

*Regulation O-14: Site and Soil Evaluation Completeness Checklist*

O-14 Section	Written Report to Include			
7.2	PRELIMINARY INVESTIGATION	YES	NO	N/A
<b>7.2 A</b>	Property Information:			
	Address	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Legal Description	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Existing Structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Location of Existing or Proposed Wells	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.2 B</b>	Tri-County Health Department Records	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.2 C</b>	Published Site Information			
	Topography	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Natural Resources Conservation Service (NRCS) Soil Data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.2 G</b>	Location of physical features, on and off property that will require setbacks, per Table 5, in Appendix A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.2 E</b>	Preliminary soil treatment area (STA) size	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.2 G</b>	Additional information, as available			
	Survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Easements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Floodplain Maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Geology and basin maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Aerial photographs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Climate information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Delineated wetland maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.3</b>	<b>RECONNAISSANCE (SITE) VISIT TO EVALUATE</b>			
	Landscape position	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Topography	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Natural and cultural features	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Current and historic land use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.4</b>	<b>DETAILED SOIL INVESTIGATION, TO INCLUDE ONE OF THE FOLLOWING (check one)</b>			
	1. Visual and tactile evaluation of two or more soil profile test pit excavations	<input type="checkbox"/>		
	2. Percolation tests plus one or more soil profile test pit excavations	<input type="checkbox"/>		
	3. Percolation tests plus one or more soil profile holes (allowed until 07/01/16 only)	<input type="checkbox"/>		

	<b>IF CHECKED #1 – EVALUATE TWO OR MORE SOIL PROFILE TEST PITS TO DETERMINE</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
	Soil types	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Soil structure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Restrictive layer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Evidence of seasonal high groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Best depth of STA infiltrative area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	One soil profile test pit excavation at portion of STA with most limiting conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.6</b>	<b>Visual and Tactile Evaluation of Soil Requirements</b>			
<b>7.6 A</b>	Evaluate soils under adequate light conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.6 B</b>	Location at or immediately adjacent to STA, but preferably not under the bed or trench	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.6 C</b>	Method must allow observation of different soil horizons that constitute the soil profile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.6 E</b>	<b>Minimum depth of soil profile test pit (check one)</b>			
	To periodically saturated layer	<input type="checkbox"/>		
	To bedrock	<input type="checkbox"/>		
	Four feet below proposed depth of STA infiltrative surface, whichever is greater	<input type="checkbox"/>		
<b>7.6 F</b>	LTAR determined based on soil type at infiltrative surface, or more restrictive type within treatment depth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.6 G</b>	Previous soil data, verified by evaluation of soils profile test pit excavation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<b>IF CHECKED #2 – EVALUATE ONE OR MORE SOIL PROFILE TEST PITS TO DETERMINE</b>			
	Requirements in #1, plus			
<b>7.6 D</b>	<b>Utilize soil test pit(s) to</b>			
	Determine whether soils are suitable to warrant percolation tests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If soil is suitable to determine depths of percolation tests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.5</b>	Conduct percolation test in accordance with Section 7.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<b>IF CHECKED #3 – (APPLICABLE UNTIL 07/01/16 ONLY)</b>			
<b>7.5</b>	Conduct percolation test in accordance with Section 7.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.4 B</b>	Soil profile hole, to minimum of 8 feet below ground surface, to determine if groundwater or bedrock are present	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.7</b>	<b>Soil Description for Determination of a Limiting Condition</b>			
<b>7.7 A</b>	Depth of each soil horizon from ground surface and description of the soil texture, structure and consistency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.7 B</b>	Depth to bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.7 C</b>	<b>Depth to periodically saturated soils as determined by (check one)</b>			
	Redoximorphic features and other indicators of water levels	<input type="checkbox"/>		
	Depth of standing water	<input type="checkbox"/>		
<b>7.7 D</b>	Any other soil characteristics that need to be described to design a system, such as conditions that will restrict	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7.8</b>	Flag or mark percolation holes, profile holes, profile test pit excavations	<input type="checkbox"/>		

Aurora  
15400 E. 14<sup>th</sup> Place  
Suite 309  
Aurora, CO 80011  
303-341-9370

Castle Rock  
4400 Castleton Court  
Castle Rock, CO 80109  
303-663-7650

Commerce City  
4201 E. 72<sup>nd</sup> Avenue  
Commerce City, CO 80022  
303-288-6816

Greenwood Village  
6162 S. Willow Drive, Suite 100  
Greenwood Village, CO 80111  
720-200-1670