



Revised 2/17/2006

COMMUNITY and ALTERNATE SOIL ABSORPTION SYSTEM CHECKLIST

(General Checklist must also be completed.)

PROJECT NAME:

Check each item that is included with your submittal. If an item is not included, check “not included” and provide and explanation why the item does not apply to this project or describe special circumstances why the information is not included.

INCLUDED	NOT INCLUDED	SUBMITTAL ITEM
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<p>1. Design criteria for:</p> <p>Estimated daily flow to system and basis used for estimation.</p> <p>All sources of wastewater are shown on the plan.</p> <p>Waste loads and waste strength, and the basis used for estimating loads.</p> <p>18 AAC. 72.220, 18 AAC 72.260(a)(2)(A)</p> <p><u>Explanation if not included:</u></p>
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<p>2. A site plan that shows the design, location and configuration of the wastewater treatment and disposal systems.</p> <p>Location for both an initial and replacement infiltrative area</p> <p>Statement that all required vertical and horizontal separation distances have been met.</p> <p>18 AAC 72.260 (a)(2)(B)and (a)(4)</p> <p><u>Explanation if not included:</u></p>

INCLUDED	NOT INCLUDED	SUBMITTAL ITEM
<input type="checkbox"/>	<input type="checkbox"/>	<p>3. Describe the siting of the infiltrative area with respect to:</p> <p><input type="checkbox"/> Potential for health hazards (such as slopes, cut banks, et cetera).</p> <p><input type="checkbox"/> Nuisances, such as odor.</p> <p><input type="checkbox"/> Groundwater and potential impacts. 18 AAC 72.260 (a)(2)(C)</p> <p><u>Explanation if not included:</u></p>
<input type="checkbox"/>	<input type="checkbox"/>	<p>4. Information and/or calculations regarding the septic tank size and tank design, including access openings and security. 18 AAC 72.035(a)(4)(D) (NOTE: The design and construction of the septic tank must comply with Appendix K of 1997 Uniform Plumbing code.)</p> <p><input type="checkbox"/> Information on how septic tank will be pumped, particularly if at a remote site.</p> <p><u>Explanation if not included:</u></p>

INCLUDED	NOT INCLUDED	SUBMITTAL ITEM
<input type="checkbox"/>	<input type="checkbox"/>	<p>7. A copy of the engineered soils report identifies:</p> <p><input type="checkbox"/> Soil types encountered, and thickness of layers.</p> <p><input type="checkbox"/> Percolation rates of receiving soils.(NOTE- if percolations rate is faster than 1 minute/inch, a 2' thick sand liner is required)</p> <p><input type="checkbox"/> Depth to groundwater</p> <p><input type="checkbox"/> Depth to impermeable layer(s)</p> <p><input type="checkbox"/> Number, location and total depth of test hole(s).</p> <p><input type="checkbox"/> Presence or absence of permafrost and its potential effect on system performance</p> <p><input type="checkbox"/> Site suitability for this project. 18 AAC 72.265 (see Appendix A-Soils Analysis and Report)</p> <p><u>Explanantion if not included:</u></p>
<input type="checkbox"/>	<input type="checkbox"/>	<p>8. General topography and the separation distance to slopes greater than 25% are shown on the site plan.</p> <p>8 AAC 72.260(a)(4)(C)</p> <p><u>Explanation if not included:</u></p>

INCLUDED	NOT INCLUDED	SUBMITTAL ITEM
<input type="checkbox"/>	<input type="checkbox"/>	<p>9. Calculations show infiltrative area conforms to 18 AAC 72.260 Table C:</p> <p>Check the type of distribution system that applies:</p> <p><input type="checkbox"/> Traditional perforated pipe and drainrock</p> <p><input type="checkbox"/> Chamber type systems (e.g., infiltrators) must be sized based on the bottom area only.</p> <p><input type="checkbox"/> Gravelless pipe system, must be sized based on the area in contact with the soils (engineering computations must be included)</p> <p><input type="checkbox"/> Other</p> <p><u>Explanation if not included:</u></p>
<input type="checkbox"/>	<input type="checkbox"/>	<p>10. If design flow exceeds 2500 gallons per day, a nitrate calculations estimating the effect of this discharge on the ground water at a determined point such as the nearest down gradient property line, or a point not to exceed. 500 feet from the edge of the infiltrative area, whichever is least.</p> <p><input type="checkbox"/> All criteria or assumptions used in nitrate analysis, such as waste strength, precipitation amount, depth of aquifer used for mixing, ground water table gradient and other assumptions.</p> <p><u>Explanation if not included:</u></p>

INCLUDED	NOT INCLUDED	SUBMITTAL ITEM
		<p>11. Show that construction of soil infiltrative area will conform to the following standard construction practices:</p> <p><input type="checkbox"/> <input type="checkbox"/> On a bed system, the manifold is level and constructed of solid pipe.</p> <p><input type="checkbox"/> <input type="checkbox"/> On a bed system, distribution lines are level and are spaced at maximum 6 foot centers with no more than 3 feet between the outer distribution lines and the side of the infiltrative area. Distribution lines are bedded in rock to prevent crushing.</p> <p><input type="checkbox"/> <input type="checkbox"/> For shallow trench and deep trench systems, the distribution line should be laid in the center of the trench; distribution line bedded in rock to prevent crushing.</p> <p><input type="checkbox"/> <input type="checkbox"/> Sewer rock sized between ¾ inch and 1 ½ inches used in a bed system or shallow trench. Sewer rock sized between ¾ inch and 3 inch used in a deep trench system.</p> <p><input type="checkbox"/> <input type="checkbox"/> Suitable filter fabric is placed above the sewer rock.</p> <p><input type="checkbox"/> <input type="checkbox"/> For a bed system, at least two monitoring tubes are installed in opposite corners of the infiltrative area. For shallow trench and deep trench, one monitoring tube is required at the end of each trench.</p> <p><input type="checkbox"/> <input type="checkbox"/> The maximum length of absorption system is 100 feet.</p> <p><input type="checkbox"/> <input type="checkbox"/> When using two or more trench systems, the trenches should be separated by twice the effective depth of the deepest trench.</p> <p><input type="checkbox"/> <input type="checkbox"/> If receiving soil percolates faster than 1 minute per inch, a 2 foot thick sand filter is required. Sand filter is noted on the design drawing. (a sand liner cannot be used with a deep trench system)</p> <p>18 AAC 72.070(1)</p> <p><u>Explanation if not included:</u></p>

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[]	[]	<p>12. Cross section details that show depth of cover and insulation installed over septic tank and infiltrative area. If insulation used, identify type (Should be Dow Chemical Styrofoam HI Blue Board or equivalent)</p> <p><u>Explanation if not included:</u></p>
[]		<p>13. If this system serves more than 20 people or a triplex or more multifamily dwelling, complete the Class V Injection Well Inventory Form for the EPA underground Injection Control Program. Contact EPA Region 10, 206-553-6903. The Inventory Form is available at www.epa.gov/safewater/uic/pdfs/7520-16.pdf</p> <p><u>Explanation if not included:</u></p>

I submit the above information/items concerning this project. By my signature I certify that the above information is correct.

SIGNATURE of submitter

DATE