

Aquifer Storage and Recovery Wells

Along with the elevated storage tanks that you see throughout the BJWSA service area, we also have Aquifer Storage and Recovery (ASR) wells to ensure that there is enough fresh drinking water available year round.

An ASR well is used to inject and store a high volume of water underground in an aquifer that is formed by natural geology. BJWSA's two ASR wells—one at the Chelsea Plant and one north of the Broad River—offer many advantages.

Using ASR wells, we can safely store excess water underground when it is available, and recover that water for use when supplies are short. During the wet season, treated drinking water is pumped from water plants into the aquifer. During dry months, the water is pumped back out to be delivered to our customers.

The ASR wells add back-up water supplies for emergencies and disaster relief. They are also significantly less expensive than above ground storage tanks because so little land is required and relatively little hardware or construction is necessary. The stored water meets all state and federal standards.

