

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

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

<input type="checkbox"/> Location Requirements WAC 173-350-330(3) Describe how the facility meets the regulatory requirements in the supporting documents. Indicate the location of all documents.	Location of documents in application	Complete (SHD ONLY)
Surface impoundments and tanks shall not be located in unstable areas unless the owner or operator demonstrates that engineering measures have been incorporated in the facility's design to ensure that the integrity of the liners, monitoring system, and structural components will not be disrupted (3)(a)		<input type="checkbox"/>
No surface impoundment or tank may be located closer than one hundred feet to an existing drinking water supply well (3)(b)		<input type="checkbox"/>

<input type="checkbox"/> Design Standards WAC 173-350-330(4) Describe how the facility meets the regulatory requirements in the supporting documents. Indicate the location of all documents.	Location of documents in application	Complete (SHD ONLY)
Surface Impoundments: (4)(a)	NA <input type="checkbox"/>	
<ul style="list-style-type: none"> Liner consists of a minimum 30-mil thickness geomembrane overlying a structurally stable foundation to support the liners and the contents of the impoundment. HDPE geomembranes used as primary liners or leak detection liners shall be at least 60-mil thick to allow for proper welding (4)(a)(i) 		<input type="checkbox"/>
<ul style="list-style-type: none"> Ground water monitoring system complies with the requirements of WAC 173-350-500 or a leak detection layer. If a leak detection layer is used, it shall consist of an appropriate drainage layer underlain by a geomembrane of at least 30-mil thickness (4)(a)(ii) 		<input type="checkbox"/>
<ul style="list-style-type: none"> Embankments and slopes designed to maintain structural integrity under conditions of a leaking liner and capable of withstanding erosion from wave action, overfilling, or precipitation (4)(a)(iii) 		<input type="checkbox"/>
<ul style="list-style-type: none"> Freeboard equal to or greater than eighteen inches to provide protection against wave action, overfilling, or precipitation. Or the SHD has reduced the freeboard requirement provided that other specified engineering controls are in place which prevent overtopping (4)(a)(iv) 		<input type="checkbox"/>
<ul style="list-style-type: none"> Identify a leakage rate for the primary containment system that will trigger corrective action (4)(a)(v) 		
<ul style="list-style-type: none"> If constructed with a single geomembrane liner, the liner shall be tested using an electrical leak location evaluation capable of detecting a hole 3 millimeters in its longest dimension or other equivalent postconstruction test method prior to being placed in service (Part of construction record drawings.) (4)(a)(vi) 		<input type="checkbox"/>
NA <input type="checkbox"/> if single geomembrane liner is not used		

<ul style="list-style-type: none"> No surface impoundment liner shall be constructed such that the bottom of the lowest component is less than five (5) feet (one and one half meters) above the seasonal high level of ground water (4)(a)(vii) 		<input type="checkbox"/>
Tanks (4)(b):	NA <input type="checkbox"/>	
<ul style="list-style-type: none"> Evidence that tanks and ancillary equipment are tested for tightness using a method acceptable to the SHD prior to being covered, enclosed or placed in use. If a tank is found not to be tight, all repairs necessary to remedy the leak(s) in the system shall be performed and verified to the satisfaction of the SHD prior to the tank being covered or placed in use (4)(b)(i) 		<input type="checkbox"/>
<ul style="list-style-type: none"> Below ground tanks and other tanks where all or portions of the tank are not readily visible shall be: (A) designed to resist buoyant forces in areas of high groundwater; (B) Equipped with a leak detection system capable of detecting a release from the tank; and (C) have a leakage rate identified for the primary containment system (4)(b)(ii) 		<input type="checkbox"/>
<ul style="list-style-type: none"> Evidence for tanks or components in which the external shell of a metal tank or any metal component will be in contact with the soil or water, that a determination was made by a corrosion expert of the type and degree of external corrosion protection that is needed to ensure the integrity of the tank during its operating life (4)(b)(iii) 		<input type="checkbox"/>
<ul style="list-style-type: none"> Above ground tanks equipped with secondary containment constructed of, or lined with, materials compatible with the waste being stored and capable of containing the volume of the largest tank within its boundary plus the precipitation from the twenty-five-year storm event as defined in WAC 173-350-100 (4)(b)(iv) 		<input type="checkbox"/>
<ul style="list-style-type: none"> Areas used to load or unload tanks shall be designed to contain spills, drippage and accidental releases during loading and unloading of vessels (4)(b)(v) 		<input type="checkbox"/>
<ul style="list-style-type: none"> Tanks and piping shall be protected from impact by vehicles or equipment through use of curbing, grade separation, bollards or other appropriate means (4)(b)(vi) 		<input type="checkbox"/>
<ul style="list-style-type: none"> Tanks shall be structurally suited for the proposed use (4)(b)(vii) 		<input type="checkbox"/>
<ul style="list-style-type: none"> Tanks, valves, fittings and ancillary piping shall be protected from failure caused by freezing (4)(b)(viii) 		<input type="checkbox"/>
All facilities which include surface impoundments or tanks must provide controls to limit public access and prevent unauthorized vehicular traffic and illegal dumping of wastes (4)(c)		<input type="checkbox"/>

