



**STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

Division of Water Resources
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October 22, 2019

William Dunnill, General Manager
Consolidated Utility District of Rutherford County
P.O. Box 249
Murfreesboro TN, 37133

RE: Compliance Evaluation Inspections

CUDRC, Griffith Park
Permit #SOP-16001, and
CUDRC, Autumn Glen
Permit #SOP-00024
Rutherford County

Dear Mr. Dunnill,

On October 8th, 2019, I performed a Compliance Evaluation Inspection on the treatment facilities for the Griffith Park subdivision for compliance with State Permit SOP-16001, which became effective on May 1, 2016, and expires April 30, 2021. I also inspected the treatment facilities for the Autumn Glen subdivision, operating under State Permit SOP-00024 which became effective on December 1, 2015, and will expire on November 30, 2020.

I met with Mark Wood during the inspection. I would like to thank Mr. Wood for his time and courtesy shown while on site.

Permit and Records Review

Records are maintained at Consolidated Utility District of Rutherford County's (CUDRC) main office. Copies of quarterly reports and lab data were provided via e-mail on October 14. No effluent violations were observed for either facility, and sampling is occurring at the required frequencies for each parameter. Quarterly reports were compared to the files on record with the Division of Water Resources, and I found no discrepancies. Reports are submitted on time.

Copies of the Operations and Maintenance (O&M) logs were provided in the same e-mail. Records for both facilities show that they are being visited on a monthly basis, which meets the O&M schedule which has been submitted to and approved by the Division.

Site Review

The grounds around the filter tanks are sufficiently vegetated with no woody growths, and there were no observable indications of leaks. I observed pumps and wet wells at both facilities. There were no signs of corrosion or other problems. Griffith Park is still under construction. One filter is installed and in use, but a second filter is nearing completion. Effluent passes through UV disinfection and disc filters. The effluent was clear and free of solids and odors.

Autumn Glen is an older facility and is capped with pea gravel. There was some vegetation growing, which Mr. Woods says is removed routinely. He also indicated that CUDRC is systematically re-capping all of its older filters with limestone gravel. A sewage odor was noticeable, and I found that several small portions of the distribution piping in the filter were uncovered. Mr. Woods explained that the vibration from the valve operation can cause the pea gravel to shift. He re-covered the piping while I was on site. If this is a common problem, older systems still capped with pea-gravel may need to be checked more often than monthly, with the condition of the cap being given particular attention. The effluent was observed, and it appeared clear and free of solids or odors.

I observed each drip field for wet or greasy spots and noticed none. All fields are properly signed and fenced, and each one has reserve capacity.

Conclusions:

Both the Griffith Park and Autumn Glen facilities are well-maintained and operated, providing a sufficiently clean effluent to the drip fields for final disposal.

Action Items and Recommendations

I would like to thank Mr. Wood again for his courtesy and cooperation shown during these inspections. No corrective actions are required at this time. If you have any questions or concerns, please contact me at 615-687-7114 or Jordan.Fey@tn.gov

Sincerely,



Jordan M. Fey
Environmental Consultant
Division of Water Resources

e-copy: Joe Fisher, Wastewater Foreman, jfisher@ cudrc.com