

Washington County Service Authority Board of Commissioners
January 28, 2013 Regular Meeting Minutes

The regular meeting of the Washington County Service Authority Board of Commissioners was called to order by the Chairman at 7:01pm.

ROLL CALL

Commissioners Present:

Mr. Joe Chase, Chairman
Mr. D.L. Stout, Vice Chairman
Mr. Prince Coleman
Mr. Dwain Miller
Mr. Frank Stephon, IV
Mr. Kenneth Taylor

Commissioners Absent:

Mr. Devere Hutchinson (arrived at 7:03 pm)

WCSA Staff Present:

Robbie Cornett, General Manager
Kimberly Harold, Controller
April Helbert, Engineering Manager
Carol Ann Shaffer, Administrative Assistant

Consultants Present:

Dennis Amos, PE; Anderson and Associates, Inc.
Kevin Heath, PE; Adams-Heath Engineering, Inc.
Bobby Lane, PE; The Lane Group, Inc.
Joey Mullins, Maxim Engineering, Inc.

Also Present:

Mrs. Dawn Figueiras, General Counsel

3. Approval of the Agenda

Mr. Cornett had no additions or corrections to the Agenda. Mr. Stephon motioned the approval of the Agenda. Mr. Stout seconded the motion and the Board approval voting 6-0-0-1.

4. Public Query & Comment

There was no public query or comment.

5. Approval of the Consent Agenda

Minutes for the November 26, 2012 Regular Meeting; November 26, 2012 Recessed Meeting (held December 12, 2012) and December 17, 2012 Regular Meeting.

- Routine Reports for December 2012.
- Financial Reports for December 2012.
- Check Register and General Manager Financial Report for December 2012.

Mr. Coleman made the motion to approve the Consent Agenda. Mr. Coleman's motion was seconded by Mr. Miller and approved by a 6-0-0-1 Board vote.

Mr. Hutchinson arrived after the Board vote to approve the Consent Agenda.

6. Engineer's Report and Update

Mr. Bobby Lane of Lane of The Lane Group, Inc. (TLG):

- **Raw Water Intake and Raw Water Line Replacement**

The forth filter will be online this week or next, reported Mr. Lane, enabling the plant to produce 9.6 million gallons of water. A justification for an increase in time has been prepared and submitted by the Contractor for review. Mr. Lane intends to present the Contractors request to the Board at the February Board Meeting.

- **Emory Meadowview Sewer Study**
TLG is in the process of completing the study for WCSA and the funding agencies review, said Mr. Lane. The next challenge will be how to implement and fund the project.

- **Exit 13 Wastewater Project Phase 1 & Exit 13 Force Main Project**

According to Mr. Lane, the Contractors are moving along well with the project and expect to be finished in February 2013. Mr. Miller asked if the

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Contractors were having issues with boring.

Mr. Matthew Lane answered saying Ramey was having issues with boring because the rock was so hard. They are boring about 1.5 feet per day.

- **Galvanized Waterline Replacement Project – Phase 1 & 2**

The Division 3 (Abingdon) Contractor, Boring Contractors has completed the work associated with the Change Order approved in October. Mr. Lane expects to have Final Close-out paperwork for Board approval at the February meeting. Final Plans for Phase 2 Galvanized Waterline Project construction are now complete. TLG hopes to advertise for construction of Phase 2 in March 2013.

- **Hidden Valley Water System Preliminary Engineering Report**

The PER is complete and TLG will be working with WCSA staff and Mt. Rogers to prepare the application for funding of Phase 1. TLG is also reviewing the feasibility of utilizing DHCD Block Grants and DHCD "self-help" funds for part of the Project. Mr. Cornett added, if Washington County does agree to sponsor an application to DHCD for Hidden Valley, there will be two Public Hearings. One likely in February and one in March since both meeting must be held before the end of March. Mr. Cornett encouraged the Board members to attend the Public Hearings.

- **Mendota Water System Source Improvements**

A Bid Opening was held on January 15th with Crosspointe Construction being the low bidder. TLG will be making contract award recommendations to the Board later in tonight's meeting.

- **Nordyke Road Water System Project**

Mr. Lane reported to the Board that final plans and specifications have been approved. Mr. Lane asked the Board's consideration to advertise the Project for Bids in February 2013, pending easement acquisition.

