



Name of Applicant:	Name of Facility:
Business Address: City: State: Zip Code: Phone: Email:	Facility Address: City: State: Zip Code: Phone: Email:
Signature:	Date:

*Please reference the appropriate section of WAC 173-350 for full requirements.

Location Requirements WAC 173-350-220(3)	Location of documents in application	Complete (SCHD ONLY)
There are no specific location standards for composting facilities subject to this chapter; however composting facilities must meet the requirements provided under WAC 173-350-040		

Design Standards WAC 173-350-220(4)	Location of documents in application	Complete (SCHD ONLY)
Describe how the facility meets the regulatory requirements in the supporting documents. Indicate the location of all documents.		
Composting facilities must be designed and constructed such that: (4)(a)		
<ul style="list-style-type: none"> The facility can be operated to meet the requirements of WAC 173-350-040 The facility can be operated to promote controlled, aerobic decomposition. Must take into account porosity, nutrient balance, pile oxygen, pile moisture, pile temperature, and retention time of composting 		
Engineering reports, engineering plans, and engineering specifications prepared by a professional engineer licensed in the state of Washington that address the following: (4)(b)		
<ul style="list-style-type: none"> An engineering report that presents the design basis and calculations for the engineered features of the facility Scale drawings of the facility Design specifications for the engineered features of the facility A construction quality assurance plan 		
Public access roads designed to prevent traffic congestion, traffic hazards, dust and noise pollution (4)(c)		
A description of how the facility will manage stormwater and leachate (4)(d)		
Stormwater management features meet the requirements of (4)(e) including:		

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<ul style="list-style-type: none"> Leachate conveyed to leachate holding pond, tank or other containment/treatment structure 		
<ul style="list-style-type: none"> Stormwater and leachate collection and conveyance structures must be designed on the volume of water resulting from a twenty-five-year storm event 		
<ul style="list-style-type: none"> Leachate storage structures must be of adequate capacity to store normal maximum volume of leachate 		
<ul style="list-style-type: none"> For registered dairies, design and installation meet Natural Resources Conservation Service for a waste storage facility in the Washington Field Office Technical Guide NA 		
<ul style="list-style-type: none"> Leachate holding ponds other than registered dairies: 	NA	
Liner consists of a minimum 30-mil thickness geomembrane overlying a structurally stable foundation to support the liners and the contents of the impoundment, <u>or</u> a high density polyethylene geomembranes at least 60-mil thick to allow for proper welding, <u>or</u> an alternative design approved by the SCHED during the permitting process		
Dikes and slopes designed to maintain their structural integrity under conditions of a leaking liner and capable of withstanding erosion from wave action, overfilling, or precipitation		
Freeboard equal to or greater than eighteen inches to avoid overtopping from wave action, overfilling, or precipitation, or other engineering controls approved by SCHED during the permitting process		
Review and approval by Dam Safety Section of the department for ponds designed to impound more than ten (10) acre feet NA		
<ul style="list-style-type: none"> Tanks used to store leachate meet design standards in WAC 173-350-330(4)(b) NA 		
Compost pads for incoming feedstocks, active composting and curing meet the requirements of (4)(f) including:		
<ul style="list-style-type: none"> Pad curbed or graded in a manner to prevent ponding, run-on and runoff, and direct all leachate to collection devices. Design calculations based upon the volume of water resulting from a twenty-five-year storm event as defined in WAC 173-350-100 		
<ul style="list-style-type: none"> Pad constructed over subgrades that provide sufficient bearing capacity to support the weight of the pad, the materials placed on them, and the equipment used in handling the materials 		
<ul style="list-style-type: none"> Entire surface area of the compost pad designed to maintain its structural and hydraulic integrity against loads resulting from any machinery used for feedstock and compost handling activities, and from surface wear or damage caused by feedstock and compost handling, or by active composting at the facility 		
<ul style="list-style-type: none"> Pad constructed of materials such as concrete (with sealed joints), asphaltic concrete, or soil cement to prevent subsurface soil and ground water contamination 		
Map or diagram that shows all buildings or working sites on the property, including offices, scales, bathrooms, equipment locations, etc.		
Traffic pattern or traffic flow diagrams		
Maps of safety equipment and spill kit(s) locations		

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Equipment schematics for specialized equipment that is integral to the compost process		
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Documentation Requirements WAC 173-350-220(5)	Location of documents in application	Complete (SCHD ONLY)
<p>Within thirty days of completing construction, the owner or operator of a composting facility must provide copies of the construction record drawings for engineered features at the facility and a report documenting facility construction, including the results of observations and testing carried out as part of the construction quality assurance plan</p> <p>NA if not new construction</p>	Acknowledged	

