

**VIA E-Mail**  
**RETURN RECEIPT REQUESTED**

December 6, 2017

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

**RE: Dominion Bremo 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 November 26 – December 2, 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 Project and the November Enhanced Metals Treatment Log.

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,



Gregory J. Searcy  
Manager, Operations & Maintenance, Bremo Power Station

**WEEKLY COMPLIANCE SAMPLING SUMMARY**

Facility Name:

Bremo Power Station

Sample Week: 11/26/17 - 12/2/17

Permit Number:

VA0004138

Report Due Date: December 8, 2017

Outfall Number:

504

				Sample Date	11/26/2017	11/28/2017	12/01/2017
				Analytical Report Date	12/05/2017 <sup>1</sup>	11/29/2017	12/05/2017
Parameter	Units	Permit QL	Daily Maximum Limitation	Result	Result	Result	Result
Estimated Flow	MGD	-	-	0.686	0.694	0.224	
pH	S.U.	NA	9.0	7.5	7.4	7.4	
Total Suspended Solids	mg/L	1.0	100.0	< QL	< QL	< QL	
Oil & Grease	mg/L	5.0	20.0	< QL	< QL	< QL	
Antimony, Total Recoverable	ug/L	5.0	2,100	< QL	< QL	< QL	
Arsenic, Total Recoverable	ug/L	5.0	530	5.8	< QL	< QL	
Cadmium, Total Recoverable	ug/L	1.0	3.2	< QL	< QL	< QL	
Chromium III, Total Recoverable	ug/L	5.0	220	< QL	< QL	< QL	
Chromium VI, Total Recoverable	ug/L	5.0	34	< QL	< QL	< QL	
Copper, Total Recoverable	ug/L	5.0	23	< QL	< QL	< QL	
Lead, Total Recoverable	ug/L	5.0	35	< QL	< QL	< QL	
Mercury, Total Recoverable	ug/L	0.1	2.8	< QL	< QL	< QL	
Nickel, Total Recoverable	ug/L	5.0	57	7.4	9.1	8.0	
Selenium, Total Recoverable	ug/L	5.0	18	< QL	5.1	< QL	
Silver, Total Recoverable	ug/L	0.4	5.0	< QL	< QL	< QL	
Thallium, Total Recoverable	ug/L	1.0	1.4	< QL	< QL	< QL	
Zinc, Total Recoverable	ug/L	25	210	< QL	< QL	< QL	
Chloride	mg/L	10	820	87.0	128	125	
Ammonia-N	mg/L	0.20	14	< QL	< QL	< QL	
Hardness	mg/L	NA	NL	261	297	302	

**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

<sup>1</sup>A 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 11/26/2017 sampling event was received on 11/29/2017. Due to a laboratory reporting error, a revised report was issued on 12/05/2017.

**Dominion – Bremo Power Station**

**CCR Impoundment Closure Project**

**Weekly Status Report**

**Activities for the Week Ending: 12/2/2017**

- 2.25 MG Centralized Source Water Treatment System (CSWTS)-treated water was discharged via Outfall 002.
- 0.55 MG Stormwater Management Pond water was filtered and discharged via Outfall 002.

**Ongoing Activities**

- Temporary rain cover and “Wind Defender” cover installation in the North Pond.
- Transport of material from the East Pond to the North Pond.
- 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.

