation of OAC Rule 3745-560-410(C)(1)(j),

- b) For failing to manage, remove and record prohibited material in violation of OAC Rule 3745-560-410(C)(2),
 - c) For failing to manage the compost pile following the static pile method in violation of OAC Rule 3745-560-410(D)(4),
 - d) For failing to controls odors so as not to cause a nuisance in violation of OAC Rule 3745-560-410(H),
 - e) For failing to employ reasonable measures to collect, properly contain, and dispose of scattered litter in violation of OAC Rule 3745-560-410(H),
 - f) For failing to maintain adequate signage in violation of OAC Rule 3745-560-410(K), and
 - g) For failing to maintain records in violation of OAC Rule 3745-560-415(A).
22. By letter dated December 16, 2015, Lorain County Public Health cited Respondent Kurtz for the following violations:
- a) For accepting prohibited materials in violation of OAC Rule 3745-560-410(C)(1),
 - b) For failing to maintain adequate signage in violation of OAC Rule 3745-560-410(K), and
 - c) For failing to maintain records and record the facility operations on the log of operation forms in violation of OAC Rule 3745-560-415(A) and (B).
23. By letter dated May 19, 2017, Lorain County Public Health cited Respondent Kurtz for the following violations:
- a) For failing to manage the compost pile following the static pile method in violation of OAC Rule 3745-560-410(D)(4), and
 - b) For failing to controls odors so as not to cause a nuisance in violation of OAC Rule 3745-560-410(H).
24. By letter dated August 28, 2017, Lorain County Public Health cited Respondent Kurtz for the following violations:
- a) For failing to controls odors so as not to cause a nuisance in violation of OAC Rule 3745-560-410(H), and
 - b) For failing to manage leachate in violation of OAC Rule 3745-560-410(N).
25. By letter dated June 8, 2018, Lorain County Public Health cited Respondent Kurtz for the following violations:
- a) For failing to controls odors so as not to cause a nuisance in violation of OAC Rule 3745-560-410(H),
 - b) For failing to have operable equipment of adequate size and quantity for the operations of the facility available at all times in violation of OAC Rule 3745-

- 560-410(J), and
- c) For failing to manage leachate in violation of OAC Rule 3745-560-410(N).
26. By letter dated July 6, 2018, Ohio EPA cited Respondent Kurtz for the following violations:
- a) For accepting prohibited materials in violation of OAC Rule 3745-560-410(C)(1),
 - b) For failing to manage, remove and record prohibited material in violation of OAC Rule 3745-560-410(C)(2),
 - c) For failing to manage the compost pile following the static pile method in violation of OAC Rule 3745-560-410(D)(4),
 - d) For failing to controls odors so as not to cause a nuisance in violation of OAC Rule 3745-560-410(H),
 - e) For failing to employ reasonable measures to collect, properly contain, and dispose of scattered litter in violation of OAC Rule 3745-560-410(H),
 - f) For failing to prevent the creation of water pollution as to not violate Chapter 6111. of the Revised Code or any rules adopted thereunder in violation of OAC Rule 3745-560-410(H),
 - g) For failing to have operable equipment of adequate size and quantity for the operations of the facility available at all times in violation of OAC Rule 3745-560-410(J),
 - h) For failing to manage surface water in violation of OAC Rules 3745-560-410(M)(1)-(3), and
 - i) For failing to manage leachate in violation of OAC Rule 3745-560-410(N)(1)-(3).
27. During a site visit on July 20, 2018, Ohio EPA staff observed four distinct piles. There were three parallel piles on the north side of the facility. The middle pile contained raw material as it is brought onto the site. There were two "first grind" piles located on either side of the raw material pile. DMWM observed processed material being placed on a first grind pile. An additional pile of "first grind" material was also located in the southwest portion of the facility. This pile had established vegetation growing on it and had been onsite for over two years.

Surface Water

28. Respondent Kurtz's operations are subject to the Ohio EPA Multi-Sector General National Pollutant Discharge Elimination System (NPDES) Permit for Storm Water Associated with Industrial Activities (MSGP) #OHR000006. Respondent obtained coverage under the current MSGP on April 16, 2018, and held coverage for operations under the previous version of this permit #OHR000005.

