

Ohio EPA Policy	<b>Design Criteria; Composted Sludge</b>	
DSW-0400.018  <b>Removed</b>	Statutory reference: Rule reference:	Ohio EPA, Division of Surface Water Revision 0, August 1, 1988 Removed, August 23, 2002
<p><b>THIS POLICY DOES NOT HAVE THE FORCE OF LAW</b> Pursuant to Section 3745.30 of the Revised Code, this policy was reviewed and removed.</p>		

This policy has been replaced by policy number DSW-0100.028, Revision 1, August 23, 2002.

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# THIS POLICY DOES NOT HAVE THE FORCE OF LAW

NUMBER: DSW-0400.018  
ISSUED: 8-1-88  
STATUS: FINAL  
DIVISION: DSW  
PAGE: 1 OF 5

## Design Criteria; Composted Sludge

PURPOSE: To protect the public from potentially harmful toxic substances and pathogens that may be present in some composted sludges. Secondly, to promote public acceptance of the beneficial use of sewage sludge compost by regulating the disposal of potentially harmful compost.

POLICY: This policy applies to any practice whereby a composted sewage sludge generator disposes, gives away, releases, or transfers composted sewage sludge to a recipient.

This policy applies to all products containing sewage sludge which are generated within the state of Ohio. Comparable materials imported into the state of Ohio must comply with all the requirements of this policy and must also meet the Class I criteria. Otherwise, these materials will be considered as sewage sludge and will be subject to the Ohio EPA policy for land application of sewage sludge.

### Composted Sludge Disposal, distribution, and Marketing

The owner of a facility producing a sewage sludge based compost shall submit to Ohio EPA a detailed management plan for the disposal and distribution of that compost. Ohio EPA will classify the product based upon the following criteria:

1. Class I Composted Product:
  - a. The maximum contaminant concentration of the product shall not exceed:

Cadmium	12.5 mg/kg dry weight
Lead	500 mg/kg dry weight
PCB	5 mg/kg dry weight
  - b. The product shall be stabilized as defined under "Compost" in the "Ohio EPA Land Application of Sludge Manual, March 1983". Other pathogen destruction criteria may be considered.
  - c. Have a cadmium to zinc ratio of no more than 0.015 (Cd wt./Zn wt. equal to or less than 15/1000).
  - d. Not contain particles which may injure persons handling the product.
  - e. Have physical characteristics so that it will not be prone to excessive blowing, drifting, or other extensive migration.

NUMBER: DSW-0400.018  
ISSUED: 8-1-88  
STATUS: FINAL  
DIVISION: DSW  
PAGE: 2 OF 5

2. Class II Composted Product:

- a. The maximum contaminant concentration of the product shall not exceed:

Cadmium	25 mg/kg dry weight
Lead	1000 mg/kg dry weight
PCB	10 mg/kg dry weight

- b. The product shall be stabilized as defined under "Compost" in the "Ohio EPA Land Application of Sludge Manual, March 1983". Other pathogen destruction criteria may be considered.
- c. Have a cadmium to zinc ratio of no more than 0.015 (Cd wt./Zn wt. equal to or less than 15/1000).
- d. Not contain particles which may injure persons handling the product.
- e. Have physical characteristics so that it will not be prone to excessive blowing, drifting, or other extensive migration.

3. Class III Composted Product:

- a. May contain Cd, Pb, and PCBs in concentrations exceeding Class I and II Compost.
- b. The product shall be stabilized as defined under "Compost" in the "Ohio EPA Land Application of Sludge Manual, March 1983". Other pathogen destruction criteria may be considered.
- c. Have a cadmium to zinc ratio of no more than 0.015 (Cd wt./Zn wt. equal to or less than 15/1000).
- d. Not contain particles which may injure persons handling the product.

All composts are subject to individual inspection, examination, and approval by Ohio EPA. Ohio EPA will confirm the proposed classification of the compost upon receipt of a management plan.

The classification of the compost may be re-evaluated by Ohio EPA as deemed necessary to determine compliance with the classification standards and approved management plan. It is the duty of the compost producing facility to notify Ohio EPA of significant changes in the quality of the compost being produced at that facility. If such changes result in a reclassification of the composted product by Ohio EPA, then the owner will have to modify his distribution plan accordingly. The management plan should not meet the approved classification.

