

Environmental Protection Agency, Region VIII  
 1595 Wynkoop Street (8P-W-DW)  
 Denver, Colorado 80202-2466

2014 Assessment of Ground Water Under The Direct Influence of Surface Water (GWUDISW)  
**(ONLY the first page is to be completed by surveyor)**

**Public Water System Name:** **PWS#**  
**Well/Spring/Infiltration Gallery Name:** **County:**  
**State Engineer's Office Ground Water Permit #:**  
**Department of Environmental Quality Construction Permit #:**  
**Date of Assessment:** **Analyst:**

	<u>Index Points</u>	<u>Score</u>
<b>A. TYPE OF SUBSURFACE WATER SOURCE (Circle One)</b>		
Spring	10	
Infiltration Gallery more than 2 ft deep	10	
Infiltration Gallery at or < 2 ft deep	25	
<b>B. HYDROGEOLOGICAL FEATURES (Circle)</b>		
Surface runoff drains toward well, spring, or infiltration gallery	15	
<b>C. STRUCTURAL FEATURES (Circle)</b>		
<b><u>WELLS</u> (includes wells collecting water from infiltration galleries)</b>		
Uncased or Unsealed (lacking annular seal) Well	40	
Lack of watertight sanitary seal on well casing cap, (including lack of watertight bolt-holes, watertight pump support openings, watertight electrical cable openings, etc.)	15	
Well height not properly terminated (well, including the pitless adapter units, does not terminate a minimum of 18 inches above the final ground level, 12 inches above the pump house floor or 3 feet above the highest known flood elevation, whichever is higher – measurements should be taken from the pump house floor, not the bottom of a pit which may be located within the pump house)	15	
<b><u>SPRING COLLECTION BOX</u></b>		
<b>(includes collection vaults collecting water from infiltration galleries)</b>		
Deep-rooted vegetation (e.g. trees, shrubs) around springbox, providing conduit for surface water into spring water	15	
Springbox is not watertight, with watertight overlapping lid or cover	15	
Overflows or drains open to atmosphere or allow entrance of animals (unscreened)	15	
Marshy (standing water) around spring collection area	30	

GWUDISW ASSESSMENT, CONTINUED (PG. 2)  
**(Second page to be completed by EPA Region VIII)**

PWS ID# \_\_\_\_\_

DATE \_\_\_\_\_

	<u>Index Points</u>	<u>Score</u>
<b>A. TYPE OF SUBSURFACE WATER SOURCE (Circle One)</b>		
Well, with depth to first screen or perforation, equal to or greater than 50 ft. deep	0	
Well, with depth to first screen or perforation for groundwater entry less than 50 ft. deep	5	
<b>B. HISTORICAL MICROBIOLOGICAL CONTAMINATION (Circle)</b>		
History or suspected outbreak of Giardia or other pathogenic organisms associated with surface water with current system configuration	50	
Record of total coliform (TC+) acute MCL violations over last 3 years (These violations will be reported as “MCL (TCR), ACUTE”)	30	
Ground water Rule triggered Source sample(s) over the last 3 years. TC+ in source water:		
1 TC+	20	
2 TC+	25	
3 TC+	30	
E. Coli+ in source water	40	
Regulatory agency verifies complaints about turbidity or suspected waterborne disease	10	
<b>C. HYDROGEOLOGICAL FEATURES (Circle)</b>		
Distance between a surface water source and the groundwater collector (vertical well, spring box or infiltration gallery)		
Over 200 ft	0	
100 - 200 ft	5	
Less than 100 ft	10	
Well, spring, or infiltration gallery located on floodplain at approximate altitude of stream	20	
Source aquifer that is alluvial material, cavernous, or fractured	15	

**TOTAL SCORE (\*\*)**

(\*\*) total score of  $\geq 40$  indicates further assessment is needed

**COMMENTS:**

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