29. As a condition of the NPDES MSGP #OHR000006, Respondent Kurtz is required to develop a Storm Water Pollution Prevention Plan (SWPPP) to manage storm water runoff from the Facility. The SWPPP is intended to document the selection, design and installation of control measures required by the NPDES permit.
30. NPDES MSGP #OHR000006 contains the following requirements:
- a. **MSGP Part 1.1.4.1: Discharges Mixed with Non-Storm Water.** Storm water discharges that are mixed with non-storm water, other than those non-storm water discharges listed in Part 1.1.3, are not eligible for coverage under this permit.
 - b. **MSGP Part 2.1.2.10: Non-Storm Water Discharges.** You shall eliminate non-storm water discharges not authorized by an NPDES permit. See Part 1.1.3 for a list of non-storm water discharges authorized by this permit.
 - c. **MSGP Part 8.C.2.1: Prohibition of Non-Storm Water Discharges.** (See also Part 1.1.4) The following are not covered by this permit: non-storm water discharges containing inks, dyes, paints or substances (hazardous, non-hazardous, etc.) resulting from an onsite spill, including materials collected in drip pans; washwater from material handling and processing areas; and washwater from drum, tank or container rinsing and cleaning. Also not covered by this permit is the discharge of leachate as defined by Ohio Administrative Code (OAC) 3745-27-01(L)(1).
 - d. **MSGP Part 5.1:** For coverage under this permit, your storm water pollution prevention plan (SWPPP) shall contain a description of control measures (see Part 5.1.4).
 - e. **MSGP Part 5.1.4:** You shall document the location and type of control measures you have installed and implemented at your site to achieve the control measures/best management practices (BMPs) in Part 2.1.2, and where applicable, in Part 8.
31. Ohio Revised Code (ORC) § 6111.07 (A) provides: "No person shall violate or fail to perform any duty imposed by sections 6111.01 to 6111.08 of the Revised Code or violate any order, rule, or term or condition of a permit issued or adopted by the Director of environmental protection pursuant to those sections. Each day of violation is a separate offense."
32. ORC § 6111.04 (C) provides that "No person to whom a permit has been issued shall place or discharge, or cause to be placed or discharged, in any waters of the state any sewage, sludge, sludge materials, industrial waste, or other wastes in excess of the permissive discharges specified under an existing permit without first receiving a permit from the director to do so."

33. The SWPPP dated November 2014 on file with Ohio EPA states that leachate from a leachate containment pond (North Pond, see Attachment A) is to be re-circulated onto finished compost piles to help regulate temperature. If necessary, Respondent Kurtz will contract with the French Creek Wastewater Treatment Plant (WWTP) to dispose of leachate through an installed sanitary line or it will pump the wastewater into storage tanks that will be shipped off site to an approved WWTP for disposal.
34. The Facility also contains two storm water ponds, known as the Wet Pond and the South Pond (see Attachment A), that collects storm water runoff from a haul road and soil stockpiles. The Wet and South Ponds are not designed or intended to receive leachate.
35. On September 30, 2015, staff from Ohio EPA's Division of Surface Water conducted a compliance inspection of storm water best management practices at the Facility.
36. The inspection revealed that leachate from a stockpile of foundry sand stored in the north-west corner of the Facility was puddled on the ground and flowing toward a wetland area. The inspection further revealed that the leachate containment pond located in the north-east corner of the Facility (North Pond) was not providing containment as intended. Leachate was observed pooling in the forested area between the pond and Miller Road. This area drains to the City of Avon municipal separate storm sewer system (MS4) along Miller Road.
37. Respondent Kurtz's discharge of leachate noted in Finding 35 is in violation of the NPDES MSGP #OHR000005, ORC § 6111.04 (C) and ORC § 6111.07 (A).
38. On June 29, 2018, Ohio EPA's Division of Surface Water conducted an inspection of the Facility at the request of Lorain County Public Health to determine Respondent Kurtz's compliance with NPDES MSGP #OHR000006.
39. The inspection revealed that leachate is not being managed in accordance with the SWPPP. The North Pond was out of bank, allowing leachate to flow into areas that appear to be wetlands and onto the neighboring Avon Concrete facility. Further, it was determined that culvert pipes are installed under the haul road that forms the northern embankment of the South Pond allowing the discharge of leachate to the Wet Pond.
40. The inspection further revealed that Respondent Kurtz does not have a contract or agreement with the French Creek WWTP or any other WWTP for off-site disposal of leachate or any authorized storage for excess leachate at the Facility.

41. The inspection also revealed that runoff from the mulch dying operation was discharging into the South Pond causing the water to turn black. Ohio EPA considers that discharge to be leachate. Respondent has modified site operations to prevent future discharges from the dying operations from discharging to the South Pond.
42. Respondent Kurtz's failure to implement control measures contained in Respondent's SWPPP to eliminate the discharge of unauthorized non-storm water discharges described in Findings 38 and 39 are in violation of the permit #OHR000006, ORC § 6111.04 (C) and ORC § 6111.07 (A).
43. The June 29th inspection also revealed that the stockpile of "first grind" was located in or adjacent to an area that appears to be wetlands. Respondent Kurtz stated an intent to pull back the first grind pile and build a berm to segregate the pile from the suspected wetlands.
44. The Director has given consideration to, and based his determination on, evidence relating to the technical feasibility and economic reasonableness of complying with these Orders and to evidence relating to conditions calculated to result from compliance with these Orders, and its relation to the benefits to the people of the State to be derived from such compliance in accomplishing the purpose of ORC Chapter 6111.

