

Monthly Newsletter



ASR

PRESERVING OUR WATER
...OUR FUTURE

Volume 1, Issue 1

January 2010

Special points of interest:

- Construction of Phase II Projects
- Record of Decision
- Surge Tanks Bid Awarded

EQUUS BEDS AQUIFER STORAGE AND RECOVERY (ASR) PROJECT

Highlights for January

- Receive Record of Decision from Bureau of Reclamation
- Construction to begin on Surge Tanks
- 72nd St and Golden Prairie pipeline projects to advertise for bids
- Well Field Maintenance Facilities project to accept pre-qualifications for bid
- Overhead Powerlines project to accept pre-qualifications for bids

Construction of Phase II Projects Underway

The Surface Water Treatment Plant and River Intake construction sites, and well drilling, two of six projects in Phase II, have been full of activity the past few months. With construction starting in October, contractors were pleased to end the 2009 year ahead of schedule.

Surface Water Treatment Plant (SWTP). Concrete trucks were as plentiful as the turkeys during November, when the SWTP had a 360 cubic yard concrete pour. This amount is equal to 810 feet of two-lane road poured 6 inches thick. The concrete slab will be the base for the clearwell, a tank that will hold the clean water before it is transferred to the wells.

Excavation and construction of the pad and foundation has been completed for the clarifier. This structure is designed to reduce suspended solids and other dirt from the water before final treatment.



River Intake. At the River Intake site, the initial excavation was completed for the construction pad, followed by construction of a cofferdam. The cofferdam holds water back while excavation of dirt below the water table is removed. Excavation to the final intake sub-slab elevation and dewatering of the area began in the final week of the 2009 year.

Well Drilling. During fall 2009, observation well drilling began, as did drilling for regional water authority monitoring wells.

SWTP Site (top photo) during excavation.

Concrete pour (bottom photo) for clearwell base at SWTP.

The site is located at N 119th St W & W 117th St N.

ASR Project to Receive Record of Decision

A Record of Decision (ROD) documenting the approved Alternative described in the Environmental Impact Statement (EIS) for the ASR Project is expected on January 15th. This is a milestone event for the ASR Project, as the signed ROD allows the City of Wichita to request additional cost sharing funds from the Bureau of

Reclamation. As of December 2009 the City has received over \$2 million as part of the cost sharing program.

The Bureau of Reclamation (BOR) entered into a cooperative agreement with the City in 2008 to provide assistance in the funding and implementation of the ASR Project. Because federal funds are being spent an EIS documenting

the ASR Project and potential impact, both positive and negative, to the environment and socio-economics was generated by the BOR.

An EIS is part of the National Environmental Protection Act (NEPA) and is a timely process. The process involves input from various stakeholders including the public, state and other federal entities.

CITY OF WICHITA, ASR PROJECT

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In Construction...
[NEW ASR Project Website](#)
Where *YOU* will be able to
Read and Learn More!

The ASR Project is a cutting edge and environmentally sustainable solution to meet the regional users water demands for years to come.

ASR is win-win! Without completion of the project, the water table in the Equus Beds Aquifer will continue to decrease, allowing salt-water from upstream to move into the aquifer and contaminate the water. In addition, water supplies will become critical within 5-10 years if the aquifer is not recharged, naturally or artificially.

The City of Wichita believes the ASR Project represents a responsible and viable solution to protect the quantity and quality of water for all users of the Equus Beds Aquifer.

Learn More... Ask Questions.
Together we can preserve our water... our future!

Piece of the Project

On December 21, Harvey County Commissioners approved conditional use permits and variances for the City of Wichita to construct two, 150 foot, microwave communication towers. The purpose of the towers is to transmit data to and from the well field, Wichita's water treatment plant, and Wichita's City Hall. The towers will be located near NW 12th and Willow Lake Road and SW 60th and Spring Lake Road.

Notice of Award Given to CB&I for Construction of Surge Tanks

On December 18th, bids were received by the City of Wichita's Purchasing Department for the construction of two surge tanks. CB&I (Chicago, Bridge, and Iron Company), was the low bidder and received the Notice of Award. Their Steel Plate Structures division has experience in the design, fabrication, and construction of water storage tanks used in water and wastewater industries.

The surge tanks are part of the overall pipeline project for Phase II. One of the tanks,

the Production Surge Tank, will replace the existing surge tank located at the southeast corner of W 109th St N & N 167th St W. This new Production Surge Tank will be built behind the existing tank and the existing tank will be torn down and disposed of offsite.

The second surge tank, the Recharge Surge Tank, is needed during recharge operations and will be located at SW 72nd St, in between Old Settlers and Spring Lake Roads.

This project will be constructed at just over \$6.2 million dollars, actual bid price, which was within the engineers' estimates. It is anticipated that construction activities associated with both surge tanks will begin in late January and is scheduled to last 10 months.

A public notice will be provided to local newspapers and affected residents prior to construction. All contractors on this project, and all other projects related to ASR Phase II, will be required to carry proper identification.