



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

PIEDMONT REGIONAL OFFICE
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Secretary of Natural Resources

August 8, 2017

Jason E. Williams
Manager, Generation Environmental Services
Chesterfield Power Station
Transmitted via email: Jason.E.Williams@dominionenergy.com

Re: Notice of Planned Change – Beneficial Reuse of Ammoniated Water in the Metals Treatment Basin
VPDES Permit VA0004146 – Chesterfield Power Station

Dear Mr. Williams:

The DEQ received your Notice of Planned Change letter dated July 27, 2017, regarding the proposed beneficial reuse of ammoniated water to compliment current methods of pH adjustment in the Metals Cleaning Waste Treatment Basin (MCWTB). It is understood that approximately 1,600 gallons of ammoniated water are generated annually during maintenance of the ammonia injection system associated with the Selective Catalytic Reduction technology at the facility.

We have no objection to the proposed use of the ammoniated water as pH in the MCWTB and the discharge of the comingled wastewater through Outfall 401 to the Lower Ash Pond and subsequently through Outfall 004. Given the total volume of ammoniated water generated annually as compared to the total volumes of the MCWTB and Lower Ash Pond, the discharge of the comingled wastewater is not expected to alter the characteristics of the effluent at Outfall 004.

Nothing in this letter relieves Dominion from the responsibility to comply with the requirements set forth in VPDES Permit No. VA0004146 or from adhering to the Virginia Water Quality Standards (9VAC25-260).

Please contact Joseph Bryan at (804) 527-5012 or via email at Joseph.Bryan@deq.virginia.gov if you have any questions.

Sincerely,



Kyle Ivar Winter, P.E.
Deputy Regional Director

cc: Heather Deihs, DEQ-PRO
Azra Bilalagic, DEQ-PRO
Kenneth Roller, Dominion

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AUG 01 2017



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July 27, 2017

Mr. Joseph B. Bryan
DEQ – Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

RE: Dominion Energy - Chesterfield Power Station VPDES Permit No. VA0004146:
Notice of Planned Change

Dear Mr. Bryan:

Dominion Energy is submitting this notice of planned change concerning placement of ammoniated water in the Chesterfield Power Station's Metals Cleaning Waste Treatment Basin (MCWTB). Ammoniated water is generated during maintenance of the ammonia injection system associated with the Selective Catalytic Reduction (SCR) technology. Approximately 1,600 gallons of ammoniated water are generated annually. The water has an elevated pH and, therefore, would complement our current metals cleaning waste treatment method, which utilizes lime and concrete washout water to increase the pH and precipitate metals. Beneficial reuse of concrete washout water for pH adjustment in the MCWTB was approved by DEQ in December 2015.

The MCWTB discharges through internal Outfall 401 to the Lower Ash Pond, which discharges to Farrar Gut through Outfall 004. The volume of ammoniated water generated is very small when compared to the MCWTB and Lower Ash Pond volumes and consequently, placement of the water in the MCWTB is not expected to significantly alter the effluent characteristics Outfall 004. We are requesting DEQ concurrence that transfer of the ammoniated water to the MCWTB is allowable under the station's VPDES permit.

Please let us know if you have questions or require additional information for your review/approval of this beneficial re-use request by contacting Ian Whitlock of Dominion Energy at 804-273-2991.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely

A handwritten signature in black ink, appearing to read "Jason E. Williams", written over a horizontal line.

Jason E. Williams, P.G.
Manager, Generation Environmental Services

Enclosure