V. ORDERS

Respondents shall achieve compliance with ORC Chapters 3734, 6111 and the rules promulgated thereunder according to the following compliance schedule:

1. No later than 30 days after the effective date of these Orders, Respondents shall complete the activities identified below:
 - A. Respondents shall enhance the berms to increase freeboard and reduce and maintain the leachate within the established embankments of the leachate collection pond (North Pond). Within 30 days of the effective date of these Orders, Respondents shall submit calculations of the leachate storage capacity of the North Pond that demonstrates that the North Pond as built is properly sized to collect and store leachate from piles A, B, C and D as shown on Attachment A and a plan for Ohio EPA's review and approval for maintaining an appropriate level of freeboard to ensure the North Pond does not discharge. Respondents shall utilize an aeration system in the North Pond to increase oxygen levels;

- B. Respondents shall take corrective action to prevent discharge from the South Pond to the Wet Pond by plugging or removing the culvert pipes under the haul road that separates these two ponds.
 - C. Respondents shall establish berms or relocate leachate-producing materials to prevent leachate from entering the catch basins tributary to the South Ponds designed and intended to only collect storm water.
 - D. Respondents shall update the SWPPP and SWPPP site map to reflect any changes to facility operations and control measures made as a result of corrective action required by these Orders including the signed agreement for off-site disposal and submit to Ohio EPA, Northeast District Office (NEDO).
- 2. Within 30 days of the effective date of these Orders, Respondent Kurtz shall establish berms between composting materials and wetlands or drainage channels to prevent any off-site discharge.
 - 3. Within 45 days after the effective date of these Orders, Respondents shall submit in writing to the Director for approval a Design and Operational Plan to facilitate operational compliance.

The Design and Operational Plan shall include the following:

- A. A map similar to attachment A that shows the locations of the composting piles, incoming yard waste processing area, leachate containment pond(s) and storm water management pond(s) on site. A description accompanying the map which details the process for each of the areas designated on the map, including materials stored, processing information and estimated capacity of the composting areas and incoming yard waste processing area.
- B. Maximum pile size and design supported by calculations and justifications;
- C. Surface water and leachate control structures sufficient to:
 - i. Minimize leachate production such that the maximum possible amount of surface water is diverted from areas where compost, feedstocks, bulking agents, and other additive or materials have been or will be deposited, processed or stored and;

- ii. Prevent leachate collected from compost, bulking agent, feedstock and other additives or material areas from discharging from the structure;
 - D. Methodology and equipment available to manage the materials, maintain aerobic conditions in all materials and leachate, and prevent prohibited material acceptance.
 - E. The North Pond will be aerated continuously 24 hours a day, 7 days a week, 365 days a year.
 - F. Incoming raw yard waste shall be mixed and covered with a high carbon oversized material prior to the close of business on the day the incoming raw yard waste is delivered to the Facility. The Facility is prohibited from having more than 5,000 cubic yards of unground incoming raw yard waste at the close of any business day.
4. Respondents shall maintain a log of operations on the forms for Class IV compost facilities which are attached hereto as Attachment B. The forms shall include, at a minimum:
- A. Volumes of bulking agent, feedstock, additive or other material received, deposited, processed or stored at the Facility entered as tons or cubic yards;
 - B. Wind direction;
 - C. Drawing - pile or windrow location as identified by a grid pattern on a plan drawing with a scale of 1 inch equals 100 feet, unique pile or windrow identification or number, pile or windrow shape or type;
 - D. Composting Process – method of composting used and description of equipment available;
 - E. A description of any complaints received and responses regarding Facility operations;
 - F. A record of the occurrence of any fires in any of the piles or windrows and the action taken;
 - G. The quantity of leachate removed from the Facility and the location at which it was disposed if offsite disposal is performed;

5. Respondents shall place identification markers corresponding to the information in the materials management forms and registration drawing at each pile or windrow.
6. Within 45 days after the effective date of these Orders, Respondents shall submit in writing to the Director an amended Class IV composting facility registration application meeting the requirements of OAC Rule 3745-560-400, including Attachment A to this Order.
7. Within 45 days after the effective date of these Orders, Respondents shall submit an Odor Monitoring and Mitigation Plan that contains at a minimum:
 - A. Odor surveillance route that Respondents will utilize to check for odors with frequency the route will be used;
 - B. Standards for determining and evaluating odor levels;
 - C. Staff training and a process to implement the Plan;
 - D. Communication protocols with complainants, government officials, Lorain County Public Health, and Ohio EPA and;
 - E. A plan to evaluate other odor control measures and to determine when they may become necessary to implement;

Any updates made to the Odor Monitoring and Mitigation Plan shall be submitted to Lorain County Public Health and Ohio EPA for approval.

8. Respondents shall remove the existing inventory (including the material that had been incorporated from the pile that existed at the southwest portion of the facility) and process raw yard waste inflow in the following manner:
 - A. Beginning the effective date of these orders until December 31, 2018, the existing site inventory and raw yard waste inflow shall be processed in accordance with the schedule in Attachment C;
 - B. All non-compostable solid waste (e.g. plastics, metals, post-screened residual materials, etc.) shall be disposed of at a sanitary landfill facility;
 - C. Beginning September 10, 2018 and ending January 10, 2018, Respondents shall provide a monthly report to Ohio EPA that includes the estimated

volume of yard waste ground, first grind screened material and finished compost product removed from the site.

9. Beginning on the effective date of these orders and continuing until the Design and Operational Plan is approved, Respondents shall aerate the North Pond continuously 24 hours a day, 7 days a week, 365 days a year.
10. Beginning on the effective date of these orders and continuing until the Design and Operational Plan is approved, incoming raw yard waste shall be mixed and covered with a high carbon oversized material prior to the close of business on the day the incoming raw yard waste is delivered to the Facility. Respondents are prohibited from having more than 5,000 cubic yards of unground incoming raw yard waste at the facility at the close of any business day.