Mr. Miller made a motion allowing advertisement for Bids pending easement acquisition. Mr. Hutchinson seconded Mr. Miller's motion and the Board approved with a unanimous vote of 7-0-0-0.

- **Oak Park Sewer Project**

Both Contractors are now working on construction. Boring Construction is working on Contract 1 (Sewer Lift Station) and Contract 2B (Gravity Sewer Line). Tipton Construction is working on Contract 2A (Force Main), reported Mr. Lane.

- **Western Washington County Sewer Study.**

Mr. Lane said work on obtaining the Beaver Creek Discharge Permit continues. MapTech is now well under way with the TMDL study and calculation.

- **Reedy Creek Water System**

Mr. Matthew Lane gave a presentation summarizing the Reedy Creek Project. Mr. Lane discussed some challenges the Contractors faced while working on the Project. One challenge the Contractors faced was the fact most of the roads where the new lines were constructed only had prescriptive easements. Because of that, the new line had to be located within 10 feet of the old line. Another challenge was working on narrow roads with little shoulder allowing little room for construction. These roads are heavily traveled as well, Mr. Lane added. Working during

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a very wet year was also challenging for the Contractors.

Mr. Lane then discussed Project accomplished; including the dramatic improvement of fire flow in the Reedy Creek area. Another accomplishment is the rate of increase to transfer water into the Reedy Creek Tank. The new line is much stronger now, Mr. Lane added, decreasing line breaks which also decreases maintenance and operation costs. Replacing the old galvanized line, also allows for future system extensions of the water line. Mr. Lane concluded his presentation saying, Project construction was completed on time and under budget.

In closing, Mr. Bobby Lane announced to the Board, as of this year, Adams Heath Engineering and The Lane Group have reached an agreement and would be joining forces; working together as one firm going forward. The Galax office will continue to carry the name, Adams Heath Engineering. Mr. Lane expressed his enthusiasm having Mr. Kevin Heath and staff join their team.

Mr. Joey Mullins of Maxim Engineering

• Tumbling Creek South & North Fork River Road Water Projects

Mr. Mullins said Project plans, specifications and hydraulic design reports have been resubmitted to the Virginia Department of Health for approval. Maxim has also submitted permit applications to appropriate agencies for approval. Maxim is addressing comments from those agencies. Maxim expects to request approval from the WCSA Board for Bid advertisement at the February 2013 meeting, Mr. Mullins indicated.

• Larwood Acres / Exit 1 Wastewater Feasibility Study

Currently, we are gathering and reviewing existing studies, reports and service agreements, Mr. Mullins stated. We expect the study to be completed by the end of April, he added.

Mr. Kevin Heath of Adams-Heath Engineering (AHE):

• Green Spring Water Line Replacement

Bids for the project were opened on January 10, 2013 and will be discussed as an Agenda Item later tonight, Mr. Heath stated.

• Rich Valley Road/Whites Mill Road/ Hillandale Road/ Red Fox Land Water Extension Project

Mr. Heath said the Environmental information for all three projects has been submitted to the VDH. Hillandale Road and Red Fox Lane were categorical exclusions and have been advertised as such. The advertisement period has expired. Easements for those areas have been acquired and accepted by VDH. There was no environmental categorical exclusion for Rich Valley Road/Whites Mill Road and that information has been advertised. A Public Hearing will be scheduled for Rich Valley/Whites Mill Road after the comment period expires.

Mr. Heath requested permission from the Board to advertise Hillandale and Red Fox Lane for Bid.

Mr. Hutchinson made a motion granting permission to advertise Hillandale and Red Fox Lane. Mr. Stout seconded the motion and with a vote of 7-0-0-0, the Board approved.

• Abingdon Water Storage Improvements Study

AHE has submitted a draft PER to WCSA for staff review.

• Smyth Chapel Area Water Improvements Study

Mr. Heath expects to submit a draft PER to WCSA for review very soon.

- **Monte Vista/Crescent Drive Water Line Improvements**

This project has been temporarily placed on hold at the request of WCSA, said Mr. Heath.

- **Eastern Washington County Water Study**

At the request of WCSA, this project has also been placed on hold temporarily, according to Mr. Heath.

