

**Division of Abandoned Mine Lands AML PILOT Project  
Status Report**

**Grant Recipient Name:** Big Sandy Area Development District

**Project Name:** Martin Co. Water Systems Controls & Raw Water Modification

**Project Manager:** Eric Ratliff

**Date Submitted:** October 8, 2019

**Accomplishments:**

**Pump Purchase Only:** Contract documents have been signed and a Notice to Proceed has been issued to Xylem Dewatering Solutions for the purchase of two (2) Raw Water Intake Pumps (400 HP and 600 HP). Xylem has completed fabrication of the smaller (2 MGD pump). The 4 MGD pump is currently being fabricated along with the variable speed drive for the 4 MGD pump. Pump fabrication should be complete in the next 1.5 to 2 months.

**RWI & WTP Improvements:** Bell Engineering has refocused design at the WTP to include upgrades to Clarifiers #2, and onsite generator and portable generator to operate booster pump stations, a new roof out to the clarifiers and a new flow meter. This design efforts is ongoing and Bell has completed front end bid documents for the project. It is anticipated Bell will have preliminary plans and specifications for review/discussion at the November progress meeting.

**Line Improvements:** Locating and marking of existing water lines in the project area has begun in the project area. Front end bid documents for the project have been completed.

**Hydraulic Modeling:** Bell has completed field review of the RWI, WTP, Storage Tanks and PRVs. Bell and the University of Kentucky have meet in Martin County to coordinate collection of field data for the calibration of the Hydraulic Model. Flow testing of selected hydrants has been conducted throughout the water system and is being reviewed.

**Performance outcome data/metrics:**

Bell Engineering is continuing with the design of the overall AML Project combined with the COE and ARC funding and the Hydraulic Model for the Water District.

BSADD staff continues to attend Martin County Water District Monthly Progress Meetings.

**Problems, issues, variances from plan:**

None at this time

**Related Projects:**

Bell Engineering has started preliminary design of the ARC Project to the water main line replacement and other improvements in the community of Lovely.