



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
KNOXVILLE ENVIRONMENTAL FIELD OFFICE

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August 31, 2018

Mr. George Coots, General Manager
Claiborne Utilities District
P.O. Box 606
New Tazewell, TN 37824

RE: **Compliance Evaluation Inspection**
Claiborne Utilities District (CUD)
NPDES Permit No. TN0005622
Claiborne County

Dear Mr. Coots:

On August 14, 2018, personnel from the Division of Water Resources (DWR) visited the Claiborne Utilities District Water Treatment Plant (WTP) and performed a Compliance Evaluation Inspection (CEI) of the filter backwash water. The inspection consisted of a records review to document the operational performance of the system and an on-site inspection of the facility. The Division would like to thank CUD staff for their courtesy, willingness to work with the Division, and timely responses to Division requests.

As a result of the inspection the following comments, deficiencies, and/or recommendations have been noted:

1. Site Review

The Claiborne Utilities District WTP utilizes conventional filtration with a design capacity of 2.5 MGD and was operational at the time of inspection. Backwash water from the plant is sent to one of two lagoons where the water is allowed to settle. When full, the lagoons discharge to Ball Creek.

2. Records & Reports

The NPDES permit, which expires in 2020, requires the CUD plant to grab sample once a month for Total Suspended Solids (TSS), pH, Aluminum, Iron, Settleable Solids, and total chlorine residual during times of discharge to Ball Creek. A review of the Discharge Monitoring Reports (DMRs) back to April 2016 revealed the occurrence of only one permit limit violation for Total Aluminum in April 2017. The value was only slightly elevated and follow-up sampling yielded results well below the permit limit of 0.75 ppm.

3. Sludge Handling

The lagoons are not currently in need of cleaning. The utility has the option to dispose of sludge in an approved landfill or spread the water plant sludge on an approved land application site. The site and sludge application must be for beneficial land use but not for construction purposes. Please contact Division personnel for additional assistance and/or approval of sites.

General Observations, Comments, and/or Other Recommendations

It was noted that all records were well organized and available for review and NPDES signage requirements are being met in accordance with the permit. Furthermore, the Claiborne Utilities District WTP is implementing Method Update Rule (MUR) requirements for laboratory processes.

Again, I would like to thank facility personnel for their assistance and courtesy. If you have any questions or need additional information, please contact me at the Knoxville Environmental Field Office. My telephone number is (865) 594-5513.

Sincerely,



Greg Mize, Environmental Consultant
Knoxville Environmental Field Office
Division of Water Resources

cc: DWR, Nashville Central Office (e-copy)