- **Route 58 Water Supply Improvements Project**

A Draft Environmental Review Document and PER Amendment 1 has been reviewed by WCSA staff and submitted to USDA-RD for their review and comment, Mr. Heath reported.

April Helbert on behalf of Anderson and Associates (A&A):

- **Exit 13 Sewer Project Phases 2A**

In Mr. Amos' absence, Mr. Helbert updated the Board on the Project. A&A is working to narrow the project down, she reported. The participation level for Phase 2A is about 78%. Mrs. Helbert mentioned the Phase 3 meeting held at the Higher Ed Center saying the meeting went well. Mr. Cornett said WCSA would follow up with residence in the Phase 3 project area with a letter and user agreement. The letter will provide background information about the project. We also plan to begin the Project Champions identification process, identifying those who are willing to go door-to-door in the community, He added. We typically support the work of the Project Champions as necessary by answering questions, said Mr. Cornett, but find that area residence going door-to-door it is more meaningful.

7. Water & Wastewater Construction Projects Report and Update April Helbert

Mrs. Helbert reported on the Sutherland Project, saying Plans, Specifications and contract documents have been approved by all agencies except TDOT. The Engineering department continues to work through issues with TDOT as their requirements are very strict, she added.

Mrs. Helbert then reported on Childress Hollow saying project design has started and she expects to have the project ready for advertisement the week of Labor Day.

When the project was advertised on 2006, the only requirement I recall, is the assurance we would fix the road if damaged, stated Mr. Cornett.

There was a brief discussion regarding the strict requirements TDOT placed on the Project.

8. General Manager's Report & Update Robbie Cornett

Mr. Cornett referred to his General Manager's Report and Update at the Board's stations. He reported on the following noteworthy WCSA performance & accomplishments from all departments during the month of December:

Water Production

- Produced more than 193 million gallons of drinking water from WCSA and more than 30 million gallons of water for the Town of Chilhowie.

Distribution

- Coordinated the outside purchase of more than 12 million gallons of drinking water.
- In total, 6.6 million gallons per day of drinking water was distributed to our customers for the month.

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Meter Department

- 147 customers were telephoned following unusually high usage.
- 654 customers were notified that their water was to be turned off for nonpayment.
- 80 meters were lifted for non-payment.
- 98.98 % (21,827) of all (22,046) meters read with radio with the remainder (109) requiring a manual read.

Customer Service

- \$3,551.28 was adapted for 32 customer water leaks.
- 5 water taps applied for.
- 1 wastewater tap applied for
- 111 reconnections/transfers of service.
- 4,985 accounts with late charges added.
- 1,223 disconnect notices processed.
- 71 disconnects for non-payment.
- 20,899 active water accounts as of December 31st, 2012
- 2,072 active sewer accounts

Maintenance

- 21 leaks
- 15 major breaks repaired
- 5 water taps
- 1 wastewater tap
- 43 after hour maintenance call-outs.

Wastewater

- Treated 8.8 million gallons of wastewater at Hall Creek
- Treated 4.3 million gallons of wastewater at Damascus

Administrative Items

- Our compensation and Benefits Committee met today to consider the condition of our compensation and benefits.
- Though it occurred in January and not December, I wanted to summarize some of the recent

rain/snow related issues that we managed, said Mr. Cornett.

- Reservation Spring (about 0.9 MGD) was offline due to high turbidity for more than five days. Turbidity levels were the highest on record following a rain event. Turbidity levels have not been higher however those events appear to follow earthquake.
- For six days we had to perform nine chemical washes (3 per stage for 3 stages) at Mill Creek due to high turbidity. Chemical washes require an operator to be there and resulted in 4 million gallons less production over the six day period. During one of the six days, the power was out requiring us to operate the facility on our standby generator.
- At the (under construction) Middle Fork Drinking Water Plant, our production rate and hours of operation had to increase to make up for the decrease from Reservation Spring and Mill Creek. For six days our average production rate was 5.393 MGD and the Plant operated 22.3 hours per day. The filter rate was increased from 3.75 gpm/ft² to 3.93 gpm/ft² which resulted in a 200 gpm increase. This is significant! The Plant was impacted by a combination of circumstances that created challenges: 1) construction, 2) operating new systems, 3) cold water (difficult to treat and 4) high turbidity (difficult to treat). Results: Water quality that not only met but greatly exceeded water quality standards; there was hardly a

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measurable difference in finished water quality.