<input type="checkbox"/> Documentation Requirements WAC 173-350-330(5)	Location of documents in application	Complete (SHD ONLY)
Describe how the facility meets the regulatory requirements in the supporting documents. Indicate the location of all documents.		
Changes in plan of operations must be approved by SHD. Construction documents must be prepared by a professional engineer licensed in the state of Washington and must include: (5)(a)		<input type="checkbox"/>
<ul style="list-style-type: none"> An engineering report that presents the design basis and calculations for the engineered features of the facility 		<input type="checkbox"/>
<ul style="list-style-type: none"> Scale drawings of the facility 		<input type="checkbox"/>
<ul style="list-style-type: none"> Design specification for the engineered features of the facility 		<input type="checkbox"/>
<ul style="list-style-type: none"> A construction quality assurance plan 		<input type="checkbox"/>
Structural changes to the facility need to be approved by SHD. Construction documents need to be provided to SHD upon completion (5)(b) NA <input type="checkbox"/>	Acknowledged <input type="checkbox"/>	

<input type="checkbox"/> Operating Standards WAC 173-350-330(6) Describe how the facility meets the regulatory requirements in the supporting documents. Indicate the location of all documents.	Location of documents in application	Complete (SHD ONLY)
Describe the types of solid wastes to be handled at the facility (6)(a)(i)		<input type="checkbox"/>
Describe the procedures used to ensure that dangerous waste and other unacceptable waste are not accepted at the facility (6)(a)(ii)		<input type="checkbox"/>
Describe how wastes are handled on-site during the facility's active life, including: (6)(a)(iii)		<input type="checkbox"/>
<ul style="list-style-type: none"> The equipment and procedures that will be used to prevent overfilling of surface impoundments or tanks 		<input type="checkbox"/>
<ul style="list-style-type: none"> The equipment and procedures that will be used to maintain a minimum of eighteen inches of freeboard 		<input type="checkbox"/>
<ul style="list-style-type: none"> The equipment and procedures that will be used to control access to the site 		<input type="checkbox"/>
A description of how the owner or operator will ensure that facility will control: (6)(a)(iv)		
<ul style="list-style-type: none"> Litter, dust, and nuisance odors 		<input type="checkbox"/>
<ul style="list-style-type: none"> Rodents, insects, and other vectors 		<input type="checkbox"/>
Describe how equipment, structures and other systems are to be inspected and maintained, including the frequency of inspection and inspection logs, including: (6)(a)(v)		<input type="checkbox"/>
<ul style="list-style-type: none"> The ground water monitoring system NA <input type="checkbox"/> 		<input type="checkbox"/>
<ul style="list-style-type: none"> The overfilling prevention equipment, including details of filling and emptying techniques 		<input type="checkbox"/>
<ul style="list-style-type: none"> The liners and embankments, tank piping and secondary containment 		<input type="checkbox"/>
<ul style="list-style-type: none"> Procedures for cleaning containment structures, including the removal of sediment, vegetation, and debris 		<input type="checkbox"/>
<ul style="list-style-type: none"> Procedures for testing surface impoundment liners, tanks and piping for leaks 		<input type="checkbox"/>
Forms used to record volumes or weights and types of waste received and removed from the facility (6)(a)(vi)		<input type="checkbox"/>
Safety and emergency plans (6)(a)(vii)		<input type="checkbox"/>
Other such details to demonstrate that the facility will be operated in accordance with Subsection 4 and as required by the SHD (6)(a)(xi)		<input type="checkbox"/>

<input type="checkbox"/> Ground Water Monitoring Requirements WAC 173-350-330(7) Describe how the facility meets the regulatory requirements in the supporting documents. Indicate the location of all documents.	Location of documents in application	Complete (SHD ONLY)

Surface impoundments not equipped with a leak detection layer are subject to the ground water monitoring requirements of WAC 173-350-500 NA <input type="checkbox"/>		<input type="checkbox"/>
Surface impoundments equipped with a leak detection layer and tanks are not subject to the ground water monitoring requirements of this chapter, however, surface impoundments must meet the requirements provided under WAC 173-350-040 NA <input type="checkbox"/>		<input type="checkbox"/>

<input type="checkbox"/> Closure Plan WAC 173-350-330(8)(b) Describe how the facility meets the regulatory requirements in the supporting documents. Indicate the location of all documents.	Location of documents in application	Complete (SHD ONLY)
Methods of removing wastes		<input type="checkbox"/>

<input type="checkbox"/> Financial Assurance Requirements WAC 173-350-330(9)	Location of documents in application	Complete (SHD ONLY)
There are no specific financial assurance requirements for surface impoundments or tanks subject to this chapter; however, surface impoundments or tanks must meet the requirements provided under WAC 173-350-040(5)		<input type="checkbox"/>

SurfaceImpoundments&TanksApplication_EH_05_2019_Imp