VI. TERMINATION

Respondents' obligations under these Orders shall terminate when the Respondents certify in writing and demonstrate to the satisfaction of Ohio EPA that Respondents have performed all obligations under these Orders and the Chief of Ohio EPA's Division of Materials and Waste Management acknowledges, in writing, the termination of these Orders. If Ohio EPA does not agree that all obligations have been performed, then Ohio EPA will notify Respondents of the obligations that have not been performed, in which case the Respondents shall have an opportunity to address any such deficiencies and seek termination as described above.

The certification shall contain the following attestation: "Kurtz Brothers, Inc., Hope Realty, LTD and CDF, Inc. certify that the information contained in or accompanying this certification is true, accurate and complete."

This certification shall be submitted by the Respondents to Ohio EPA and shall be signed by a responsible official of each Respondent. For purposes of these Orders, a responsible official is the principal executive officer, the ranking elected official, or other duly authorized employee.

VII. OTHER CLAIMS

Nothing in these Orders shall constitute or be construed as a release from any claim, cause of action or demand in law or equity against any person, firm, partnership or corporation, not a party to these Orders, for any liability arising from, or related to, the operation of Respondents' Facility.

VIII. OTHER APPLICABLE LAWS

All actions required to be taken pursuant to these Orders shall be undertaken in accordance with the requirements of all applicable local, state and federal laws and regulations. These Orders do not waive or compromise the applicability and enforcement of any other statutes or regulations applicable to Respondent.

IX. MODIFICATIONS

These Orders may be modified by agreement of the parties hereto. Modifications shall be in writing and shall be effective on the date entered in the journal of the Director of Ohio EPA.

X. NOTICE

All documents required to be submitted by Respondent pursuant to these Orders shall be addressed to:

Ohio Environmental Protection Agency
Northeast District Office
Division of Materials and Waste Management
2110 East Aurora Road
Twinsburg, Ohio 44087

or to such persons and addresses as may hereafter be otherwise specified in writing by Ohio EPA.

XI. RESERVATION OF RIGHTS

Ohio EPA reserves its rights to seek civil or administrative penalties against Respondent for violations specifically cited in these Orders. Ohio EPA and Respondents each reserve all other rights, privileges and causes of action, except as specifically waived in Section XII of these Orders.

XII. WAIVER

In order to resolve disputed claims, without admission of fact, violation or liability, Respondents consent to the issuance of these Orders and agree to comply with these Orders. Except for the right to seek civil or administrative penalties against Respondent for violations specifically cited in these Orders, which right Ohio EPA does not waive, compliance with these Orders shall be a full accord and satisfaction for Respondents' liability for the violations specifically cited herein.

Respondents hereby waive the right to appeal the issuance, terms and conditions,

and service of these Orders, and Respondents hereby waive any and all rights Respondents may have to seek administrative or judicial review of these Orders either in law or equity.

Notwithstanding the preceding, Ohio EPA and Respondents agree that if these Orders are appealed by any other party to the Environmental Review Appeals Commission, or any court, Respondents retain the right to intervene and participate in such appeal. In such an event, Respondents shall continue to comply with these Orders notwithstanding such appeal and intervention unless these Orders are stayed, vacated or modified.

XIII. EFFECTIVE DATE


The effective date of these Orders is the date these Orders are entered into the Ohio EPA Director's journal.

XIV. SIGNATORY AUTHORITY

Each undersigned representative of a party to these Orders certifies that he or she is fully authorized to enter into these Orders and to legally bind such party to these Orders.

IT IS SO ORDERED AND AGREED:

Ohio Environmental Protection Agency



Craig W. Butler
Director

Director's Final Findings and Orders
Kurtz Brothers
Miller Rd Compost Facility

IT IS SO AGREED:

Kurtz Brothers, Inc.


Signature

8-23-18
Date

John T. Kurtz
Printed or Typed Name

President
Title

Hope Realty, LTD


Signature

8-23-18
Date

John T. Kurtz
Printed or Typed Name

Manager
Title

CDF, Inc.