- As the Board may be aware, WCSA has won a prestigious project-of-the-year award from a major industry trade publication. *Water & Wastes Digest (WWD)* recently recognized WCSA's South Fork Intake and Middle Fork Water Treatment Plant Expansion Project as one the 10 Top Water & Wastewater Projects for 2012. The editorial staff of *WWD* judge entries on a variety of obstacles met and overcome, as well as final goals achieved. Nominated projects differed in terms of goal and size, with budgets ranging from \$950,000 to \$80 million. Submissions were accepted during June, July and August of 2012, and 10 were selected from a field of approximately 100 entries.
- The *WWD* award has also resulted in favorable publicity from the Bristol Herald Courier and Washington County News.
- Moreover, regarding the *WWD* award, United States Senator Mark Warren, issued a congratulatory to WCSA on January 22, 2013. At your stations is a copy of the *WWD* award, WCSA Release and Senator Warner's letter (see attached).

Mr. Chase congratulated Mr. Cornett and the WCSA Staff for their accomplishment, winning the award from *WWD*.

9. Consideration of Vehicle Bids *Kim Harold*

Mrs. Harold reviewed the Bid information sheet at the Board stations (see attached). She discussed the purchase of the ¾ 4X4 with a bed saying, in the past, the Meter department has used an SUV for reading meters, and

another truck for daily use. This truck was originally included in the Bid for use by the Meter Department. Since then, the Meter Manager requested only one vehicle (the SUV, a Ford Escape)., Because of the change in technology and being able to use smaller equipment, Mr. Cornett added, we can consolidate the Meter Manager in one vehicle and not have to maintain two vehicles.

After Mrs. Harold's review, she recommended purchasing all vehicles listed on the bid sheet from the lowest bidder, Empire Ford.

Mr. Stephon motioned to approve the purchase of all vehicles from Empire Ford. Mr. Taylor seconded the motion and the Board approved with a 7-0-0 vote.

10. Consideration of the Reedy Creek Water System Improvements Project Division 2—Change Order No. 2 *April Helbert*

This Change Order provides for a final "clean-up" of all quantities of items installed versus quantities bid, stated Mrs. Helbert. The Contractors added a French drain costing \$5,750. The Contractor found meters that were connected to the old line on Haskel Station and they provided a switchover of those meters. The Change order also includes the installation of two 6 inch gate valves. Additionally, the Change Order provides an additional 65 days; 30 days to obtain approvals and or easements for the additional line work; an additional 25 days to complete the additional work and 10 days to bring substantial completion date up to that of final completion. The Substantial Completion and Final Completion Dates will now be December 4, 2012. Change Order 2 decreases the contract price by

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\$5,040.10, making the final contract price \$491,901.40.

Mr. Coleman motioned to approve the Change Order 2. His motion was seconded by Mr. Hutchinson. Voting 7-0-0-0, the Board approved the motion.

11. Consideration of the Reedy Creek Water System Improvements Project Division 1—Change Order No. 1 April Helbert

Mrs. Helbert presented the Board with a revised copy of Change Order 1 for Division 1. Change Order 1 provides a decrease in contract price for quantities installed bid versus quantities bid in the amount of \$278,020.25, making the Final Contract Price \$2,454,856.75. Additionally, this Change Order provides an additional 45 days to Substantial Completion and 45 days to Final Completion, stated Mrs. Helbert.

The motion to approve Change Order 1 for Division 1 was made by Mr. Taylor, seconded by Mr. Stephon and approved with a 7-0-0-0 Board vote.

12. Consideration of Green Springs Road Water System Improvement Project Bids Kevin Heath

As discussed earlier in the meeting, Bids for Green Springs Road Water Line Replacement Project were opened on January 10, 2013, Mr. Heath said. The lowest responsible bidder, of the eight Bids received, was Tipton Construction. After reviewing the Bids, Mr. Heath recommended the Bid be awarded to the lowest bidder, Tipton Construction, with a base bid of \$282,634.

