

— Division of Drinking Water – State of the Jordan River & Watershed

Nathan Lunstad, Ph.D., P.E.
Division Director



**Department of
Environmental Quality**

Division of Drinking Water

Our mission

Protecting and improving Utah's drinking water while supporting communities and growth statewide.



**Department of
Environmental Quality**

Division of Drinking Water

Ensuring all Utahns have access to safe and reliable drinking water



Drinking Water Standards

Bacteriological, metals, organic, inorganic, emerging contaminants



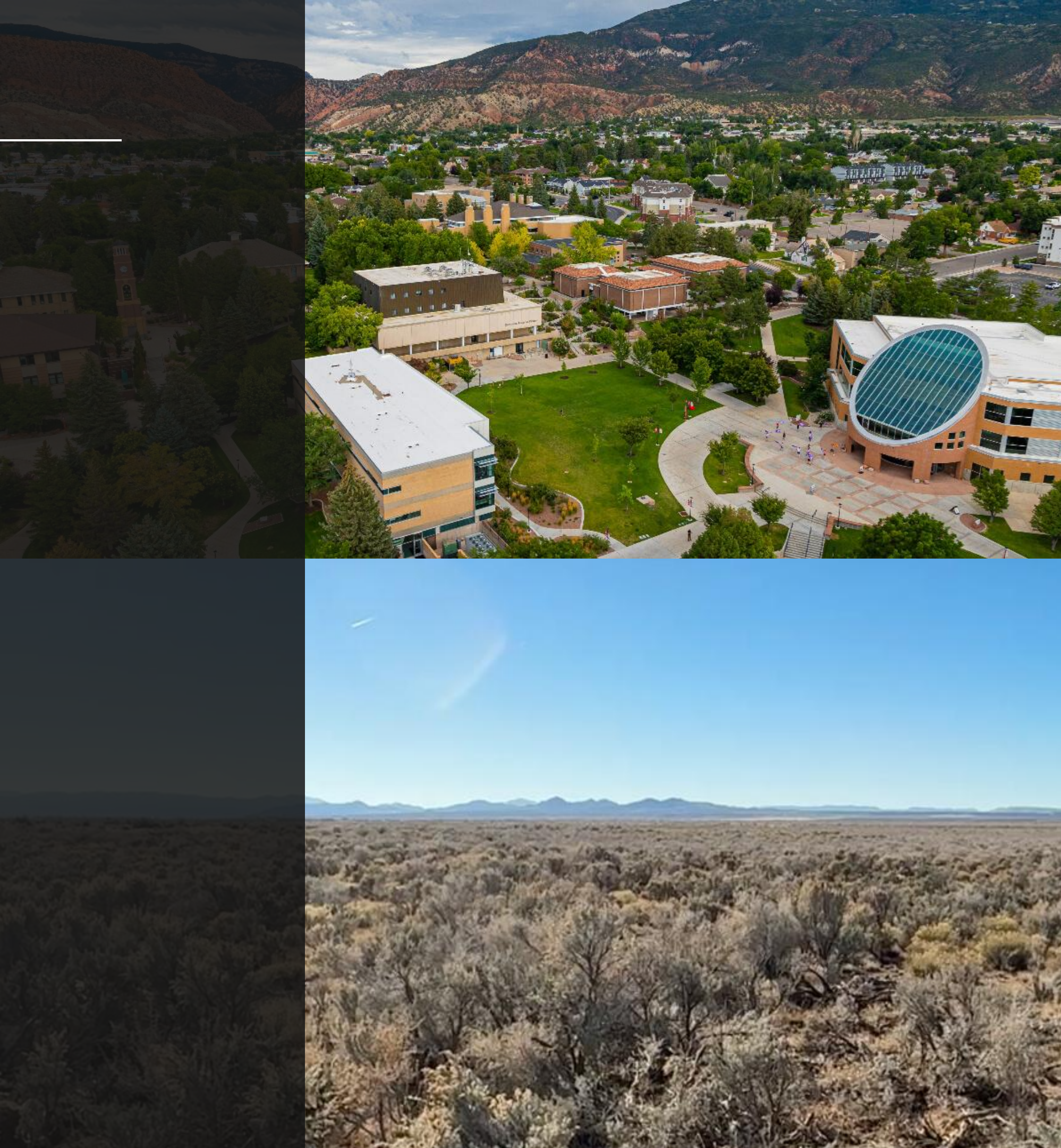
Adequate Water

Source and Storage
Infrastructure - aging and growth



Emergency and Technical Assistance

Drought and wildfires



Impact on Utah's Growth and Economy

Drinking Water – No. 1 limiting factor

Linked to Utah's prosperity



Drought Impacts on Water Systems



Water Quantity

- Decreased aquifer recharge
- Reduced spring flow
- Lower level in wells
- Lower levels in reservoirs and streamflow
- Increased fire flow demand
- Increased outdoor water demand