Signature

8-23-18
Date

John T. Kurtz
Printed or Typed Name

President
Title



1 inch = 100 feet

Legend

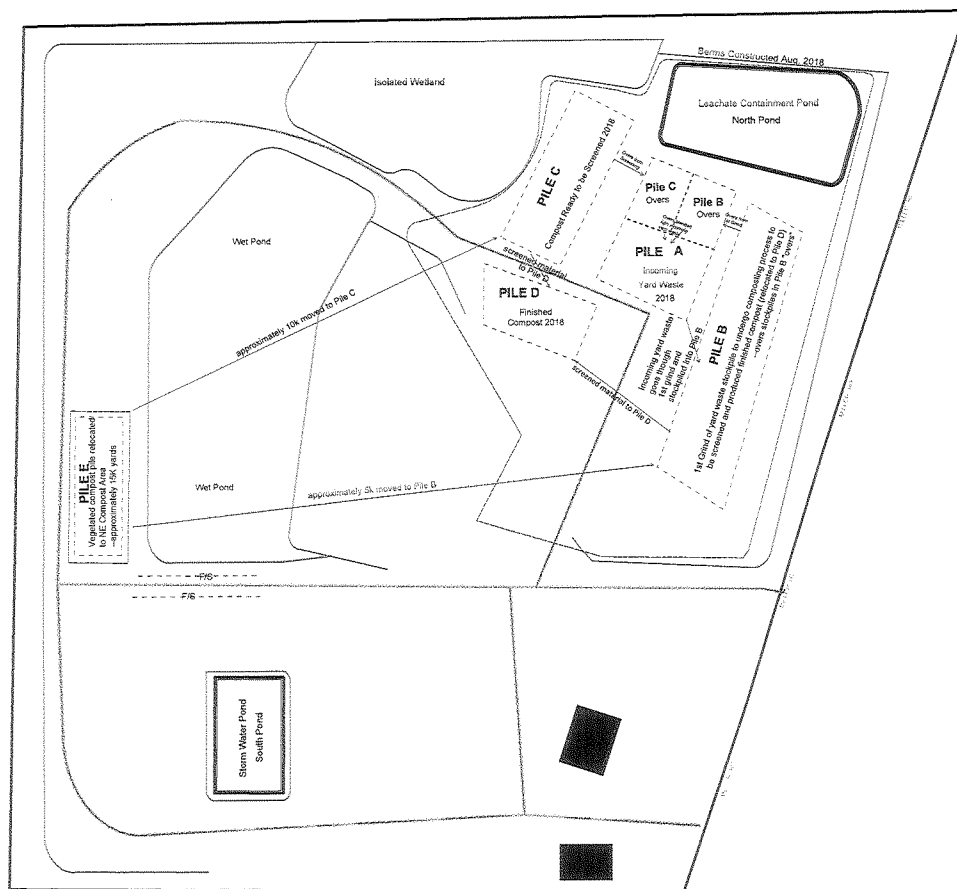
- Access Roads
- FIS- Filter Sock
- Structures
- Structures on Property
- QONR Water Wells
- Property Line
- Boundary Line Compost Facility
- Material Placement Areas
- Basins
- Berm

— Leachate management structures include:
— site (1) containment pond located in the northeast corner of the compost facility boundary
— vegetated berms on the west, north and east compost facility boundary line
Water tends to drain to the east side of the property. All leachate is collected on site and is recirculated back on the compost area.

— Limits of the one hundred year floodplain do not exist within the facility boundary or within five hundred feet beyond the facility boundary.

— The limits of state nature preserves, state wildlife areas, national and state forests, and national wildlife refuges, special interest areas and research natural areas in the Wayne National Forest, state resource waters, outstanding natural resource waters, category 3 wetlands, outstanding high quality waters, and water habitats, and exceptional water water habitats as classified in accordance with Chapter 1509-01 of the Administrative Code do not exist within the facility boundary or within five hundred feet beyond the facility boundary.

— The limits of a national park or national recreation area, candidate areas for potential inclusion into the national park system, and any state park or established state park purchase areas do not exist within the facility boundary or within five hundred feet beyond the facility boundary.



1 OF 1

Date: August 15, 2018

Title: Avon Production Facility Compost Facility Plan View Drawing August 15, 2018

Prepared for: KURT BROS., INC. 6415 Granger Road Independence, Ohio 43131

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ATTACHMENT A



Composting Facility Log of Operations Index

*Each form represents an individual tab
in the binder that houses the Log of Operations*

- Instructions for Composting Facility Log of Operations
- Form 1 - Yearly Cover Sheet
- Form 2 - Materials Acceptance and Distribution
- Form 3 - Materials Management
- Form 4a - Self-Inspection Checklist - Class I
- Form 4b - Self-Inspection Checklist - Class II
- Form 4c - Self-Inspection Checklist - Class III
- Form 4d - Self-Inspection Checklist - Class IV
- Form 5 - Unauthorized Materials
- Form 6 - Yard Waste Refusal Form



Composting Facility
Log of Operations
Yearly Cover Sheet

Year:

This cover sheet should be completed at the beginning of each year and should be kept on file at the beginning of the daily log file for that year as required by **Ohio Administrative Code 3745-560-04**. Attach amendments to this form as necessary

Facility Name: _____
(as it appears on registration and/or license)

Facility Location: _____
(street) (city) (state) (zip code)

Contact Name: _____ Phone #: _____

Class I <input type="checkbox"/>	Class II <input type="checkbox"/>	Class III <input type="checkbox"/>	Class IV <input type="checkbox"/>
(check one)			

Registration #: License #:

Method of Composting	Type and Number of Available Equipment
<input type="checkbox"/> Windrow composting	<input type="checkbox"/> Front end loader <input type="checkbox"/> Tub grinder
<input type="checkbox"/> In-vessel composting	<input type="checkbox"/> Trommel screens <input type="checkbox"/> Windrow turner
<input type="checkbox"/> Aerated static pile composting	<input type="checkbox"/> Shredder/chipper
<input type="checkbox"/> Static pile composting	
Other: <div style="border: 1px solid black; height: 100px; width: 100%;"></div>	Other: <div style="border: 1px solid black; height: 100px; width: 100%;"></div>

This Log of Operations should be retained on file for inspection by the local health department, Ohio EPA, or an authorized representative. Failure to provide accurate information may be considered a violation of Ohio Revised Code 2921.13.