Mr. Stephon made a motion awarding the Bid to Tipton Construction. His motion was seconded by Mr. Stout and the Board approved voting 7-0-0-0.

13. Consideration of Mendota Water System Improvement Project Bids Bobby Lane

Mr. Lane presented the Board with a handout regarding the WCSA Mendota Water Project award recommendation (see attached). The low bid of nine bids received was from Crosspointe Constructions, with a base bid of \$149,599.50. Mr. Lane recommended the Project be awarded to Crosspointe Construction pending review and concurrence from WCSA Legal Counsel and the Department of Housing Community Development.

Mr. Taylor motioned to award the Bid to Crosspointe Construction, contingent on preliminary reviews. His motion was seconded by Mr. Miller and approved by the Board with a 7-0-0-0 vote.

14. Closed Meeting

At 7:59 pm, Mr. Stephon moved that the Board adjourn to Closed Meeting in accordance with the Virginia Freedom of Information Act, Code of Virginia Section 2.2-3711 Paragraph (A) (6): investment of public funds, 4. To discuss various inter-municipal and other agreements existing and proposed; Code of Virginia Section 2.2-3711 Paragraph (A) (7): legal advice, 5. To discuss potential litigation, contract litigation or both. 6. To discuss various inter-municipal and other agreements, In addition to the Board, the presence of Mrs. Dawn Figueiras, WCSA Counsel, and Mr. Robbie Cornett, WCSA General Manager was requested. A second to the Motion of Closed Meeting was made by Mr. Stout and was approved by Board vote of 7-0-0-0.

Return to Public Session:

Mr. Stephon read the following **Return to Public Meeting**; Mr. Chairman, I move that the Board return to Public

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Session. The motion was seconded by Mr. Stout and approved by Board vote of 7-0-0-0. The Board returned from Closed Meeting at 9:21 pm. Mr. Stephon read the following: **Certification of Closed Meeting;**

Whereas, the Washington County Service Authority has convened a Closed Meeting on this date pursuant to an affirmative recorded vote and in accordance with the provisions of the Virginia Freedom of Information Act; And Whereas, Section 2.2-3712 Paragraph D of the Code of Virginia requires a certification by this Authority that such Closed Meeting was conducted in conformity with Virginia Law. Now, therefore, be it resolved that the Authority hereby certifies that to the best of each member's knowledge, (1) only public business matters lawfully exempted from open meeting requirements by Virginia law were discussed in the Closed Meeting to which this certification resolution applies, and (2) only such public business matters as were identified in the motion convening the Closed Meeting were heard, discussed or considered by the Authority. Aye by Mr. Miller, Mr. Hutchinson, Mr. Stephon, Mr. Chase, Mr. Coleman, Mr. Taylor and Mr. Stout confirming that no outside discussion took place other than Closed Meeting topics.

16. Late Items

Late Item #1: Request that the Board Ratify Termination of M.B. Kahn dated December 20, 2012 *Robbie Cornett*

Mr. Cornett reminded the Board of the recommendation from TLG on December 20th to terminate M.B. Kahn, For Cause. Subsequently, Mr. Lawson; WCSA General Counsel; issued

termination of M.B. Kahn, For Cause and asks the Board to consider ratifying that termination, Mr. Cornett stated.

Mr. Stephon motioned to ratify termination of M.B. Kahn. Mr. Hutchinson seconded the motion and the Board approved with a unanimous vote of 7-0-0-0.

Late Item #2: Report on the schedule for completing the South Fork Intake *Robbie Cornett*

- January 28, 2013 - start design, specifications and contract documents for remaining South Fork Intake work and acquisition of above name approvals.
- March 1, 2013 - date by which all necessary approvals are required for advertisement.
- March 3, 2013 - advertise remaining South Fork Intake work.
- April 18, 2013 - open bids.
- April 22, 2013 - award bid to low responsive and responsible bidder (Board Meeting).
- June 15, 2013 - issue notice to proceed.
- August 15, 2013 - order casing pipe.
- September 15, 2013 - begin mobilize.
- October 15, 2013 - start work.

In closing, Mr. Cornett stated, WCSA expected to request permission to advertise the Project at the February 2013 meeting.

