



WATER TREATMENT PLANT

The NEW City of Annapolis Water Plant

2014

Background

In 2009, a comprehensive facility assessment indicated that the existing treatment plant is at the end of its useful life. The assessment noted that the plant has many critical pieces of equipment for which repair parts are unobtainable, and portions of the plant lack redundancy. Based on a 50-year life cycle cost analysis, the City concluded that the most cost effective and risk minimizing option is construction of a new facility.

In March 2013, the City awarded a contract for the design and construction of a new water treatment plant to be located adjacent to the existing plant. The design of the new plant is underway and is scheduled to be completed in early summer. Groundbreaking for the new plant will follow soon thereafter. The new plant is expected to be put into full operation in late 2015.

Benefits

- ◇ Replaces old facility with new state-of-the-art plant.
- ◇ Redundant unit processes improve reliability
- ◇ Supervisory control and data acquisition (SCADA) system allows for part-time manned plant with automatic controls.
- ◇ Efficiency in reusing existing clearwell tanks, wells and newer piping, resulting in lower project costs.



Funding Sources

- ◇ State \$28.5M low-interest loan, \$1.5M grant
- ◇ City \$5M

Project Status

- ◇ Design complete by August 2014
- ◇ Construction Phase 1 to begin June 2014
- ◇ Construction Phase 2 to begin August 2014
- ◇ Construction expected to end January 2016

Project Information

- Utilities Program Manager Thora Burkhardt, P.E.
- Project Manager Lily Openshaw, P.E.
- Owner's Representative & Inspection Manager Heery/Atkins/HDR
- Design Builder CDM Smith, Haskell, A Joint Venture
- Estimated Total Project Cost \$35M
- Projected Completion Date January 2016

For more information, please contact Thora Burkhardt at 410-263-7949 or email us at pubworks@annapolis.gov.