Water System Capacity Calculation Scenario 4 — **Spirited Away Campground**

PWS Type: Community, NTNC, or TNC? _TNC_
This campground has 20 camp sites and 4 flush toilets.
Each campsite can accommodate 10 people.

1. Indoor Water Use
Number of Residential Connections = 0

Number of other connection = 200 campers during peak day (Table 510-1 Camp b.)
=> peak day demand = _20_ gpd/person
=> Total peak day demand = _40,000_ gallons per day = _5_ equivalent residential connections (ERCs)
        20 gpd per person x 200 campers = 4,000 gpd
        4,000 gpd / 800 gpd per ERC => 5 ERCs

2. Outdoor Water Use
Located in Wasatch County near Wallsburg => Map Zone _2_
Total irrigated acreage = 0 acre

3. Fire Flow Requirements
Fire suppression flow is not required.
Local fire authority name _____   Contact Info _____

4. Existing source capacity = 10 gpm (from a gravity fed spring)

5. Existing storage capacity = _300_ gallons (assuming ten pressure tanks, each 60-gallons with 50% bladder capacity)
        60 gallons x 50% = 30 gallons each pressure tank
        30 gallons per tank x 10 tanks = 300 gallons total storage

* This water system may want to consider exception request (source 10 gpm >> peak day demand 2.8 gpm).