Mr. Taylor asked who the design team was.

The Lane Group partnering with CHA (Clough, Harbor and Associates), Mr. Cornett answered.

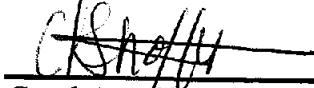
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17. Adjournment

At 9:26 pm, Mr. Miller motioned to Adjourn. The motion was seconded by Mr. Stephon and unanimously approved by the Board voting 7-0-0-0.



Mr. Joe Chase, Chairman



Carol Ann Shaffer, Assistant Secretary

2012

top water & wastewater projects

BROUGHT TO YOU BY WATER & WASTES DIGEST

Aging infrastructure, ever-changing regulations and tightening budgets present the water and waste water treatment industry with a challenging road ahead. Still, innovation continues to propel tens of thousands of noteworthy efforts, and they are flourishing in the face of challenges.

From June to August 2012, *Water & Wastes Digest* (WWD) encouraged project leaders to submit entries showcasing industry-specific projects in design or construction during the past 18 months.

Nominated projects differed in terms of goal, size and price from \$950,000 up to \$80 million. The editorial staff selected the winners based on a variety of obstacles

faceted and overcome by all parties involved with the projects, as well as final goals achieved and success met. WWD is proud to highlight these achievements in its annual list of Top Projects.

Thanks to all project leaders who took the time to submit entries and photos for our program, and congratulations to the owners, designers and contractors honored in WWD's 2012 Top Water & Wastewater Projects. www.wwd.com

Winner profiles, compiled by WWD assistant editor Amy McIntosh, are featured on pages 25 to 38.

For more information, contact WWD at wwdeditor@sage.com or write in 1102 on this issue's reader service form on page 66.

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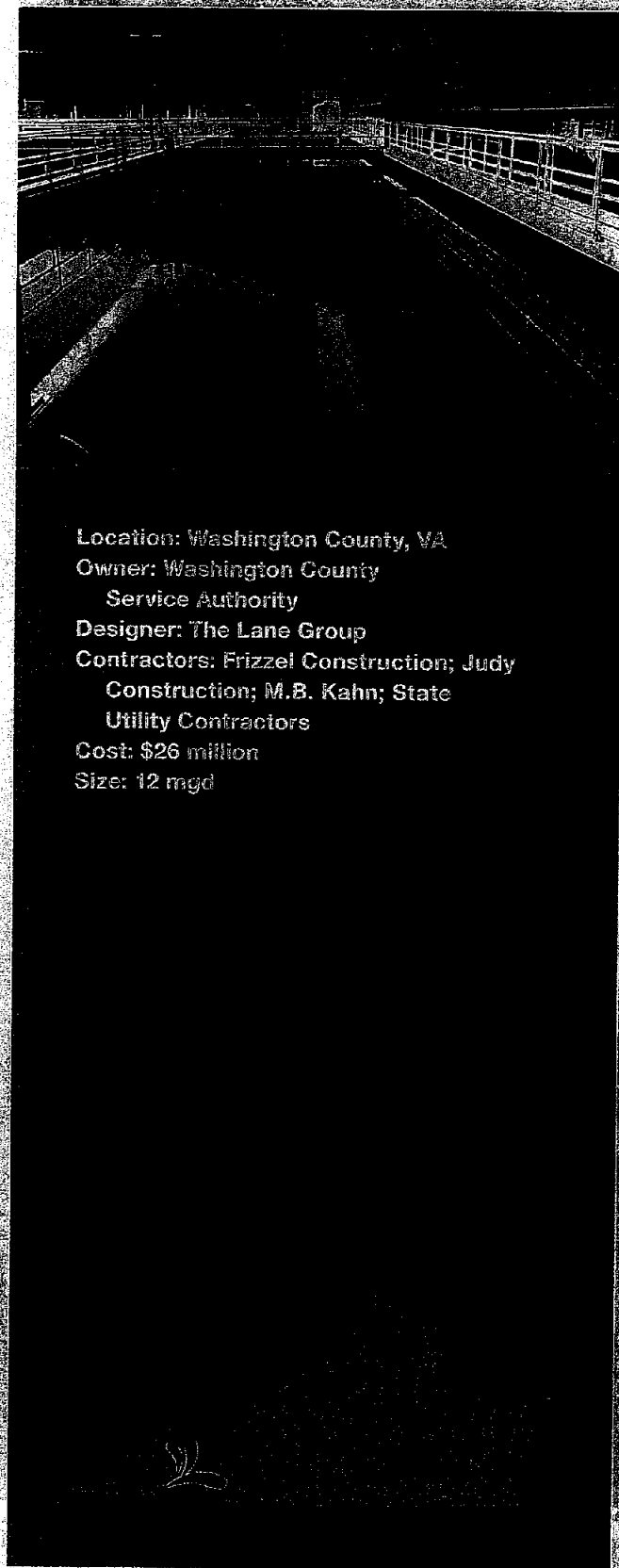


