

## Samara Square

### Potable Water System Description, Key Challenges and Redundancy of Supply

**Description of Water Source** - The drinking-water system is serviced by a groundwater well supply source that consists of two bedrock wells (TW-1 and TW-2). General characteristics and further details of the water source (and overall system) are provided in the recently prepared EER.

**Key Challenges** – Key challenges for the water source at this time are considered to be **Source Water Protection** and **GUDI Classification**. These have been discussed in detail in the EER. They will require ongoing monitoring and maintenance, and continued coordination with regulatory agencies as required and recommended in the EER.

**Redundancy of supply and automatic transfer to back up power** - Yes, there is redundancy of supply (a main well, a back-up well, and a third well not currently connected that could be developed if needed). Current system demand is well below approved water source capability and ability to supply and treat raw water. Backup power is supplied by a natural gas powered backup generator that comes on automatically in the event of power failure.