

Agency of Natural Resources
Solid Waste Management Program
1 National Life Dr – Davis 1,
Montpelier VT 05620-3704

**ANAEROBIC SOLID WASTE DIGESTION FACILITY
APPLICATION FORM**

March 12, 2014
Revised: June 31, 2018

Please print the information in items 1-9 below

1. Facility, Facility Owner and Operator Information

A.	Facility Name:	
	Facility 911 Address:	
	Telephone:	
B.	Facility Landowner:	
	Signature:	
	Mailing Address:	
	Email:	
	Telephone:	
C.	Facility Operator:	
	Signature:	
	Mailing Address:	
	Email:	
	Telephone:	

2. Siting and Prohibited Areas

Is the anaerobic solid waste digester facility located:		
	Yes	No
A. In a Class I and Class II Groundwater Area?		
B. In a Class I or II wetlands or associated buffers?	<i>If yes, attach conditional use determination</i>	
C. In a Class III wetlands?	<i>If yes, attach water quality certification</i>	
D. In a National Wildlife Refuge or a State Wildlife Management Area?		

E. In a watershed for Class A waters, as designated by the Natural Resources Board?		
F. Within 500 feet of an Outstanding Resource Waters as designated by the VT Water Resources Boards or the Natural Resources Board?	<i>If yes, attach consent letter from Town</i>	
G. Within 100 feet of a private water supply not owned by the applicant?		
H. Within 100 feet of waters of the state?		
I. Within 50 feet of a property line or edge of a public road?		
J. Within 100 feet of a residence not owned by the applicant or a public building?		

3. Application Requirements

- A. Topographic Map of the site at a 1:24,000 scale. The map can be United States Geological Survey, or a color print out from the Agency of Natural Resources Atlas mapping tool containing all available layers that show siting features and prohibited areas. ANR Atlas: <https://anrmaps.vermont.gov/websites/anra5/>
- B. Site Plan Map at a scale of 1:100 or greater that contains
 - (i) Location of barriers to prevent unauthorized entry;
 - (ii) Access roads;
 - (iii) Location of area used for processing and handling of the feedstocks for the anaerobic solid waste digester;
 - (iv) Location of wash area for equipment and totes
 - (v) Location of areas designated for storage of non-permitted wastes delivered to or generated by the facility;
 - (vi) Area for scales, if any
 - (vii) Facility and property boundaries
- C. Engineering Design Plans detailing
 - (i) The facility design;
 - (ii) A schematic of the anaerobic digester that includes additional processes, including pasteurization, the generator unit, the gas processing unit, digestate processing or holding ponds;
 - (iii) The design of all operations aspects of the anaerobic solid waste digester and related components, including utility hookups;
 - (iv) The design and location of a flare to be used as a backup combustion method;
 - (v) For facilities that use a tipping floor for the management of food residuals or food processing residuals, the tipping floor shall be constructed in accordance with §6-1204(c). If the facility does not use a tipping floor, all food residuals and food processing residuals shall be stored in containers.

D. Facility Management Plan detailing

- (i) The expected volume and type of incoming feedstocks;
- (ii) Methods for achieving odor control;
- (iii) Methods for achieving noise control;
- (iv) Methods for controlling vectors, dusts and litter;
- (v) Methods for digestate management
- (vi) Methods to properly remove potential contaminants from incoming feedstocks;
- (vii) Methods for recording the tonnage of imported solid wastes (recording gallons not acceptable)
- (viii) Fire prevention and control measures, gas leak monitoring, fire contingency and control measures;
- (ix) List of equipment to be used in addition to the anaerobic solid waste digester;
- (x) Hours of operations for the acceptance of food residuals, food processing residuals and other feedstocks;
- (xi) For facilities that use a tipping floor for the management of food residuals or food processing residuals, the tipping floor shall be managed in accordance with §6-1206(a)(3). If the facility does not use a tipping floor, the facility shall be managed to prevent a discharge or emission from the containers.

4. Financial Responsibility and Capability

All anaerobic solid waste digester facilities must address financial responsibility and capability requirements as specified in §6-304(e)(10). Private facilities shall comply with the requirements of §6-901, and include documentation of financial responsibility with this application. Public, municipally owned facilities shall comply with §6-902, and include the documentation of financial capability with this application.

5. Closure Plan

In accordance with Subchapter 10, all anaerobic solid waste digester facilities shall submit a closure plan. The closure plan shall include:

- A. A description of the steps necessary to close the facility;
- B. A listing of labor, materials, and testing necessary to close the facility;
- C. A schedule of the total time to close the facility;
- D. A cost estimate for facility closure that satisfies the requirements of §6-1004;
- E. A description of the methods for compliance with the closure requirements; and
- F. Any remedial action necessary prior to closure, if required by the Secretary pursuant to §6-311.

6. Inclusion in Solid Waste Implementation Plan

In accordance with 10 V.S.A. § 6605(c), the Secretary shall not issue a certification for a new facility or renewal for an existing facility, unless it is included in an implementation plan adopted pursuant to 24 V.S.A. § 2202a, for the area in which the facility is located. Please provide the applicable section of the solid waste implementation plan which includes the facility.

7. Background Disclosure Requirements

All privately owned and operated anaerobic solid waste digester facilities shall submit personal and business disclosure forms in accordance with 10 V.S.A. § 6605f. Background disclosure forms can be found on the Solid Waste Management Programs permitting webpage: <http://dec.vermont.gov/waste-management/solid/solid-waste-facility-application-forms#AnaerobicDigestion>

8. Adjoining Property Owner Public Notice – New Facility Applications Only

Please submit a certificate of service verifying that the applicant has issued official notice (using [DEC's template letter](#)) to all adjoining property owners. The applicant can accompany the letter with additional language to explain the project if they choose. Applications submitted without the certificate of service will be administratively incomplete.

9. Leachate and Digestate Management

The applicant shall include a description of how leachate and digestate will be managed following the digestion process.

- A. Description of how the solid portions of the digestate will meet treatment standards for pathogen reduction outlined in §6-1110(d);
- B. If leachate is to be land applied under a Natural Resource Conservation Service Practice Standard 590 – Nutrient Management Plan, the applicant shall include verification that land application activities resulting from the anaerobic solid waste digester will be in compliance with that plan.

ATTACHMENTS

Please attach the following information to the application form

- a. Documentation of appropriate Liquids and Digestate Management
- b. Evidence of Financial Responsibility/Capability
- c. Closure Plan
- d. Excerpt from Solid Waste Implementation Plan that Includes the Facility
- e. Certificate of Service of public notice to adjoining property owners
- f. Personal and Business Disclosure Forms
- g. Site Plan Map - scale of 1:100 or less
- h. Topographic Map – scale of 1:24,000
- i. Copy of the facility management plan (detailed above)
- j. Copy of application provided to municipality

SIGNATURES

LANDOWNER _____ Date: _____

Note: Landowner, your signature constitutes approval to use this site for the composting facility

APPLICANT: _____ Date: _____