



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

January 23, 2025
L-25-018

eDMR for Electronic Submission

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

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

Enclosed are the December 2024 NPDES Discharge Monitoring Report (DMR), Chemical Additives Usage Forms, Daily Effluent Monitoring Forms, Cooling Water Intake Monitoring Forms, 4th Quarter 2024 DMR, 4th Quarter 2024 Daily Effluent Monitoring Forms, 2nd Half 2024 Stormwater DMR, 2nd Half 2024 Stormwater Daily Effluent Monitoring Forms, 2024 Stormwater Annual Report and 2024 Cooling Water Modification Statement in accordance with the requirements set forth in the site NPDES permit.

A review of the data indicates that no Part A NPDES effluent limits were exceeded during the monitoring period.

Should you have any questions regarding the enclosed documents, please direct them to Darren Bollman, at 724-682-7359.

Sincerely,

Robert J. Kristophel
Robert J. Kristophel (Jan 27, 2025 15:17 EST)
Robert Kristophel
General Plant Manager

IE25
IE48
NRR

Beaver Valley Power Station, Unit Nos. 1 and 2
L-25-018
Page 2

Enclosure(s):

- A. December 2024 DMR
- B. Chemical Additives Usage Forms
- C. Daily Effluent Monitoring Forms
- D. Cooling Water Intake Monitoring Forms
- E. 4th Quarter 2024 Discharge Monitoring Report
- F. 4th Quarter 2024 Daily Effluent Monitoring Forms
- G. 2nd Half 2024 Stormwater Sampling Discharge Monitoring Report
- H. 2nd Half 2024 Stormwater Daily Effluent Monitoring Forms
- I. 2024 Stormwater Annual Report
- J. 2024 Cooling Water Modification Statement

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

001
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2024	12	01	TO	2024	12	31	

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	***	***	***	***	74.2	***	°F	1/day	I-S
	Permit Requirement	***	***		***	***	110 Daily Max		1/day	I-S
pH (00400)	Sample Measurement	***	***	***	7.2	***	8.1	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	.03	.043	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	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	***	***	***	***	.0056	.0056	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Iron, Total (01045)	Sample Measurement	***	***	***	***	.83	1.1	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	***	***	***	***	.46	.68	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	34.1	39.7	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	< .05	.16	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.25 IMAX		1/week	Grab
Nalco H150M (51698)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	.034 Avg Mo	.034 Daily Max		1/week	24-Hr Composite
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	< .07	.19	mg/L	Continuous	Recorded
	Permit Requirement	***	***		***	.2 Avg Mo	.5 Daily Max		Continuous	Recorded
Mercury, Total (71900)	Sample Measurement	***	***	***	***	< .2	< .2	ug/L	2/month	Grab
	Permit Requirement	***	***		***	.2 Avg Mo	.2 Daily Max		2/month	Grab
Hydrazine (81313)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	.007 Avg Mo	.007 Daily Max		1/week	Grab
Facility Sampling Point Comments										



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

002
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 12/01/2024
DMR Effective To: 12/31/2024
Permit Expires: 10/31/2026
Permit Application Due: 05/04/2026
No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2024	12	01	FROM	2024	12	31	TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	Sample Measurement	.046	.046	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***	***	1/week	Estimate
Facility Sampling Point Comments										



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MONITORING PERIOD									
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FROM 2024	12	01		TO 2024	12	31			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Aluminum, Total (01105)	Sample Measurement	***	***	***	***	.91	1.6	mg/L	2/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Flow (50050)	Sample Measurement	.29	.38	MGD	***	***	***	***	2/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Nalco H150M (51698)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	.034 Avg Mo	.034 Daily Max		1/week	Grab
Mercury, Total (71900)	Sample Measurement	***	***	***	***	< .2	< .2	ug/L	2/month	Grab
	Permit Requirement	***	***		***	.2 Avg Mo	.2 Daily Max		2/month	Grab
Hydrazine (81313)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	.007 Avg Mo	.007 Daily Max		1/week	Grab
Facility Sampling Point Comments										



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 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA0025615
 PERMIT NUMBER