Materials Acceptance & Distribution

Year: _____ Page: _____ of _____

[illegible]

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Composting Facility - Log of Operations
Materials Management

Facility: _____

Year: _____ Page: _____ of _____

[illegible]

Signature of _____ Print Name of _____
Person Completing Form Person Completing Form

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Composting Facility - Log of Operations Self-Inspection Checklist Class I Composting Facility

Facility: _____

Date: _____ Time: _____

Weather Conditions: _____

Person Completing Inspection: _____

Is the above site being operated **in compliance** with the following regulations? Please mark the box in the appropriate column to denote compliance status. Marking the box in the **NO** column indicates that a violation has been noted. If a violation is noted, a description of the violation and steps taken to return to compliance should be provided in the Corrective Actions section below. Please mark the N/A box if not applicable to this location. This checklist is not all inclusive of regulations applicable to Class I composting facilities.

Y	N	N/A		Y	N	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3745-560-110 Operational requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3745-560-110 Operational Requirements (cont.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(A) Comply with authorizing documents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(J) Adequate equipment for operations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(B) Accept only authorized materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(L)(1) Process wood and remove foreign material
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(C)(2) If prohibited material is detected:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Process wood at least annually
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(a) Remove material from placement area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(M)(1) Control runoff and runoff, prevent ponding and erosion
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(b) Manage material appropriately	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Manage surface water (ORC 6111)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(c) Record incidents in log of operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Divert surface water from materials placement area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(G) Remove/shred compostable containers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4) Monitor surface water (if required)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(H)(1) Control noise, dust and odors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(N)(1) Minimize production of leachate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Control vectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Eliminate ponding of leachate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Prevent fire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Collect and contain leachate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4) Collect and dispose of scattered litter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4) Maintain leachate control structures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(5) Prevent water pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(O) Prevent cross-contamination
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(6) Prevent air pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(P)(1) Incorporate food scraps
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(I)(1) Limit access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Maintain stockpile of biofilter material
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Maintain placement areas and access roads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Control free liquid
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Exclude animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Corrective Actions (if necessary):

Notes:

This Log of Operations should be retained on file for inspection by the local health department, Ohio EPA, or an authorized representative. Failure to provide accurate information may be considered a violation of Ohio Revised Code 2921.13.

Composting Facility - Log of Operations Self-Inspection Checklist Class II Composting Facility

Facility: _____

Date: _____ Time: _____

Weather Conditions: _____

Person Completing Inspection: _____

Is the above site being operated **in compliance** with the following regulations? Please mark the box in the appropriate column to denote compliance status. Marking the box in the **NO** column indicates that a violation has been noted. If a violation is noted, a description of the violation and steps taken to return to compliance should be provided in the Corrective Actions section below. Please mark the N/A box if not applicable to this location. This checklist is not all inclusive of regulations applicable to Class II composting facilities.

Y	N	N/A		Y	N	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3745-560-210 Operational requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3745-560-210 Operational Requirements (cont.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(A) Comply with authorizing documents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(J) Adequate equipment for operations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(B) Accept only authorized materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(L)(1) Process wood and remove foreign material
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(C)(2) If prohibited material is detected:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Process wood at least annually
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(a) Remove material from placement area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(M)(1) Control runoff and runoff, prevent ponding and erosion
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(b) Manage material appropriately	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Manage surface water (ORC 6111)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(c) Record incidents in log of operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Divert surface water from materials placement area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(G) Remove/shred compostable containers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4) Monitor surface water (if required)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(H)(1) Control noise, dust and odors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(N)(1) Minimize production of leachate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Control vectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Eliminate ponding of leachate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Prevent fire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Collect and contain leachate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4) Collect and dispose of scattered litter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4) Maintain leachate control structures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(5) Prevent water pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(O) Prevent cross-contamination
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(6) Prevent air pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(P)(1) Incorporate food scraps
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(I)(1) Limit access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Maintain stockpile of biofilter material
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Maintain placement areas and access roads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Control free liquid
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Exclude animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Corrective Actions (if necessary):

Notes:

This Log of Operations should be retained on file for inspection by the local health department, Ohio EPA, or an authorized representative. Failure to provide accurate information may be considered a violation of Ohio Revised Code 2921.13.

Composting Facility - Log of Operations Self-Inspection Checklist Class III Composting Facility

Facility: _____

Date: _____ Time: _____

Weather Conditions: _____

Person Completing Inspection: _____

Is the above site being operated **in compliance** with the following regulations? Please mark the box in the appropriate column to denote compliance status. Marking the box in the **NO** column indicates that a violation has been noted. If a violation is noted, a description of the violation and steps taken to return to compliance should be provided in the Corrective Actions section below. Please mark the N/A box if not applicable to this location. This checklist is not all inclusive of regulations applicable to Class III composting facilities.