## Brems Power Station

Enhanced Metals Treatment Log 2017			
Date	ON (Time)	OFF (Time)	Reason(s) for Enhanced Treatment Activation
1-Nov		X	
2-Nov	06:40	18:45	<i>EMT ON 6:40 due to the selenium trigger value being reached at the end of the prior day. EMT OFF 18:45 due to CSWTS being shut down for the night.</i>
3-Nov	07:25	14:56	<i>EMT ON 07:25 upon CSWTS startup at beginning of day shift. EMT OFF 14:56 after all parameters were below trigger values for three consecutive process samples.</i>
4-Nov		X	
5-Nov		X	
6-Nov	14:35	18:42	<i>EMT ON 14:35 due to the selenium trigger value being reached. EMT OFF 18:42 due to CSWTS being shut down for the night.</i>
7-Nov	07:19	18:46	<i>EMT ON 7:19 upon CSWTS startup at beginning of day shift. EMT OFF 18:46 due to CSWTS being shut down for the night.</i>
8-Nov	07:18	18:46	<i>EMT ON 7:18 upon CSWTS startup at beginning of day shift. EMT OFF 18:46 due to CSWTS being shut down for the night.</i>
9-Nov	06:30	18:47	<i>EMT ON 6:30 upon CSWTS startup at beginning of day shift. EMT OFF 18:47 due to CSWTS being shut down for the night.</i>
10-Nov	06:30	18:02	<i>EMT ON 6:30 upon CSWTS startup at beginning of day shift. EMT OFF 18:02 due to CSWTS being shut down for the night.</i>
11-Nov	06:45	18:42	<i>EMT ON 6:45 upon CSWTS startup at beginning of day shift. EMT OFF 18:42 due to CSWTS being shut down for the night.</i>
12-Nov	07:22	18:40	<i>EMT ON 7:22 upon CSWTS startup at beginning of day shift. EMT OFF 18:40 due to CSWTS being shut down for the night.</i>
13-Nov	07:11	18:40	<i>EMT ON 7:11 upon CSWTS startup at beginning of day shift. EMT OFF 18:40 due to CSWTS being shut down for the night.</i>
14-Nov	07:11	18:44	<i>EMT ON 7:11 upon CSWTS startup at beginning of day shift. EMT OFF 18:44 due to CSWTS being shut down for the night.</i>
15-Nov	06:30	14:29	<i>EMT ON 6:30 upon CSWTS startup at beginning of day shift. EMT OFF 14:29 due to CSWTS being shut down for the night.</i>
16-Nov	07:15	18:44	<i>EMT ON 7:15 upon CSWTS startup at beginning of day shift. EMT OFF 18:44 due to CSWTS being shut down for the night.</i>
17-Nov		X	
18-Nov		X	
19-Nov		X	
20-Nov	11:45	18:46	<i>EMT ON 11:45 due to the selenium trigger value being reached. EMT OFF 18:46 due to CSWTS being shut down for the night.</i>
21-Nov	07:25	18:40	<i>EMT ON 7:25 upon CSWTS startup at beginning of day shift. EMT OFF 18:40 due to CSWTS being shut down for the night.</i>
22-Nov	07:25	14:35	<i>EMT ON 7:25 upon CSWTS startup at beginning of day shift. EMT OFF 14:35 due to CSWTS being shut down for the night.</i>
23-Nov	07:15	13:45	<i>EMT ON 7:15 upon CSWTS startup at beginning of day shift. EMT OFF 13:45 due to CSWTS being shut down for the night.</i>
24-Nov	16:40	18:45	<i>EMT ON 16:40 due to the selenium trigger value being reached. EMT OFF 18:45 due to CSWTS being shut down for the night.</i>
25-Nov	07:25	18:49	<i>EMT ON 7:25 upon CSWTS startup at beginning of day shift. EMT OFF 18:49 due to CSWTS being shut down for the night.</i>
26-Nov	07:36	18:15	<i>EMT ON 7:36 upon CSWTS startup at beginning of day shift. EMT OFF 18:15 due to CSWTS being shut down for the night.</i>
27-Nov	07:30	18:35	<i>EMT ON 7:30 upon CSWTS startup at beginning of day shift. EMT OFF 18:35 due to CSWTS being shut down for the night.</i>
28-Nov	07:32	18:30	<i>EMT ON 7:32 upon CSWTS startup at beginning of day shift. EMT OFF 18:30 due to CSWTS being shut down for the night.</i>
29-Nov	07:59	18:31	<i>EMT ON 7:59 upon CSWTS startup at beginning of day shift. EMT OFF 18:31 due to CSWTS being shut down for the night.</i>
30-Nov	07:45	18:37	<i>EMT ON 7:45 upon CSWTS startup at beginning of day shift. EMT OFF 18:37 due to CSWTS being shut down for the night. Restart in the morning with EMT OFF due to all parameters being below trigger values for three consecutive process samples.</i>

Notes: On/Off times are approximate  
Pond water treatment normally operates from 7:00 am to 7:00 pm