NUMBER: DSW-0400.018  
ISSUED: 8-1-88  
STATUS: FINAL  
DIVISION: DSW  
PAGE: 3 OF 5

### Distribution Requirements and Limitation

The distribution of compost will be regulated in accordance with the following conditions:

1. Class I

Class I products may be distributed for general use including food chain crops. This policy does not exempt the producers or distributors from the Ohio Department of Agriculture or other regulatory requirements.

A label shall be printed on or affixed to the composted product's bag or accompany the product when distributed in bulk. The label shall:

- a. Identify the product as composted sewage sludge or containing composted sewage sludge.
- b. Give instructions detailing the proper uses of the product.
- c. State that the compost complies with Ohio EPA Class I compost requirements.

In case of a product which will be distributed in bags for retail sale, the product should contain a minimum of 10 percent lime or limestone or equivalent on a dry weight basis.

Ohio EPA may exempt the product from the labeling and other requirements, if the compost is used as one ingredient in a blended product. Exemption shall be determined on a case-by-case basis as justified in the Management Plan.

2. Class II

Class II products shall be distributed for uses other than those of food chain crops unless approved by Ohio EPA. This policy does not exempt producers or distributors from the Ohio Department of Agriculture or other regulatory requirements.

A label shall be printed on or affixed to the composted product's bag or accompany the product when distributed in bulk. the label shall:

- a. Identify the product as composted sewage sludge or containing composted sewage sludge.
- b. Give instructions detailing the proper uses of the product.
- c. State that the compost complies with Ohio EPA Class II compost requirements.

NUMBER: DSW-0400.018  
ISSUED: 8-1-88  
STATUS: FINAL  
DIVISION: DSW  
PAGE: 4 OF 5

In case of a product which will be distributed in bags for retail sale, the product should contain a minimum of 10 percent lime or limestone or equivalent on a dry weight basis.

Ohio EPA may exempt the product from the labeling and other requirements, if the compost is used as one ingredient in a blended product. Exemption shall be determined on a case-by-case basis as justified in the Management Plan.

3. Class III

Class III products shall be used on approval from Ohio EPA. Approval will be based on the intended end use and the particular analysis of the compost in question. The management plan approval letter will include the conditions and requirements for the disposal and/or marketing of this product. These conditions will be determined on a case-by-case basis.

Compost Record Keeping

Generators of all classes of composted sewage sludge shall maintain records on the following:

1. Quantity and chemical analysis of the compost produced.
2. Names and addresses of organizations/persons receiving the composted products from the facility and the quality and quantity received. Copies of bills of lading from such potential customers will constitute fulfillment of this requirement.

The above information shall be maintained by the generator for a period of three years, and it should be available for public inspection.

Records and information described in Item A (1) shall be submitted monthly to the district office of the Ohio EPA which has jurisdiction over the geographical area in which the entity is located no later than 30 days following the end of the reporting month. Records described in Item A (2) shall be submitted to Ohio EPA upon request. The Ohio EPA may exempt the generator from keeping record of deliveries of small quantities of compost.

Testing

The quality of the compost produced at each facility shall be ascertained every 5,000 cubic yards of screened compost, or at least, once per month. This analysis shall include Cadmium, Lead, PCB, and any other parameters which may be defined in the management plan approval letter.

NUMBER: DSW-0400.018  
ISSUED: 8-1-88  
STATUS: FINAL  
DIVISION: DSW  
PAGE: 5 OF 5

Management Plan

The management plan for marketing and disposal of the composted sewage sludge should be prepared in accordance with the applicable sections of the "Ohio EPA Land Application of Sludge Manual, March, 1983". In addition, the management plan shall address the following:

Source of compost.

Description of the composting process.

Description of the composting process to achieve the pathogen destruction criteria.

Sampling and analytical methods to be used.

Strategy for marketing or disposal.

Labeling.

Ingredients in the blended products, if applicable.

Plan for disposal of the composted sludge if it does not meet the requirements of the approved classification.

Justification for any exemptions from the requirements of this policy.