ALLIED
MOULDED
PRODUCTS, Inc.

252 Redwood Street
Bryn Mawr, PA 19006

419.636.3217
419.636.2450

Write in 117



Location: Washington County, VA
Owner: Washington County
Service Authority
Designer: The Lane Group
Contractors: Frizzel Construction; Judy
Construction; M.B. Kahn; State
Utility Contractors
Cost: \$26 million
Size: 12 mgd

Washington County Service Authority South Fork Intake & Middle Fork WTP Expansion Project

In 2010, Virginia's Washington County Service Authority (WCSA), was unable to withdraw enough water from the Middle Fork of the nearby Holston River to meet its residents' needs. The county's initial withdraw permit was 4.6 mgd, but in order to increase it to 12 mgd, a new raw water intake had to be constructed at the confluence of the Middle and South forks of the river.

Located more than 3 miles away, the river posed some challenges. The location is home to historically sensitive ground and water with high turbidity. Designers from The Lane Group created a submersed intake structure served by a directionally drilled gravity line to a wet well outside the historically sensitive area on the South Fork, where the turbidity was lower.

The existing plant was enclosed by two rivers, a highway and steep topography, so construction of a new 12-mgd facility within this property was a feat. To combat the geography, designers added tube settlers and adsorption clarifiers, along with five new filters, bringing the plant's total to eight.

Because the water was being pumped across an elevation much higher than the plant, there was an excess of water pressure from the new intake and pump station. The pressure had to be lowered before treatment. Instead of using a simple pressure reduction process, the design team proposed using Francis turbines in a new energy recovery station to generate electricity for the plant.

After pilot testing under cold weather, cold water and high turbidity conditions, the design was deemed a success.

Ultimately, the 12-mgd project with a \$26 million budget could actually handle at least 16 mgd and was completed under budget. As of October 2012, the project was 80% complete and is expected to be fully operational by February 2013.

"We couldn't be happier," said Robbie Cornett, general manager of the WCSA. 



FOR IMMEDIATE RELEASE

January 7, 2013

WCSA Wins Prestigious *Water & Wastes Digest* Award

ABINGDON, Va. — The Washington County Service Authority (WCSA) has won a prestigious project-of-the-year award from a major industry trade publication. *Water & Wastes Digest* (WWD) recently recognized WCSA's South Fork Intake and Middle Fork Water Treatment Plant Expansion Project as one of the 10 Top Water & Wastewater Projects for 2012.

The editorial staff of *WWD* judged entries on a variety of obstacles met and overcome, as well as final goals achieved. Nominated projects differed in terms of goal and size, with budgets ranging from \$950,000 to \$80 million. Submissions were accepted during June, July and August of 2012, and 10 winners were selected from a field of approximately 100 entries.

"This award underscores WCSA's ongoing commitment to providing consistent, reliable service," says Robbie Cornett, general manager of WCSA. "Our staff continues to develop new and better ways to meet our customers' water supply needs, and we are pleased to have created a practical solution for the future drinking water needs of Washington County. This project adds 7.4 million gallons per day to our system capacity."

The WCSA-winning project began construction in 2010, when a new raw water intake and treatment facility expansion was required to meet residents' countywide water supply needs. However, project planning, permitting, property acquisition and design began more than 20 years earlier.

Engineers created a unique design that included a submersed intake structure outside the historically sensitive area on the South Fork, where turbidity was lower. Tube settlers and adsorption clarifiers were added, along with five new filters and Francis turbines in a new energy recovery station. Testing conducted in cold weather, cold water and high-turbidity conditions proved the design a success.

