

**Statement of Basis
for Issuing
Underground Injection Control (UIC)
Class V Individual Permit
UIC Permit Number: UTU-27-IP-88A335D**

1. **Permittee:** Leamington Town Corporation (Leamington); P.O. Box 38101; Leamington, Utah 84638-0101
2. **Permitted Facility:** Leamington Town Culinary Water Well located at 200 South Center Street in Leamington; UIC Well ID – UTU-27-5-E1AAB076
3. **Basis for Issuing Permit:** To ensure that injection of treated spring water does not cause the exceedance of Maximum Contaminant Levels (MCLs) in the Underground Source of Drinking Water (USDW) in which the Leamington Culinary Water Well is completed.
4. **Summary of Permit Conditions:**
 - a. **Injection Fluid Limitations** – The injectate is limited to water from Upper and Lower Netties, Upper and Lower Narrows, and Black Willow springs in Fool Creek Canyon which is treated by gas chlorination and stored in the water storage tanks near the well site. The injectate must meet all Federal and State MCLs and Ground Water Quality Standards prior to injection. All additives introduced into the injection stream must meet all Utah Rules for Public Drinking Water Systems found in UAC R309-525-11.
 - b. **Injection Zone** – Early Quaternary – Pliocene deltaic deposits of the Sevier River Lynndyl Bench
 - c. **Injection Pressure Limitations** – Injection pressure shall be limited to prevent flowing artesian conditions in any well within the 2 mile radius area of review around the Leamington Town Culinary Water Well.
 - d. **Injection Rate Limitations** – No injection rate limitations.
 - e. **Injection Volume Limitations** – The annual injection volume is limited to ½ of the volume of water flowing through the Fool Creek-Leamington Pipeline up to the 0.25 cubic feet per second (112 gallons per minute) water right Leamington has for the springs in Fool Creek Canyon as indicated in the Ground Water Recharge Permit issued by the Utah Division of Water Rights.
 - f. **Security Requirements** – The gas chlorination facility, the water storage tanks, and the well head of the Leamington Town Culinary Water Well shall be secure at all times.
 - g. **Summary of Monitoring Requirements** – Details of the monitoring parameters and schedule are included as an attachment to the permit. The spring water and the water from the Leamington Town Culinary Water Well have been fully characterized according to the requirements of the Division of Drinking Water; therefore additional characterization is not required under this permit prior to the commencement of injection. If a new injectate source is proposed for inclusion in the injectate stream, it shall be analyzed annually for a comprehensive list of parameters. Additional monitoring requirements are detailed in the draft permit.

Operating parameters shall be monitored with instruments that are calibrated and maintained according to manufacturer's specifications. Calibration and maintenance records of all monitoring instruments shall be filed and made available for inspection by DWQ.
 - h. **Summary of Reporting Requirements** – Reports of all monitoring and testing shall be submitted quarterly. Additional reporting and notification requirements are detailed in Part III of the permit.