

VIA E-Mail
RETURN RECEIPT REQUESTED

September 22, 2017

Ms. Beverley Carver
Department of Environmental Quality
Valley Regional Office
4411 Early Road
Harrisonburg, VA 22801

RE: Dominion Breomo Power Station VA0004138
Weekly Discharge Monitoring and Site Activity Report

Ms. Carver:

Dominion is submitting this letter in accordance with Part I.A.9.h. of the subject permit. Information related to discharge sampling activities for Outfall 504 conducted during the week of September 10 - September 16, 2017 is included on the enclosed Weekly Compliance Sampling Summary. There was no discharge from Outfalls 501, 502, 503, or 505 during this period. In addition to the Weekly Compliance Sampling Summary, this submission includes a status report summarizing the activities related to the CCR Surface Impoundment Closure.

If you have any questions or need additional information, please contact Rick Woolard at 434-581-6225.

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,



Greg Searcy
Manager, Operations and Maintenance

WEEKLY COMPLIANCE SAMPLING SUMMARY

Facility Name: Bremono Power Station

Sample Week: 9/10/17 - 9/16/17

Permit Number: VA0004138

Report Due Date: September 22, 2017

Outfall Number: 504

				Sample Date	09/10/2017	09/12/2017	ND
				Analytical Report Date	09/20/2017 ¹	09/18/2017	ND
Parameter	Units	Permit QL	Daily Maximum Limitation	Result	Result	Result	
Estimated Flow	MGD	-	-	0.524	0.650	0.000	
pH	S.U.	NA	9.0	7.55	7.31	ND	
Total Suspended Solids	mg/L	1.0	100.0	< QL	1.3	ND	
Oil & Grease	mg/L	5.0	20.0	< QL	< QL	ND	
Antimony, Total Recoverable	ug/L	5.0	2,100	< QL	< QL	ND	
Arsenic, Total Recoverable	ug/L	5.0	530	< QL	5.6	ND	
Cadmium, Total Recoverable	ug/L	1.0	3.2	< QL	< QL	ND	
Chromium III, Total Recoverable	ug/L	5.0	220	< QL	< QL	ND	
Chromium VI, Total Recoverable	ug/L	5.0	34	< QL	< QL	ND	
Copper, Total Recoverable	ug/L	5.0	23	< QL	< QL	ND	
Lead, Total Recoverable	ug/L	5.0	35	< QL	< QL	ND	
Mercury, Total Recoverable	ug/L	0.1	2.8	< QL	< QL	ND	
Nickel, Total Recoverable	ug/L	5.0	57	6.2	8.3	ND	
Selenium, Total Recoverable	ug/L	5.0	18	< QL	< QL	ND	
Silver, Total Recoverable	ug/L	0.4	5.0	< QL	< QL	ND	
Thallium, Total Recoverable	ug/L	1.0	1.4	< QL	< QL	ND	
Zinc, Total Recoverable	ug/L	25	210	< QL	< QL	ND	
Chloride	mg/L	10	820	60.7	60.3	ND	
Ammonia-N	mg/L	0.20	14	< QL	< QL	ND	
Hardness	mg/L	NA	NL	299	318	ND	

Notes:

pH values must remain between a minimum of 6 S.U. and a maximum of 9 S.U. pH values are measured in the field.
 Analytical results below the permit Quantification Level (QL) are to be reported as "<QL," as required in Section I.C.2 of the Permit
 QL = Quantification Level
 NA = Not Applicable
 NL = No Limitation, monitoring required
 ND = No Discharge during monitoring period

¹A contract is in place to receive results for parameters identified in the VPDES permit with a monitoring frequency of "3/wk" within four business days of taking the sample. The original analytical report for the 9/10/2017 sampling event was received on 9/15/2017. Due to inclement weather-related lab closures, a revised report was issued on 9/20/2017.

Dominion – Bremono Power Station

CCR Impoundment Closure Project

Weekly Status Report

Activities for the Week Ending: 9/16/2017

- 1.18 MG Centralized Source Water Treatment System (CSWTS)-treated water was discharged via Outfall 002.
- 0.44 MG Stormwater Management Pond water was filtered and discharged via Outfall 002.
- No Metals Pond sediment dewatering water was pumped to the CSWTS.
- The Fluvanna County E&S inspector visited the site on 9/12 and found no issues.
- Results of the monthly chronic whole effluent toxicity test with fathead minnows yielded a TUC for growth higher than the permit limit. Examination of the test data indicate that the effect on fish growth resulted from the presence of a pathogen and was not due to effluent toxicity. The project stopped discharge upon receiving the test results and DEQ was notified by phone and by follow-up email. Additional tests are being conducted to evaluate the presence of a pathogen. The results of these test will be provided to DEQ when they are available.

Ongoing Activities

- Transport of material from the East Pond to the North Pond.
- Pumping of Metals Pond sediment dewatering water to the CSWTS.
- Installation of wells and headers in the North and East Ponds.
- Pumping of water (filtered) from the Stormwater Management Pond to Outfall 002.
- Discharge of CSWTS-treated water to Outfall 002.
- Confirmation of no discharge at Outfall 004.

Look Ahead

- Demolition of the concrete basin adjacent to the Outfall 004 concrete vault and the steel pipeline that ends at the concrete basin.
- Demolition of the Outfall 004 concrete vault, which contains the outfall's weir. Decommissioning of the weir will constitute retirement of the outfall.
- Sealing of the steel pipe that exits the Outfall 004 vault.
- Provide notification to DEQ within 7 days of Outfall 004 retirement in accordance with Condition I.G.20 of the VPDES permit. This notification will be made within 7 days of decommissioning the outfall weir as described above.