"Despite facing a number of unique obstacles due to the plant's location and high water pressure conditions, the WCSA project is being successfully completed under budget with a larger capacity than originally expected," says Amy McIntosh, assistant editor at Scranton Gillette Communications, which publishes *WWD*. "The addition of the energy recovery station was an innovative way to combat the high water pressure conditions."

The majority of the project is expected to be fully operational by February, according to Cornett. For a complete list of *WWD* 2012 Top Project winners and information about individual projects, visit <http://www.wwdmag.com/2012-top-water-wastewater-projects>.

More About *Water & Wastes Digest*

Water & Wastes Digest is the preeminent source of information in the water and wastewater industries. Published monthly exclusively for those in the municipal and industrial water, wastewater and water pollution industries, the publication's editorial mission is to provide unique, comprehensive content that covers timely news, water and wastewater industry trends, technical solutions and best practices. In 2012, *WWD* celebrated the sixth year of the Top Project Program.

More About WCSA

The WCSA serves approximately 21,500 water connections and approximately 1,500 wastewater connections in Washington County, Va., and surrounding areas. The water system consists of approximately 900 miles of water line, a 6.6-million-gallon-per-day surface water treatment plant, a 2.5-million-gallon-per-day membrane filtration plant, two springs, one well, multiple pump stations and 17 water storage tanks. The wastewater system consists of approximately 70 miles of wastewater collection lines, 27 lift stations and two wastewater treatment plants. For more information about WCSA, visit www.wcsawater.com.

For additional information, contact Robbie Cornett,
general manager, at 276-628-7151, ext. 224.

MARK R. WARNER
VIRGINIA



UNITED STATES SENATOR
WASHINGTON, D.C.
January 22, 2013

Mr. Robbie Cornett
General Manager Washington County Service Authority
25122 Regal Drive
Abingdon, VA 24211

Dear Mr. Cornett,

I am pleased to extend my warmest congratulations to the Washington County Service Authority upon being recognized by Water & Wastes Digest.

The Authority's South Fork intake and Middle Fork water treatment plant expansion project has been recognized as one of the top ten water and wastewater projects for 2012. This honor recognizes that your commitment to providing reliable service has made a lasting impact on the community. When our country faces challenges, society relies upon role models to inspire success and create hope. Leaders provide the structure and organization to which others can aspire. I know your work will inspire others to exhibit the same leadership qualities that have enabled you to be successful.

On this important occasion, I am very pleased to join with your staff, friends and community in saluting the Authority's accomplishments and wishing you the very best in your future endeavors.

Sincerely,

A handwritten signature in black ink that reads "Mark R. Warner". The signature is fluid and cursive, with the first letters of each name being capitalized and prominent.

MARK R. WARNER
United States Senator

Item number

2a

26

[illegible]

We recommend Empire Ford for the purchase of all our vehicles this fiscal year.
**** \$22,000 Budgeted**

Opened By:

Karen Lester

Witnessed By:

Kim Harold

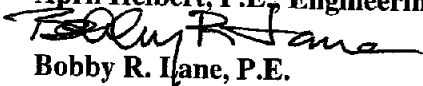
Date:

1/23/2013

MEMORANDUM

Date: January 28, 2013

To: Robbie Cornett, General Manager
April Helbert, P.E., Engineering Manager

From: 
Bobby R. Lane, P.E.

RE: Washington County Service Authority
Mendota Water Project
Award Recommendation

The Bid opening for the referenced project was held at 2:00 p.m. on Tuesday, January 15, 2013 at the Authority's office. Detailed bid tabulation sheets will be contained in the Minutes of the Bid Opening. The three (3) lowest bidders are as follows:

BIDDER	BASE BID
Crosspointe Construction	\$149,599.50
Tipton Construction	\$162,523.00
Little "B" Enterprises	\$172,099.00

It is our recommendation that the Project be awarded to Crosspointe Construction, Inc. pending review and concurrence by the Authority's Legal Counsel and Funding Agency.

If you have any questions, please let us know. Thank you for the opportunity to serve the Authority.

END OF MEMORANDUM