Water Quality

- Higher inorganic concentrations
- Higher temperatures can increase pathogens and bacteria in SW
- Loss of system pressure
- Cross Connection risks
- Increase in boil water orders



Operational Strain

- Impacts to treatment plants
- Impact to Blending Plans
- Managing Demands
- Financial Impacts

What Utah Is Doing to Prepare for Drought



Drought Preparedness



- System Interconnections
- Activate Standby Sources
- Source Redundancy and Diversity
- Groundwater Level Monitoring
- Increased Sampling
- Infrastructure Upgrades (Replace aging pipes)
- Implement Water Conservation
- Tiered Water Rates
- Water Hauling Permit

Restructuring Methods

Restructuring Doesn't Always Mean Consolidation



Agreements,
Contracts

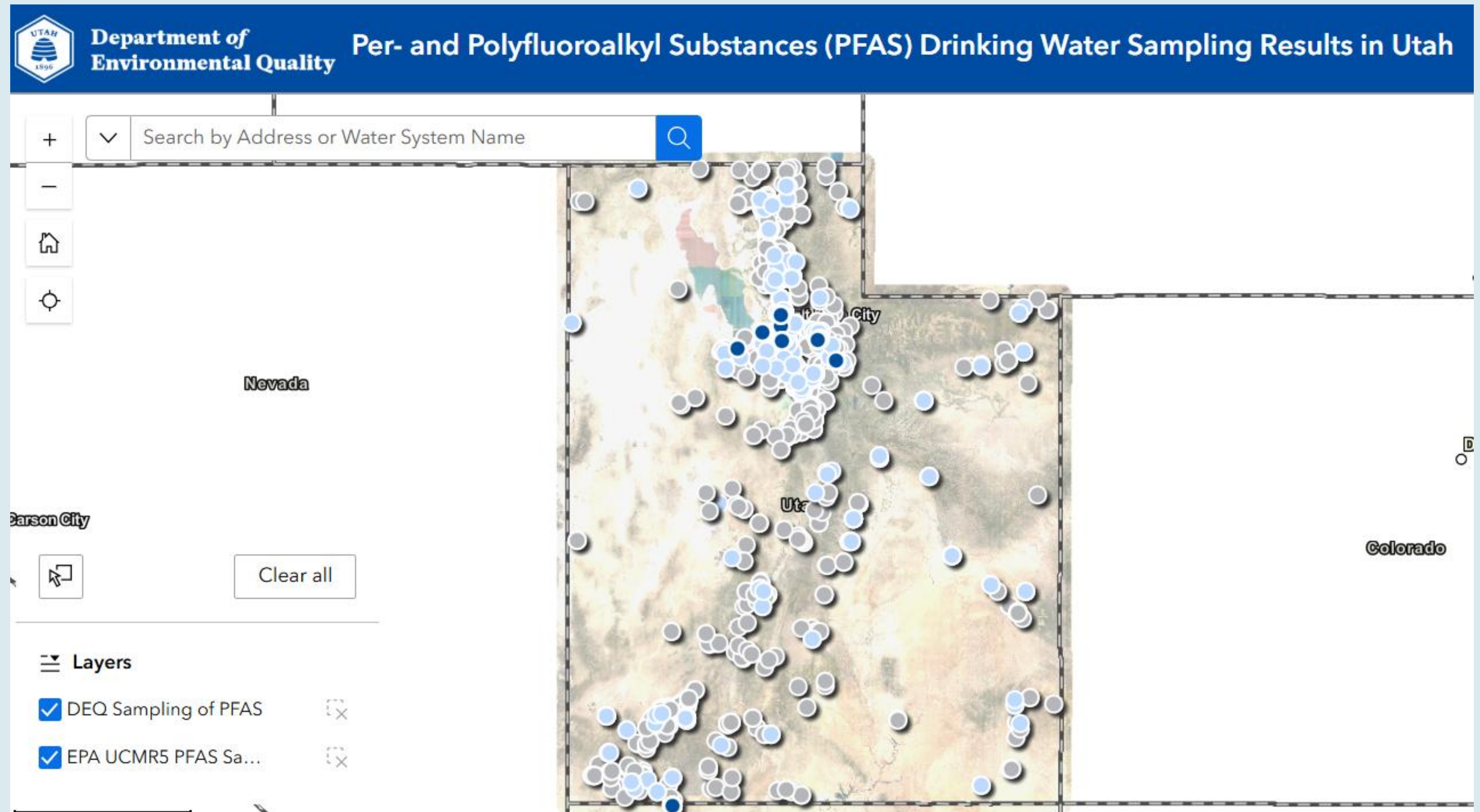
Partnerships

Franchising

Imposed
Districts,
Regionalization

Consolidated
Entites,
Unifying
Governance

PFAS - <https://deq.utah.gov/ddw/drinking-water-pfas>



— Division Director

Nathan Lunstad, Ph.D., P.E.



Email: nlunstad@utah.gov

Mobile: (385) 239-5974



**Department of
Environmental Quality**

Division of Drinking Water