PWS Type: Community, NTNC, or TNC? TNC

The estimated maximum number of vehicles served at this UDOT rest stop is 1,600 on a peak day.

1. **Indoor Water Use**
   Number of Residential Connections = 0

   Number of other connections = 1,600 vehicles on a peak day (Table 510-1 Roadway Rest Stop)
   => Peak day demand = 7 gpd per vehicle
   => Total peak day demand = 11,200 gallons per day = 14 equivalent residential connections (ERCs)
      
      \[
      \begin{align*}
      &7 \text{ gpd per vehicle } \times 1,600 \text{ vehicles } = 11,200 \text{ gpd} \\
      &11,200 \text{ gpd} / 800 \text{ gpd per ERC } \Rightarrow 14 \text{ ERCs}
      \end{align*}
      \]

2. **Outdoor Water Use**
   Located in Box Elder County near Promontory => Map Zone 4
   Total irrigated acreage = 0 acres

3. **Fire Flow Requirements**
   Fire suppression flow not required.
   Local fire authority name ___________________ Contact Info ___________________

4. **Existing source capacity = 15 gpm**

5. **Existing storage capacity = 3,000 gallons** (assuming 6,000-gallon hydropneumatic tank with 50% bladder capacity) (Calc1)

   \[
   \begin{align*}
   &6,000 \text{ gallons } \times 50\% = 3,000 \text{ gallons of storage capacity}
   \end{align*}
   \]

   (What if this is an unpressurized 6,000-gallon steel tank?) (Calc2)

   \[
   \begin{align*}
   &6,000 \text{ gallons of storage capacity}
   \end{align*}
   \]