Y	N	N/A		Y	N	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3745-560-310 Operational requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3745-560-310 Operational Requirements (cont.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(A) Comply with authorizing documents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(J) Adequate equipment for operations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(B) Accept only authorized materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(L)(1) Process wood and remove foreign material
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(C)(2) If prohibited material is detected:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Process wood at least annually
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(a) Remove material from placement area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(M)(1) Control runoff and runoff, prevent ponding and erosion
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(b) Manage material appropriately	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Manage surface water (ORC 6111)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(c) Record incidents in log of operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Divert surface water from materials placement area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(G) Remove/shred compostable containers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4) Monitor surface water (if required)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(H)(1) Control noise, dust and odors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(N)(1) Minimize production of leachate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Control vectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Eliminate ponding of leachate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Prevent fire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Collect and contain leachate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4) Collect and dispose of scattered litter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4) Maintain leachate control structures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(5) Prevent water pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(O) Prevent cross-contamination
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(6) Prevent air pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(I)(1) Limit access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Maintain placement areas and access roads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Exclude animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Corrective Actions (if necessary):

Notes:

This Log of Operations should be retained on file for inspection by the local health department, Ohio EPA, or an authorized representative. Failure to provide accurate information may be considered a violation of Ohio Revised Code 2921.13.

Composting Facility - Log of Operations Self-Inspection Checklist Class IV Composting Facility

Facility: _____

Date: _____ Time: _____

Weather Conditions: _____

Person Completing Inspection: _____

Is the above site being operated **in compliance** with the following regulations? Please mark the box in the appropriate column to denote compliance status. Marking the box in the **NO** column indicates that a violation has been noted. If a violation is noted, a description of the violation and steps taken to return to compliance should be provided in the Corrective Actions section below. Please mark the N/A box if not applicable to this location. This checklist is not all inclusive of regulations applicable to Class IV composting facilities.

Y	N	N/A		Y	N	N/A	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3745-560-410 Operational requirements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3745-560-410 Operational Requirements (cont.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(A) Comply with authorizing documents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(J) Adequate equipment for operations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(B) Accept only authorized materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(L)(1) Process wood and remove foreign material
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(C)(2) If prohibited material is detected:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Process wood at least annually
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(a) Remove material from placement area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(M)(1) Control runoff and runoff, prevent ponding and erosion
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(b) Manage material appropriately	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Manage surface water (ORC 6111)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(c) Record incidents in log of operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Divert surface water from materials placement area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(G) Remove/shred compostable containers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4) Monitor surface water (if required)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(H)(1) Control noise, dust and odors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(N)(1) Minimize production of leachate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Control vectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Eliminate ponding of leachate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Prevent fire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Collect and contain leachate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4) Collect and dispose of scattered litter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4) Maintain leachate control structures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(5) Prevent water pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(6) Prevent air pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(I)(1) Limit access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2) Maintain placement areas and access roads				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3) Exclude animals				

Corrective Actions (if necessary):

Notes:

This Log of Operations should be retained on file for inspection by the local health department, Ohio EPA, or an authorized representative. Failure to provide accurate information may be considered a violation of Ohio Revised Code 2921.13.

Composting Facility - Log of Operations
Unauthorized Materials

Facility: _____

Year: _____ Page: ____ of ____

Date	Time	Description of Material	Hauler Name	Action Taken by Owner/Operator

Signature of Person Completing Form _____	Print Name of Person Completing Form _____
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This Log of Operations should be retained on file for inspection by the local health department, Ohio EPA, or an authorized representative. Failure to provide accurate information may be considered a violation of Ohio Revised Code 2921.13.

Composting Facility - Log of Operations

Yard Waste Refusal Form

This form shall be completed by the owner/operator of the compost facility when a load of yard waste is refused in accordance with OAC 3745-560-04(A)(7). The transporter of the yard waste shall take this form to a licensed solid waste disposal facility. The solid waste disposal facility shall retain this form with its daily log of operations.

A. Facility Information

Facility Name: _____ Registration #: _____

Facility Address: _____
(street) (city) (state) (zip)

Contact Name: _____ Phone #: _____

B. Rejection of Incoming Load of Yard Waste

Date Load Rejected: _____ Time Load Rejected: _____

License Plate#: _____ Hauler Name: _____

Reason for Rejection:

Additional Notes:



Composting Facility Log of Operations Instructions

A log of operations must be completed for each license/registration year at a composting facility as required by Ohio Administrative Code Rule 3745-560-04. The forms described below must be completed and retained at the facility or at another location acceptable to the licensing/registration authority. Each form should be indexed for use by the facility operator.

Form 1 – Yearly Cover Sheet

Complete Form 1 at the beginning of each year. If a section does not apply, indicate so with the notation N/A. If any of the information contained on Form 1 changes during the license/registration year, attach an addendum to the form with the corrections and the date on which they occurred. Maintain Form 1 at the beginning of the complete Log of Operations.

Form 2 – Materials Acceptance and Distribution

Form 2 is the record of waste received for composting and compost that leaves the facility for distribution.

