



Beaver Valley Power Station  
200 State Route 3016  
P.O. Box 4  
Shippingport, PA 15077-0004

September 21, 2022  
L-22-217

eDMR for Electronic Submission

Department of Environmental Protection  
Bureau of Water Quality Management  
400 Waterfront Drive  
Pittsburgh, PA 15222

SUBJECT:

**Beaver Valley Power Station Discharge Monitoring Report (NPDES) Permit No. PA0025615**

Enclosed is the Amended June 2022 NPDES Discharge Monitoring Report (DMR) and Amended Outfall 004 Daily Effluent Monitoring Report in accordance with the requirements set forth in the site NPDES permit.

Flow values were incorrectly calculated for Outfall 004 in the month of June 2022. Corrected values are being submitted for this month. No other changes are being submitted with this amended report and a review of the data indicates no permit parameters were exceeded for the month.

Should you have any questions regarding the attached and enclosed documents, please direct them to James Harvey, at 724-682-7358.

Sincerely,

A handwritten signature in blue ink, appearing to read "MJE".

Matthew J. Enos \*  
General Plant Manager

IE 25  
IE 48  
NRR

\* ROBERT KRISTOPHEL, SIGNED AS NEW PLANT MANAGER

Beaver Valley Power Station, Unit Nos. 1 and 2  
L-22-217  
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Enclosure(s):

- A. Amended Monthly Discharge Monitoring Report
- B. Amended Outfall 004 Daily Effluent Monitoring Report

cc: Document Control Desk US NRC *(NOTE: No new US NRC commitments are contained in this letter.)*

**ENCLOSURE A**



**COMMONWEALTH OF PENNSYLVANIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**BUREAU OF CLEAN WATER**  
**DISCHARGE MONITORING REPORT (DMR)**

NAME: **ENERGY HARBOR NUCLEAR CORP**  
 ADDRESS: **168 E MARKET ST, AKRON OH, 44308-2014**  
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**  
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15077**  
 STAGE: **Final Effluent**

**PA0025615**  
 PERMIT NUMBER

**004**  
 OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **06/01/2022**  
 DMR Effective To: **06/30/2022**  
 Permit Expires: **10/31/2026**  
 Permit Application Due: **05/04/2026**  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2022	06	01	TO	2022	06	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Temperature (deg F) (00011)	Sample Measurement	***	***	***	***	***	80.9	°F	1/day	I-S
	Permit Requirement	***	***		***	***	110 Daily Max		1/day	I-S
pH (00400)	Sample Measurement	***	***	***	8.1	***	8.2	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Chromium, Total (01034)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	.2 Avg Mo	.2 Daily Max		1/week	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0035	.0038	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	1.0 Avg Mo	1.0 Daily Max		1/week	24-Hr Composite
Aluminum, Total (01105)	Sample Measurement	***	***	***	***	.16	.20	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	2.14	7.71	MGD	***	***	***	***	1/week	Calculation
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Calculation
	Facility Parameter Comments	Flow data for Outfall 004 was incorrectly calculated for the original DMR submission. Corrected flow values are being submitted with this amended report.								
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.07	.09	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.25 IMAX		1/week	Grab
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	< .03	.05	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.2 Avg Mo	.5 Daily Max		1/week	Grab
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)

## ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
Signed Cover Letter June 2022 Revised DMR.pdf	Cover Letter	2022-10-11T06:55:13-04:00	Cover letter for June 2022 DMR revision.
Revised 004 Daily Effluent June 2022 DMR.pdf	Daily Effluent Monitoring Form	2022-10-11T06:56:15-04:00	Revised 004 Daily Effluent Form with corrected flow values.
Daily Effluent Forms June 2022.pdf	Daily Effluent Monitoring Form	2022-07-27T13:27:52-04:00	
Chemical Additives Forms June 2022.pdf	Chemical Additives Usage Form	2022-07-27T13:28:29-04:00	
Cooling Water Intake Forms June 2022.pdf	Other	2022-07-27T13:28:59-04:00	Cooling Water Intake Forms
Cover Letter BVPS DMR June 2022.pdf	Cover Letter	2022-07-27T13:27:19-04:00	

## PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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## UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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## OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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## COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
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## SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER  scottYork13	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Scott York	TELEPHONE		DATE		
			(724)	508-8002	2022	10	12
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

**ENCLOSURE B**

**SUPPLEMENTAL REPORT  
DAILY EFFLUENT MONITORING**

3800-FM-BCW0435 3/2012

Facility Name: Beaver Valley Power Station  
Municipality: Shippingport Borough County: Beaver  
Watershed: 20-B  
Laboratories: TestAmerica, BVPS Lab

Month: 6 (select number) Year: 2022  
Permit No.: \_\_\_\_\_ Outfall: 004  
Renewal application due 180 days prior to expiration.  
This permit will expire on: October 31, 2026

Parameter			Flow	pH	TRC	Free Available Chlorine	Temperature	Total Aluminum	Total Chromium	Total Copper	Total Mercury	Total Zinc						
Stage			1	1	1	1	1	1	1	1	1	1						
Week	Day	Date	MGD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
				S.U.	mg/L	mg/L	°F	mg/L	mg/L	mg/L	mg/L	mg/L						
1	Sun	5/29/22																
	Mon	5/30/22																
	Tue	5/31/22																
	Wed	6/1/22	0.0															
	Thu	6/2/22																
	Fri	6/3/22																
	Sat	6/4/22	0.0															
2	Sun	6/5/22																
	Mon	6/6/22																
	Tue	6/7/22	0.0															
	Wed	6/8/22	0.0															
	Thu	6/9/22	0.0															
	Fri	6/10/22	0.0															
	Sat	6/11/22	0.0															
3	Sun	6/12/22	0.0															
	Mon	6/13/22	0.0															
	Tue	6/14/22	0.0															
	Wed	6/15/22	5.78	8.2	0.09	0.02	80.4	0.2		0.0038	<	0.0002						
	Thu	6/16/22					80.9	0.12		0.0032								
	Fri	6/17/22	3.85				80.1											
	Sat	6/18/22					59.1											
4	Sun	6/19/22	3.85	8.2	0.06	0.05	58.9											
	Mon	6/20/22					66.0											
	Tue	6/21/22	7.71				67.4											
	Wed	6/22/22																
	Thu	6/23/22	3.85				73.2											
	Fri	6/24/22	5.78				64.7											
	Sat	6/25/22																
5	Sun	6/26/22																
	Mon	6/27/22																
	Tue	6/28/22	3.85	8.1	0.06	<	64.2											
	Wed	6/29/22	3.85				72.3											
	Thu	6/30/22					76.2											
	Fri	7/1/22																
	Sat	7/2/22																
Statistics for DMR																		
Daily Minimum (Conc.):				8.1	0.06	<	0.02	58.9	0.12	0.0032	<	0.0002						
Daily Maximum (Conc.):				8.2	0.09		0.05	80.9	0.2	0.0038	<	0.0002						
Max Avg Weekly (Conc.):					0.06		0.05	75	0.16	0.0035	<	0.0002						
Avg Monthly (Conc.):					0.07	<	0.03	70.3	0.16	0.0035	<	0.0002						
Geometric Mean (Conc.):																		
Max Avg Weekly (Load):			5.3		4		2	10		0.2	<	0.01						
Avg Monthly (Load):			2.14		3	<	1	10		0.2	<	0.01						
Total Monthly (Load):			38.52		82	<	32	145		3	<	0.3						
Daily Minimum (Load):			0		2	<	0.6	10		0.2	<	0.01						
Daily Maximum (Load):			7.71		4		2	10		0.2	<	0.01						

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey  
Title: Senior Nuclear Specialist

License No.: \_\_\_\_\_  
Date: 9/20/2022