

RULE 1133 EMISSION REDUCTIONS FROM DIRECT LAND APPLICATION

(a) Purpose

The purpose of this rule is to reduce emissions of volatile organic compounds and ammonia by establishing requirements and prohibitions on Organic Material for Direct Land Application.

(b) Applicability

This rule applies to owners or operators who supply, sell, market, offer for sale, or manufacture Organic Material and are subject to any of the following: Rule 1133.1 – Chipping and Grinding Operations (Rule 1133.1), Rule 1133.2 – Emission Reductions from Co-Composting Operations (Rule 1133.2), or Rule 1133.3 – Emission Reductions from Composting Operations (Rule 1133.3).

(c) Definitions

For the purposes of this rule, the following definitions shall apply:

- (1) ACTIVE PHASE is the portion of the composting process characterized by rapid decomposition and biological instability, generating temperatures of at least 122 degrees Fahrenheit (50 degrees Celsius). The Active Phase includes the Pathogen Reduction Process.
- (2) AGRICULTURAL OPERATIONS are defined in Rule 102 – Definition of Terms.
- (3) BIOMASS POWER GENERATION FACILITY is an electrical generation facility that uses biomass, which includes Greenwaste, Woodwaste, and orchard removal trees, as fuel to generate electricity.
- (4) BIOSOLIDS are the residual solid wastes produced by the anaerobic digestion of sewage and other Organic Waste Material at publicly owned treatment works.
- (5) COMPOST OVERS are woody materials that do not decompose in a typical composting cycle and are screened out of Finished Compost at the end of composting. Compost Overs have completed the Pathogen Reduction Process.
- (6) CURING PHASE is the portion of the composting process that begins immediately after the end of the Active Phase of composting and characterized by slower decomposition until reaching biological stability.
- (7) DIGESTATE is the residual material produced by the anaerobic digestion of Organic Waste Material excluding sewage or Biosolids.
- (8) DIGESTION OPERATION is a facility that operates one or more anaerobic digesters to facilitate the decomposition of Organic Waste Material.

- (c) (9) DIRECT LAND APPLICATION is the final deposition of Organic Material on a parcel of land.
- (10) FINISHED COMPOST is a humus-like material that results from the controlled biological decomposition of Organic Waste Material and is biologically stable. Both the Active Phase and Curing Phase of composting are required to achieve this product.
- (11) FOODWASTE is any food scraps collected from the food service industry, grocery stores, or residential food scrap collection. Foodwaste also includes food scraps that are chipped and ground. Food scraps co-collected with curbside Greenwaste collection are considered Greenwaste.
- (12) GREENWASTE is any waste of organic origin generated from gardening, agriculture, or landscaping activities including grass clippings, leaves, tree and shrub trimmings, and plant remains. Food scraps co-collected with curbside Greenwaste collection are considered Greenwaste. Small woody materials, such as prunings and trimmings up to four (4) inches in diameter, are Greenwaste.
- (13) INTERMEDIATE MATERIAL is Greenwaste that has completed the Pathogen Reduction Process but is not considered Finished Compost or Compost Overs. Intermediate Material may also include Digestate if feedstock was exclusively Greenwaste and has completed the Pathogen Reduction Process.
- (14) MANURE is the solid waste and soiled bedding produced by livestock and zoological operations from the keeping of animals.
- (15) ORGANIC MATERIAL is any solid finished product, byproduct, intermediate, or feedstock for composting. Organic Material includes Finished Compost, Compost Overs, Intermediate Material, and Organic Waste Material.
- (16) ORGANIC MATERIAL SUPPLIER is a facility that supplies, sells, markets, offers for sale, or manufactures Organic Material for use offsite.
- (17) ORGANIC WASTE MATERIAL is any waste material of organic origin that may be used as feedstock to produce Finished Compost, Compost Overs, or Intermediate Material. Organic Waste Material includes Greenwaste, both curbside and non-curbside, Woodwaste, Foodwaste, Biosolids, Digestate, and Manure.
- (18) PATHOGEN REDUCTION PROCESS is the process outlined in Title 14, Section 17868.3 of the California Code of Regulations.
- (19) UNCOMPOSTED GREENWASTE is Greenwaste that has not at least completed the Pathogen Reduction Process. Intermediate Material, Finished Compost, and Compost Overs are not considered Uncomposted Greenwaste.

- (c) (20) WOODWASTE is lumber, and the woody material portion of mixed demolition wastes and mixed construction wastes. Large woody materials, such as branches, tree trunks, and stumps exceeding four (4) inches in diameter are Woodwaste.
- (d) Requirements
No owner or operator of an Organic Material Supplier shall supply, sell, market, or offer for sale Uncomposted Greenwaste, unless:
 - (1) Otherwise allowed by the Local Enforcement Agency;
 - (2) The recipient of Uncomposted Greenwaste is a(n):
 - (a) Co-Composting operation subject to Rule 1133.2;
 - (b) Composting operation subject to Rule 1133.3;
 - (c) Digestion Operation;
 - (d) Biomass Power Generation Facility;
 - (e) Agricultural Operation; or
 - (f) Facility located outside of South Coast AQMD; and
 - (3) For supply to Agricultural Operations, the recipient of Uncomposted Greenwaste informs the owner or operator of intent to use an acceptable Direct Land Application technique, either:
 - (a) Land incorporation by tilling, injecting, or plowing that covers Uncomposted Greenwaste with soil to a depth of six (6) inches; or
 - (b) Cover Uncomposted Greenwaste with at least six (6) inches of Finished Compost or Compost Overs.
- (e) Recordkeeping
The owner or operator of an Organic Material Supplier shall:
 - (1) Record for each recipient of Uncomposted Greenwaste, if applicable:
 - (a) Recipient's name, recipient type as described in paragraph (d)(2), mailing address, email address, and telephone number;
 - (b) Dates of receipt and daily quantity supplied expressed in tons;
 - (c) For recipient type Agricultural Operations, the acceptable Direct Land Application technique as described in paragraph (d)(3); and
 - (d) Each destination address or latitude and longitude coordinates; and
 - (2) Maintain records on-site for a period of at least three (3) years. Records shall be made available to the Executive Officer upon request.

(f) Prohibitions

No owner or operator of an Organic Material Supplier shall supply, sell, market, or offer for sale for Direct Land Application the following Organic Material:

- (1) Foodwaste.
- (2) Biosolids.
- (3) Manure.
- (4) Digestate not considered Intermediate Material, unless the recipient of Digestate informs the owner or operator of intent to use an acceptable Direct Land Application technique, either:
 - (a) Land incorporation by tilling, injecting, or plowing that covers Digestate with soil to a depth of six (6) inches; or
 - (b) Cover Digestate with at least six (6) inches of Finished Compost or Compost Overs.

(g) Exemptions

The owner or operator of an Organic Material Supplier that supplies, sells, or markets less than 100 tons of Uncomposted Greenwaste per calendar year shall be exempt from the requirements of paragraphs (d)(2) and (d)(3), provided that the owner or operator records and maintains records in accordance with subdivision (e).