



COMMONWEALTH of VIRGINIA

DEPARTMENT OF HEALTH

OFFICE OF DRINKING

WATER

Richmond Field Office

Karen Shelton, MD
State Health Commissioner

Madison Building
109 Governor St., 6th Floor
Richmond, VA 23219
Phone: 804-864-7409
Fax: 804-864-7520

TO: File

FROM: James Reynolds, PE *JK*

SUBJECT: LOUISA COUNTY
Louisa County Water Authority- Final Inspection of Construction (PWSID 2109510)

DATE: August 19, 2025

On August 12, 2025, RFO conducted a final inspection of construction for the installation of new sludge collection systems in each sedimentation basin and plate settlers at the end of both sedimentation basins at Louisa County Water Authority's Northeast Creek Water Treatment Plant (Construction Permit No. 401523). A letter of substantial completion was received on July 24, 2025.

ODW staff found the construction to be in substantial conformance with approved plans and specifications. The two sludge collectors appeared to be installed and functional. The operators indicated they are working to optimize frequency of operation of the collectors due to the small size of the sedimentation basins and the amount of water that goes through the collection system when in operation. The plate settlers and associated applied water collection trough appeared to be installed and functional. A doghouse manhole was also constructed to collect sludge discharged from the sludge collectors.

The operation permit will be updated to include the newly constructed facilities. A draft permit will be provided for review prior to issuance of the permit.

Ec: Louisa County Health Department
Louisa County Administrator



Sludge Collection Pulley Motor



Sludge Collection Control Panel



Plate Settlers and Collection Trough (to filters)





Dewberry Engineers Inc.
4805 Lake Brook Drive, Suite 200
Glen Allen, VA 23060-9278 | 804.290.7957
804.290.7928 fax
www.dewberry.com

July 24, 2025

Virginia Department of Health
Office of Drinking Water
Richmond Field Office
Attn: James Reynolds
Madison Building
109 Governor St., 6th Floor
Richmond, VA 23219

RE: Northeast Creek WTP (PWSID 2109510) Sedimentation Basin Improvements Project – Letter of Final Completion; Waterworks Construction Permit No. 401523

Dear Mr. Reynolds,

This letter is to notify you that the Northeast Creek Water Treatment Plant Sedimentation Basin Improvements Project (Waterworks Construction permit # 401523) has been completed. The project was completed in accordance with the approved project documents.

Please feel free to contact me if you have any questions: 804-205-3346.

Sincerely,

A handwritten signature in blue ink that reads "Brett Heim".

Brett Heim, PE
Dewberry
Senior Project Manager

CC: Pam Baughman, LCWA; Cody Langridge, LCWA; Dan Villhauer, Dewberry



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July 24, 2025

Waco, Inc.
Attn: Matt Moore
5450 Lewis Road
Sandston, VA 23150

RE: WA-24-09 Northeast Creek Water Treatment Plant Sedimentation Basin Improvements; Issuance of Final Completion

Dear Mr. Moore,

As outlined in General Conditions Article 15.05 and 15.06, Louisa County Water Authority and Dewberry acknowledge that Waco has fulfilled all contractual obligations for the Northeast Creek Water Treatment Plant Sedimentation Basin Improvements Project and grants Waco, Inc. Final Completion.

Please let me know if you have any questions or concerns.

Sincerely,

A handwritten signature in blue ink that reads "Brett Heim".

Brett Heim, PE

Dewberry Project Manager

CC: Pam Baughman, LCWA; Cody Langridge, LCWA; Dan Villhauer, Dewberry