Date Load Received

Enter the date when the waste was recorded. For facilities that have a drop off area for the public, enter the date the site operator accounted for the waste.

Quantity of Waste

Enter the amount of weight by weight (tons) or volume (cubic yards) of each incoming load.

Type of Waste

Describe what type of waste received.

County of Generation

Enter the county and state (if not Ohio) where the load of waste was generated.

Compost Distributed

Enter the weight or volume in tons or cubic yards of compost product distributed (sold or given away) or removed from the facility for disposal.

Form 3 – Materials Management

This form is the log of all of the composting activities conducted at the facility. For this portion of the log you will focus on documenting management activities, such as the formation of new windrows/piles or loading of in-vessel system, and turning windrows/piles, taking temperatures, etc.

Date

Enter the date the new windrows/piles were formed or the in-vessel system was loaded and any activities that were done on an existing windrows/piles or in-vessel (taking temperatures, turning, sampling, other activities). The facility operator will also record the date when clean whole wood is processed.

Pile ID #

The pile ID is used as a tracking system for cross contamination and/or to follow the activities and stages of the composting waste. Assign an alphabetical or numeric label to each windrow, pile or in-vessel. This label should remain consistent from day to day unless two or more piles are combined. When piles are combined, a new label should be assigned.

Temperature

Enter temperature in Fahrenheit, if taken.

Formed

Place an X in the box if the pile or windrow was formed.

Turned

Place an X in the box if the pile, windrow, or in-vessel was turned.

Loaded

Place an X in the box if material was loaded into an in-vessel system.

Sampled

Place an X in the box if the pile, windrow, or in-vessel was sampled.

Wood Processing

Place an X in the box if tree stumps, trunks, limbs, and/or clean untreated wood was shredded or chipped.

Description of Activities

Enter a brief description of any other activities concerning a particular pile (i.e. removal of material, combining of piles, receipt of testing results, etc.). Also use this space to include a brief description of the feedstocks used in the piles.

Form 4 – Self-Inspection Checklist

The facility operator will complete a self-inspection checklist to monitor compliance at the site. Please mark the box in the appropriate column to denote compliance status. Marking the box in the NO column indicates that a violation has been noted. If a violation is noted, a description of the violation and steps taken to return to compliance should be provided in the Corrective Actions section.

Form 5 – Unauthorized Materials

Date

Enter the date the unauthorized material was discovered.

Time

Enter the time the unauthorized material was discovered.

Description of Material

Enter a brief description of the material discovered.

Hauler Name

Enter the name of the hauler (person or company) of the unauthorized waste load.

Actions Taken by Owner/Operator

Enter the actions taken by the owner/operator to remove unauthorized materials from the facility.

Form 6 – Yard Waste Load Refusal Form

This form shall be completed (both sections A and B) by the owner/operator of the compost facility when a load of yard waste is refused in accordance with OAC 3745-560-04(A)(7). The transporter of the yard waste shall take this form to a licensed solid waste disposal facility. The solid waste disposal facility shall retain this form with its daily log of operations.

Existing Site Inventory - Beginning of Month						
	August	Sept	Oct	Nov	Dec	Total
Current 1st Grind Inventory	70,000	38,750	7,500	0	0	0
Anticipated Screening Volume	31,250	31,250	7,500	0	0	70,000
Finish Compost Created	15,625	15,625	3,750	0	0	35,000
Overs, High Carbon Created	15,625	15,625	3,750	0	0	35,000
1st Grind Inventory after screening	38,750	7,500	0	0	0	0

* Overs will remain onsite to be blended with yard waste inflow

Estimated Raw Yard Waste Inflow						
	August	Sept	Oct	Nov	Dec	Total
Anticipated Inflow	7,500	7,500	10,000	12,000	5,000	42,000
40% inclusion of Overs	3,000	3,000	4,000	4,800	2,000	16,800
Total Raw Yard Waste to be Processed	10,500	10,500	14,000	16,800	7,000	58,800
Anticipated Grinding of Raw Yard Waste	10,500	10,500	14,000	16,800	7,000	58,800
1st Grind Inventory Creation (50% reduction)	5,250	5,250	7,000	8,400	3,500	29,400
Inventory of New 1st Grind	5,250	10,500	17,500	25,900	24,150	
Anticipated Screening	0	0	0	5,250	5,250	10,500
Finish Compost Created				2,625	2,625	5,250
Overs, High Carbon Created				2,625	2,625	5,250
1st Grind Inventory after screening	5,250	10,500	17,500	20,650	18,900	0

* screening is scheduled 3 months after material arrives on site.

Total Site Inventory - End of Month						
	August	Sept	Oct	Nov	Dec	Total
Existing 1st Grind Inventory	38,750	7,500	0	0	0	
Newly created 1st Grind Inventory	5,250	10,500	17,500	20,650	18,900	
Total 1st Grind Yard Waste	44,000	18,000	17,500	20,650	18,900	
Overs Inventory for Incoming blending	12,625	25,250	25,000	22,825	23,450	
Total Inventory	56,625	43,250	42,500	43,475	42,350	

Raw Yard Waste Ground (All Incoming + Overs)	58,800
1st Grind Screened	80,500
Finish Compost Removed from Site	40,250