



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

W. Tayloe Murphy, Jr.
Secretary of Natural Resources

Northern Virginia Regional Office
13901 Crown Court
Woodbridge, VA 22193-1453
(703) 583-3800 fax (703) 583-3801
www.deq.state.va.us

Robert G. Burnley
Director

Jeffery A. Steers
Regional Director

**STATE WATER CONTROL BOARD ENFORCEMENT ACTION
AMENDMENT TO
SPECIAL ORDER BY CONSENT
ISSUED TO
STAFFORD COUNTY BOARD OF SUPERVISORS
FOR
AQUIA ADVANCED WASTEWATER TREATMENT FACILITY
VPDES PERMIT NO. VA0060968**

SECTION A: Purpose

This is an Amendment to a Consent Special Order ("Amendment") issued under the authority of Va. Code § 62.1-44.15(8a) by the State Water Control Board to the Stafford County Board of Supervisors ("County"), for the purpose of revising certain provisions of that Consent Special Order ("Order") issued by the State Water Control Board to the County regarding the Aquia Advanced Wastewater Treatment Facility ("WWTF") on April 1, 2002.

SECTION B: Basis for Amendment

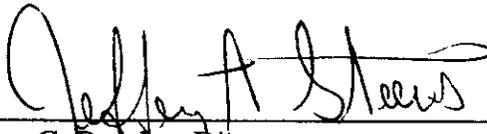
1. In relevant part, the Order required that the County complete construction of the upgrade of the WWTF within 25 months of the beginning of construction (May 1, 2005) and achieve compliance with final Permit limits within 90 days of completing construction of the upgrade.
2. The County issued its original Notice to Proceed with construction on April 1, 2003. The County installed a second sludge dewatering centrifuge in January 2004 and an additional treatment train was completed and accepted on October 15, 2004. Mechanical problems related to the new treatment train necessitated taking the train out of service on at least two occasions and the original treatment train was placed back in service. Specific problems encountered with the new treatment train included: air-binding of the influent line; a cable breaking on the clarifier sludge collector arm, and; blowers failing to turn on or tripping out. The County has been reluctant to take the original treatment train out of service for rehabilitation until recently. The new treatment train is currently in service and has recently performed very well, and the County is not only meeting the interim limits of the Consent Special Order, but also all Permit limits, except *E. coli*.

3. In April, May, June, and July 2005, the County exceeded the Permit limit for *E. coli*. In its DMR letter, dated May 6, 2005, the County stated that it was working to correct the problem by installing additional ultraviolet (UV) lamps or upgrading the entire UV disinfection system. The County had tested for *E. coli* for the two previous years with no problems. A subsequent letter from the County dated June 16, 2005 stated that trough 2 of the disinfection system was the only one to exceed the Permit limit and the County had taken it out of service to determine the effect on the final *E. coli* results.
4. Therefore, the State Water Control Board and the County agree that it is appropriate to amend the Order as described below.

SECTION C: Agreement and Order

Accordingly, the State Water Control Board, by virtue of the authority granted it in §62.1-44.15(8a), orders the County and the County agrees to perform the actions described in Appendix A and Appendix B of this Amendment, which supercede Appendix A and Appendix B of the April 1, 2002 Order. The Board expects that the County adhere to the fecal coliform limit described in Appendix B and modify treatment procedures and/or upgrade the facility as necessary to meet the *E. coli* limit described in VPDES Permit No. VA0060968. Both the State Water Control Board and the County understand and agree that this Amendment does not alter, modify, or amend any other provision of the 2002 Order and that unmodified provisions of the 2002 Order remain in effect by their own terms.

And it is so ORDERED this 12th day of December, 2005.



Robert G. Burnley, Director
Department of Environmental Quality

The Stafford County Board of Supervisors voluntarily agrees to the issuance of this Amendment.

By: Steve Cosby
Title: County Administrator
Date: 9/21/05

Commonwealth of Virginia
County of Stafford

The foregoing document was signed and acknowledged before me this 21st day of September, 2005, by STEVE CROSBY, who is
(name)

County Administrator of the Stafford County Board of Supervisors, on behalf of the Stafford County Board of Supervisors.

Eleanor Husman
Notary Public

My commission expires: 10/31/06

**APPENDIX A
COMPLIANCE REQUIREMENT**

The County shall:

1. Within thirty (30) days from the effective date of this Amendment, submit a plan and schedule to implement measures to meet *E. coli* limits to DEQ NVRO for review and approval. Upon approval by DEQ NVRO, the plan and schedule shall become a part of and enforceable under the terms of this Amendment. The plan and schedule must include, but is not limited to all procedural modifications and/or facility upgrades necessary to meet *E. coli* Permit limits, as well as a date by which compliance with *E. coli* Permit limits will be obtained.

2. Operate the WWTF in a workman-like manner in order to produce the best quality effluent of which the WWTF is capable and continue to work towards meeting *E. coli* limits by modifying treatment methods and/or upgrading the facility UV system as necessary.

APPENDIX B

INTERIM EFFLUENT LIMITATION AND MONITORING REQUIREMENT

AQUIA ADVANCED WASTEWATER FACILITY

During the period beginning with the effective date of the Amended Order and lasting until completion of the corrective action referenced in Appendix A, in accordance with the schedule approved by DEQ NVRO, the County shall monitor and limit the discharge from the WWTF in accordance with VPDES Permit No. VA0060968, except as specified below.

PARAMETER	DISCHARGE LIMITATION	MONITORING REQUIREMENT	
	<u>Monthly Average</u>	<u>Frequency</u>	<u>Sample Type</u>
Fecal Coliform	200 N/CML	1/D	Grab
<i>E. coli</i>	NL	1/D	Grab

N/CML = Number of Colonies per 100 milliliters

1/D = Once a Day

Grab = An individual sample collected in less than fifteen minutes

NL = No Limit