



LAND APPLICATION
 Checklist for Review of Solid Waste Permit Application
 per WAC 173-350-230

Name of Applicant:	Name of Facility:			
Permit # assigned by Health Department:	Date Received:			
Lead Agency Reviewer Name: Phone: Signature:	Determination of Compliance with: The Site or Facility: <input type="checkbox"/> meets all solid waste, air and other applicable laws and regulations <input type="checkbox"/> conforms with the approved comprehensive solid waste handling plan <input type="checkbox"/> complies with zoning requirements (JHD only)			
<input type="checkbox"/> Location requirements <i>WAC 173-350-230(2)</i>				
	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
There are no specific location standards for land application sites subject to this chapter; however land application sites must meet the requirements provided under WAC 173-350-040(5).		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				
<input type="checkbox"/> Design Standards <i>WAC 173-350-230(3)</i>				
	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
There are no specific design standards for land application sites subject to this chapter; however land application sites must meet the requirements provided under WAC 173-350-040(5).		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				
<input type="checkbox"/> Plan of operations <i>WAC 173-350-230(4)(d)</i>				
	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
A description of the types of solid wastes to be handled at the site (4)(d)(i)				

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A description of the types of solid wastes to be handled on-site during the life of the site including (4)(d)(ii)		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> How wastes will be delivered to the site and meet any local agency notification requirements 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> A description of the process, system and equipment that will be used to apply the waste to the land that explains: <ul style="list-style-type: none"> How the equipment and system will be calibrated to deliver waste at the agronomic rate; Whether the waste will be allowed to remain on the surface of the land, will be tilled into the soil, or will be injected into the soil at the time of application; When the waste will be applied to the land relative to crop and livestock management practices; and Any proposed restrictions on application related to climatic factors including typical precipitation, twenty-five-year storm events as defined in WAC 173-350-100, temperature, and wind, or site conditions including frozen soils and seasonal high ground water. 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> A description of how the waste will be managed at all points during storage and application to control attraction to disease vectors and to mitigate odor impacts 		<input type="checkbox"/>	<input type="checkbox"/>	
A spill response plan including the names and phone numbers of all contacts to be notified in the event of a spill and how the spill will be cleaned up (4)(d)(iii)		<input type="checkbox"/>	<input type="checkbox"/>	
If the seasonal high ground water is three feet or less below the surface, a management plan describing how ground water will be protected (4)(d)(iv) NA <input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
A waste monitoring plan providing analytical results representative of the waste being applied to the land, over time, taking into account the rate of production of the waste, timing of delivery, and storage (4)(d)(v)		<input type="checkbox"/>	<input type="checkbox"/>	
Forms used to record volumes, weights and waste application data (4)(d)(vi)		<input type="checkbox"/>	<input type="checkbox"/>	
Other such details to demonstrate that the facility will be operated in accordance with subsection 4 and as required by the JHD (4)(d)(vii)		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				

<input type="checkbox"/> Ground Water Monitoring Requirements <i>WAC 173-350-230(5)</i>	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
There are no specific ground water monitoring requirements for land application sites to this chapter; however, land application sites must meet the requirements provided under WAC 173-350-040(5)		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				
<input type="checkbox"/> Closure requirements <i>WAC 173-350-230(6)</i>	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
Apply all remaining materials in accordance with the permit		<input type="checkbox"/>	<input type="checkbox"/>	
Or removed to a facility that meets chapter 70.95 RCW to manage that type of waste		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				
<input type="checkbox"/> Financial Assurance Requirements <i>WAC 173-350-230(7)</i>	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
There are no specific financial assurance requirements for land application sites subject to this chapter; however, land application sites must meet the requirements provided under WAC 173-350-040(5)		<input type="checkbox"/>	<input type="checkbox"/>	
Agency Comments:				
<input type="checkbox"/> Permit Application Contents <i>WAC 173-350-230(8)</i>	Location of material	Complete	Meets Requirements	Date & Initials of Reviewer)
Contact information, including name, contact person, mailing address, phone, fax, e-mail for (8)(a)(i):				
<ul style="list-style-type: none"> Any person who generates waste that will be applied to the site; 		<input type="checkbox"/>	<input type="checkbox"/>	
<ul style="list-style-type: none"> The person who is applying for a permit (the permit holder); 		<input type="checkbox"/>	<input type="checkbox"/>	

