COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
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Molly Joseph Ward
Secretary of Natural Resources

David K. Paylor
Director

Michael P. Murphy
Regional Director

STATE WATER CONTROL BOARD
ENFORCEMENT ACTION – AMENDMENT TO ORDER BY CONSENT
ISSUED TO
GREENSVILLE COUNTY WATER & SEWER AUTHORITY
FOR
THREE CREEK SEWAGE TREATMENT PLANT
VPDES Permit No. VA0077259

SECTION A: Purpose

This is an Amendment of an Order by Consent (Amendment) issued under the authority of Va. Code § 62.1-44.15, between the State Water Control Board (Board) and Greensville County Water and Sewer Authority, regarding the Three Creek Sewage Treatment Plant, for the purpose of revising certain provisions of the Order by Consent (Order) issued by the Board to Greensville County Water and Sewer Authority on March 20, 2013, and for the purpose of resolving certain violations of the State Water Control Law and the Permit and Regulation.

SECTION B: Basis for Amendment

1. Greensville County Water and Sewer Authority (GCWSA) owns and operates the Three Creek Sewage Treatment Plant (Plant) in Greensville County, Virginia. The Permit allows GCWSA to discharge treated sewage and other municipal wastes from the Plant to Three Creek in strict compliance with the terms and conditions of the Permit.

2. The Board entered into a Consent Order with GCWSA effective March 20, 2013 to address exceedances of copper and zinc Permit effluent limitations.

3. GCWSA has completed the requirements of the Order and the Plant can now meet Permit effluent limits for zinc, however compliance with copper limits has not been achieved.

4. On January 30, 2014, the Department issued a Notice of Violation (NOV) to GCWSA for failure to meet copper Permit limits in November and December of 2013 and total kjeldahl nitrogen (TKN) effluent limits in December 2013.

5. On March 7, 2014, the Department met with representatives of the GCWSA to discuss the NOV. GCWSA stated that since magnesium hydroxide is in use as a treatment system for metals, the sampling data for hardness at the treatment plant indicates that the copper limitations in the Permit may need amending. In addition, GCWSA stated that, as another option, it would like to pursue a water effect ratio procedure for discharges of copper. GCWSA determined, and the Department agreed, that the TKN violation was an isolated exceedance due to cold weather and further injunctive relief is not required.

SECTION C: Agreement and Order

Accordingly, by virtue of the authority granted it in Va. Code §§ 62.1-44.15, the Board orders GCWSA, and GCWSA agrees to:

Perform the actions described in Appendices A and B of this Amendment, which supersede and cancel only Appendix A and B of the Order. Both the Board and GCWSA understand and agree that this Amendment does not alter, modify or amend any other provision of the Order and that the unmodified provisions of the Order remain in effect by their own terms.

And it is so ORDERED this _____ day of _____, 2014.

_____
Michael P. Murphy, Regional Director
Department of Environmental Quality

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Greensville County Water and Sewer Authority voluntarily agrees to the issuance of this Order.

Date: 5/20/14 By: [signature] Director
(Person) (Title)
Greensville County Water and Sewer Authority

Commonwealth of Virginia
City/County of Greensville

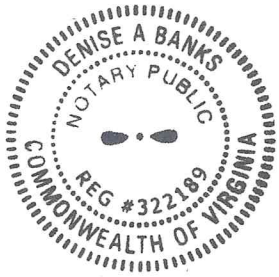
The foregoing document was signed and acknowledged before me this 19th day of May, 2014, by K. David Whittington who is Director of Greensville County Water and Sewer Authority, on behalf of the Authority.

Denise A. Banks, MMC
Notary Public

322189
Registration No.

My commission expires: May 31, 2018

Notary seal:



APPENDIX A
SCHEDULE OF COMPLIANCE

Greensville County Water and Sewer Authority shall:

1. Collect a total of 60 samples from the Plant and monitor them for hardness. Monitoring must be conducted according to test procedures approved under 40 CFR part 136.

2. On or before July 1, 2014, submit to the Department for review and approval a Water Effect Ratio (WER) study plan and implementation schedule for discharges of copper at the Facility. The plan should be drafted in accordance with EPA's *Streamlined Water-Effect Ratio Procedure for Discharges of Copper* (EPA-822-R-01-005).

3. Within 30 days of Department approval, implement the WER procedure for discharges of copper.

4. On or before November 30, 2014, submit to the Department the results of the WER, the hardness sampling results, and a completed application for a modification to the Permit copper limits.

5. Within 30 days of receiving a modified Permit comply with the adjusted effluent limit for copper.

6. On the 15th of the month, submit a monthly update to the Department on the progress of the WER and data collection.

APPENDIX B

INTERIM EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

From the effective date of this Order Amendment until completion of the corrective action requirements contained in Appendix A and the issuance of the modified Permit, GCWSA shall monitor and limit the discharge from Outfall No. 001 of the Plant in accordance with VPDES Permit Number VA0077259, except as specified below. These interim limits shall retroactively apply, if applicable, as of the first day of the month in which this Order is signed by GCWSA.

Parameter Limits

Total Copper	**Monthly Average Concentration 0.016 mg/L**	**Weekly Average Concentration 0.016mg/L**