

**UTAH COUNTY HEALTH  
DEPARTMENT REGULATION  
GOVERNING THE  
DETERMINATION OF GROUNDWATER TABLE ELEVATION**

Regulation # 2008-01 as amended on March 25, 2019.

A. The Utah County Health Department (“Department”) shall be notified by the applicant or the applicant’s designee when the maximum groundwater table, including the irrigation induced water table, is anticipated to rise closer than 48” to the elevation of the bottom of the proposed onsite wastewater system. This determination shall be made by an individual certified in accordance with Utah Administrative Code R317-11. If the maximum anticipated groundwater table cannot be determined, then one of the following options must be implemented:

1. An individual licensed in the State of Utah in the field of groundwater hydrology, geohydrology, hydrogeology, or a similar field, or an engineer licensed in the State of Utah with experience in the field of groundwater hydrology, geohydrology, hydrogeology, or a similar field (hereinafter a “qualified professional”), must certify in writing to the Department:
  - a. That the individual has completed sufficient studies to determine the maximum anticipated groundwater table, and
  - b. Their clear determination of the maximum anticipated groundwater table for each individual lot.
2. An individual certified in accordance with Utah Administrative Code R317-11, or a qualified professional, must certify in writing to the Department:
  - a. That the individual has completed an analysis of historical groundwater monitoring data sufficient to determine the maximum anticipated groundwater table, and
  - b. Their clear determination of the maximum anticipated groundwater table for each individual lot.

B. If the maximum anticipated groundwater table cannot be determined by A.1. or A.2. above, the groundwater table shall be monitored for a period of one year. The final determination of the maximum anticipated groundwater table shall be made by an individual certified in accordance with Utah Administrative Code R317-11, or a qualified professional. Any request for a shorter monitoring period must be applied for in writing by the applicant or the applicant's designee to the Department Health Director, together with documentation supporting their request. A request for a shorter monitoring period shall be approved if the Health Director has determined that the information provided accurately and reliably indicates that the groundwater table for the lot at issue will reach the maximum anticipated groundwater elevation within the requested shortened monitoring period. The Health Director shall make a final determination as to the length of the shorter monitoring period.

1. In unusually dry years, climatological data and other environmental factors may require a longer monitoring period. In years when climatological records report river

flow or precipitation less than 85% of the average river flow or precipitation in relevant area on April 1st, a second year of monitoring may be required. In lieu of an additional year of monitoring, an individual certified in accordance with Utah Administrative Code R317-11, or a qualified professional, may make a lot by lot determination of the maximum anticipated groundwater table based on existing data collected, the actual amounts of precipitation, and other pertinent information. If maximum anticipated groundwater table is clearly identified and submitted to the Department in writing, then monitoring will no longer be required.

2. Additional years of monitoring may be required if multiple dry years occur in succession. In areas where reservoir or lake capacity elevations may influence groundwater table elevations, site specific monitoring data must be collected when the reservoir or lake is at 100% capacity. If 100% capacity is not achieved but capacity has reached 85%, then the Health Director may make a lot by lot determination if groundwater monitoring shall continue based on existing data collected and other pertinent information as outlined herein.

C. Observations, recordings, and determinations for parts A and B above must be conducted by individual certified in accordance with Utah Administrative Code R317-11 or a qualified professional. These individuals must receive oversight from the Department. The frequency of the monitoring must be prearranged with the Department and will typically be on a minimum once per month basis.

D. All costs associated with the excavation, construction, placement of the monitoring wells, monitoring of the groundwater elevations, including all applicable Department fees, and any other cost associated with an independent contractor, shall be the responsibility of the person or persons required to conduct the monitoring.

E. Fees may be imposed pursuant to Utah Code § 26A-1-114.

F. When the Department is aware of conflicting groundwater table information, such as Utah Geological Surveys, or historical information compiled by the Department, the applicant shall include and resolve the conflicting information in the analysis and determination of the maximum anticipated groundwater table.

This Amendment adopted by the Utah County Board of Health, this 25 day of March 2019.

  
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Jeff Addison  
Chair  
Utah County Board of Health

  
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Ralph Clegg, EHS MPA  
Executive Director  
Utah County Health Department