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• The person who prepares the permit application; and		<input type="checkbox"/>	<input type="checkbox"/>	
• The person who owns the site where the waste will be applied.		<input type="checkbox"/>	<input type="checkbox"/>	
Statement of intended use. The permit application shall contain a clear explanation of the benefit to be obtained from land application of the material. Avoidance of disposal is not adequate justification for land application of solid waste (8)(a)(ii)		<input type="checkbox"/>	<input type="checkbox"/>	
An analysis of the waste which includes (8)(a)(iii):		<input type="checkbox"/>	<input type="checkbox"/>	
• A description of the material to be applied to the land;		<input type="checkbox"/>	<input type="checkbox"/>	
• A description of the processes by which the material is generated and treated including all processed feedstocks;		<input type="checkbox"/>	<input type="checkbox"/>	
• Any pseudonyms or trade names for the material;		<input type="checkbox"/>	<input type="checkbox"/>	
• A discussion of the potential for the material to generate odors or to attract disease vectors, including any complaints regarding odors associated with this material;		<input type="checkbox"/>	<input type="checkbox"/>	
• An analysis of pollutant concentrations of the following:		<input type="checkbox"/>	<input type="checkbox"/>	
Total arsenic		<input type="checkbox"/>	<input type="checkbox"/>	
Total barium		<input type="checkbox"/>	<input type="checkbox"/>	
Total cadmium		<input type="checkbox"/>	<input type="checkbox"/>	
Total chromium		<input type="checkbox"/>	<input type="checkbox"/>	
Total copper		<input type="checkbox"/>	<input type="checkbox"/>	
Total lead		<input type="checkbox"/>	<input type="checkbox"/>	
Total mercury		<input type="checkbox"/>	<input type="checkbox"/>	
Total molybdenum		<input type="checkbox"/>	<input type="checkbox"/>	
Total nickel		<input type="checkbox"/>	<input type="checkbox"/>	
Total selenium		<input type="checkbox"/>	<input type="checkbox"/>	
Total copper		<input type="checkbox"/>	<input type="checkbox"/>	
Total zinc		<input type="checkbox"/>	<input type="checkbox"/>	
• An analysis of nutrients at a minimum to include total Kjeldahl nitrogen, total nitrate-nitrogen, total ammonia- and ammonium-nitrogen, total phosphorus, and extractable potassium;				
• An analysis of physical/chemical parameters to include at a minimum: Total solids, total volatile solids, pH, electrical conductivity, total organic carbon;				
• A discussion of any pathogens known or suspected to be associated with this material, including those which can cause disease in plants, animals, or humans;				

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<ul style="list-style-type: none"> The concentration of fecal coliform bacteria expressed as CFU or MPN per gram of dry solid material; and 				
<ul style="list-style-type: none"> Any additional analysis required by the jurisdictional health department. The jurisdictional health department may reduce the analytical requirements of this section. Methods of analysis are to be determined by the jurisdictional health department. 				
A comprehensive site characterization including (8)(a)(iv):				
A description of current practices and a brief description of past practices on the application site, including application of wastes, soil amendments, manures, biosolids, liming agents, and other fertilization practices, livestock usage, irrigation practices, and crop history. Also indicate whether any management plan has been prepared for the site such as a farm, forest, or nutrient management plan. Discuss any potential changes to management practices at the site;				
<ul style="list-style-type: none"> A description of the climate at the application site including typical precipitation, precipitation of a twenty-five-year storm, as defined in WAC 173-350-100, temperatures, and seasonal variations; 				
<ul style="list-style-type: none"> A brief discussion of the potential for surface water to flow onto, or off the site, and typical depths to seasonal high ground water; 				
<ul style="list-style-type: none"> An analysis of soil nutrients including residual nitrate in the upper two feet of soil in one foot increments; 				
<ul style="list-style-type: none"> A site map showing property boundaries and ownership of adjacent properties with the application areas clearly shown, and with the latitude and longitude of the approximate center of each land application site; 				
<ul style="list-style-type: none"> A topographic relief map of the site extending one quarter beyond the site boundaries at a scale of 1:24,000 or other scale if specified by the jurisdictional health department; 				
<ul style="list-style-type: none"> Show the following information on either of the maps provided or on additional maps if needed: 				
Location of the site by street address, if applicable;				
The zoning classification of the site;				
The means of access to the site;				
The size of the site in acres, and if applicable, the size of individual fields, units, and application areas;				
The location and size of any areas which will be used to store the waste;				

Adjacent properties, uses, and their zoning classifications;				
Delineation of wetlands on the site;				
Any portion of the site that falls within a wellhead protection area;				
Any seasonal surface water bodies located on the site or perennial surface water bodies within one-quarter mile of the site;				
The location of all wells within one-quarter mile of the boundary of the application area which are listed in public records or otherwise known, whether for domestic, irrigation, or other purposes;				
Any setback or buffer to surface water, property boundaries, or other feature, if proposed				
The location of any critical areas or habitat identified under the Endangered Species Act, local growth management plans, habitat conservation plans, conservation reserve program, or local shoreline master program;				
A copy of the natural resource conservation service soil survey map from the most recent edition of the soil survey that includes the distribution of soil types with an overlay of the site boundaries; and				
A description of the soil type(s), textural classes, and soil depths present on the site as determined by the most recent edition of the natural resource conservation service soil survey or from actual field measurements.				
A plan of operation meeting the requirements of section 173-350-230(4)(d)				
Agency Comments:				