Plan of Operations WAC 173-350-220(6)	Location of documents in application	Complete (SCHD ONLY)
<p>Describe how the facility meets the regulatory requirements in the supporting documents. Indicate the location of all documents.</p>		
<p>The owner or operator of a composting facility must create a plan of operation to address the following:</p>		
<ul style="list-style-type: none"> List of feedstocks to be composted, including a general description of the source of feedstocks 		
<ul style="list-style-type: none"> A discussion on types and amounts of feedstocks including basic calculations showing that they can achieve an acceptable mix of materials for efficient decomposition 		
<ul style="list-style-type: none"> Procedures and criteria for ensuring that only the feedstocks described will be accepted. This includes a plan for rejecting feedstocks contaminated with greater than five percent physical contaminants by volume, or a plan to accept and separate contaminated loads from noncontaminated loads, and reduce physical contaminants to an acceptable level prior to composting 		
<ul style="list-style-type: none"> Procedures for handling unacceptable wastes 		
<ul style="list-style-type: none"> A description of how wastes and organic materials including incoming feedstocks, composting, curing, and composted materials are to be handled on-site during the facility's active life 		
<ul style="list-style-type: none"> Compost process monitoring plan, including compost mix (carbon to nitrogen ratio), temperature, moisture, and porosity 		
<ul style="list-style-type: none"> Pathogen reduction plan 		
<ul style="list-style-type: none"> Representative sampling and analysis plan for the composted material 		
<ul style="list-style-type: none"> Maximum site capacity for all materials on site. Processing capacity in tons or cubic yards of solid waste feedstocks processed in a given amount of time. SCHD may require monthly or annual processing capacity 		
<ul style="list-style-type: none"> A description of all equipment and purpose 		
<ul style="list-style-type: none"> A description of training for the operator and employees 		
<ul style="list-style-type: none"> Control air contaminants such as dust and nuisance odors to prevent other contaminants from migrating beyond property boundaries. 		

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<ul style="list-style-type: none"> • A description of how staff will document and respond to nuisance odor complaints 		
<ul style="list-style-type: none"> • A description of facility and operational features to prevent nuisance odors beyond the facility's property boundary, as determined by SCHD, Ecology, or the air authority 		
<ul style="list-style-type: none"> • A description of facility maintenance activities that encompass nuisance odor prevention and control 		
<ul style="list-style-type: none"> • A description of how feedstocks with high moisture or the potential for high odors will be managed to reduce nuisance odors upon receipt, and through the composting process. 		
<ul style="list-style-type: none"> • A description of how the facility will prevent the attraction of vectors 		
<ul style="list-style-type: none"> • Procedure to reduce physical contaminants in composted material to meet testing parameters in Table 220-B 		
<ul style="list-style-type: none"> • Provide product labeling per WAC 173-350-220(6)(f)(iii)(D) 		
<ul style="list-style-type: none"> • Leachate management plan 		
<ul style="list-style-type: none"> • Stormwater management plan 		
<p>Inspect the facility to prevent malfunctions and deterioration, operator errors and discharges that may cause or lead to the release of waste to the environment or a threat to human health. Inspections must be conducted at least weekly, unless an alternate schedule is approved by SCHD as part of the permitting process (6)(b)</p>		
<p>For compost facilities with leachate holding ponds, conduct regular liner inspections at least once every five years, unless an alternate schedule is approved by SCHD as part of the permitting process. The frequency of inspections must be specified in the operations plan and must be based on the type of liner, expected service life of the material, and the site-specific service conditions: (6)(c)</p>		
<ul style="list-style-type: none"> • Inspect the liner for degradation and ruptures of the liner material and for failure of any seams or joints in the liner material. If the maximum wetted extent of the liner geomembrane cannot be directly inspected visually, then the liner must be tested for leaks by electrical leak detection survey methods. If leaks, degradation, or ruptures of the liner material are detected, the liner must be repaired; and 		
<ul style="list-style-type: none"> • SCHD must be given sufficient notice and have the opportunity to be present during liner inspections. An inspection record must be kept at the facility or other convenient location if permanent office facilities are not on-site, for at least five years from the date of inspection. Inspection records must be available to SCHD upon request. 	Acknowledged	
<p>Maintain operating records and provide templates for the following: (6)(d)</p>		
<ul style="list-style-type: none"> • Daily temperatures representative of compost piles; 		
<ul style="list-style-type: none"> • Additional process monitoring data as prescribed in the plan of operation; 		

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<ul style="list-style-type: none"> Results of analyses for composted materials as required in (a)(x) of this subsection and Table 220-B; and 		
<ul style="list-style-type: none"> Facility inspection reports must be maintained in the operating record. Significant deviations from the plan of operation must be noted in the operating record 		
Prepare and submit an annual report to SCHD and Ecology (6)(e)	Acknowledged	
Safety, fire, and emergency plans (6)(f)(vii)		
WAC 173-350-220(6) has additional requirements that may be applicable to your facility. Please consult the WAC and apply as necessary.		
Other details to demonstrate that the facility will be operated in accordance with this subsection and as required by SCHD (6)(f)(ix) NA		

Ground Water Monitoring Requirements WAC 173-350-220(7)	Location of documents in application	Complete (SCHD ONLY)
There are no specific ground water monitoring requirements for composting facilities subject to this chapter; however, composting facilities must meet the requirements provided under WAC 173-350-040		

Closure Plan WAC 173-350-310(8)	Location of documents in application	Complete (SCHD ONLY)
Describe how the facility meets the regulatory requirements in the supporting documents. Indicate the location of all documents.		
Methods of removing solid waste, leachate, and other organic materials from the facility		

Financial Assurance Requirements WAC 173-350-220(9)	Location of documents in application	Complete (SCHD ONLY)
There are no specific financial assurance requirements for composting facilities subject to this chapter; however, composting facilities must meet the requirements provided under WAC 173-350-040		

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