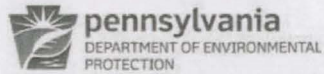
004
 OUTFALL NUMBER

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MONITORING PERIOD						
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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	***	***	***	***	***	***	°F	1/day	I-S
	Permit Requirement	***	***		***	***	110 Daily Max			
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX			
Chromium, Total (01034)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	2 Avg Mo	2 Daily Max			
Copper, Total (01042)	Sample Measurement	***	***	***	***	***	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max			
Zinc, Total (01092)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	1.0 Avg Mo	1.0 Daily Max			
Aluminum, Total (01105)	Sample Measurement	***	***	***	***	***	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max			
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	1/week	Calculation
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***			
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	Permit Requirement	***	***		***	5 Avg Mo	1.25 IMAX			
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	Permit Requirement	***	***		***	2 Avg Mo	.5 Daily Max			
Facility Sampling Point Comments										



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 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	006
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2024	12	01	FROM	2024	12	31	TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	Sample Measurement	.016	.016	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***	***	1/week	Estimate
Facility Sampling Point Comments										



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 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615
 PERMIT NUMBER

007
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2024	12	01	TO	2024	12	31	

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	***	***	***	***	***	***	°F		
	Permit Requirement	***	***		***	***	110 Daily Max		1/day	I-S
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	***	20 Daily Max		1/week	Grab
Nalco H150M (51698)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	.034 Avg Mo	.034 Daily Max		1/week	Grab
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	2 Avg Mo	.5 Daily Max		1/week	Grab
Facility Sampling Point Comments										



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 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA0025615
 PERMIT NUMBER

010
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **12/01/2024**
 DMR Effective To: **12/31/2024**
 Permit Expires: **10/31/2026**
 Permit Application Due: **05/04/2026**
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2024	12	01	TO	2024	12	31

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	***	***	***	***	***	53.8	°F	1/day	I-S
	Permit Requirement	***	***		***	***	110 Daily Max		1/day	I-S
pH (00400)	Sample Measurement	***	***	***	7.0	***	8.0	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Flow (50050)	Sample Measurement	3.1	3.6	MGD	***	***	***	***	1/week	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50080)	Sample Measurement	***	***	***	***	***	.09	mg/L	1/week	Grab
	Permit Requirement	***	***		***	***	.20 Daily Max		1/week	Grab
Nalco H150M (51698)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	.034 Avg Mo	.034 Daily Max		1/week	24-Hr Composite
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	< .03	.06	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.2 Avg Mo	.5 Daily Max		1/week	Grab
Mercury, Total (71900)	Sample Measurement	***	***	***	***	< .2	< .2	ug/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Facility Sampling Point Comments										



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011
 OUTFALL NUMBER

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 No Discharge: ☐

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
2024	12	01	TO	2024	12	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	Sample Measurement	.004	.004	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Mercury, Total (71900)	Sample Measurement	***	***	***	***	< .2	< .2	ug/L	2/month	Grab
	Permit Requirement	***	***		***	.2 Avg Mo	.2 Daily Max		2/month	Grab
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PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.7	***	7.9	S.U.	2/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	***	***	< .001	< .001	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.09	.11	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.06	.08	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	.001	.001	MGD	***	***	***	***	2/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Facility Sampling Point Comments										



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 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615	013
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
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		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.8	***	7.9	S.U.	2/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.003	.003	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	.002	.002	MGD	***	***	***	***	2/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
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 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Internal Monitoring Point

PA0025615
 PERMIT NUMBER

101
 OUTFALL NUMBER

Reporting Frequency: Monthly
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 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2024	12	01	TO	2024	12	31	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	8.9	***	9.0	S.U.	1/week	Grab
	Permit Requirement	***	***		8.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 4.0	< 4.0	mg/L	1/week	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 4.9	5.0	mg/L	1/week	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		1/week	Grab
Ammonia-Nitrogen (00810)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Flow (50050)	Sample Measurement	.004	.008	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Hydrazine (81313)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Facility Sampling Point Comments										



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: Internal Monitoring Point

PA0025615
 PERMIT NUMBER

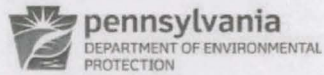
102
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD									
YEAR			MO			DAY			
FROM			2024			12			TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.3	***	7.5	S.U.	2/month	Grab
	Permit Requirement	***	***	***	8.0 Inst Min	***	9.0 IMAX	***	2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 4.4	4.7	mg/L	2/month	Grab
	Permit Requirement	***	***	***	***	30.0 Avg Mo	100.0 Daily Max	***	2/month	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 5.6	6.2	mg/L	2/month	Grab
	Permit Requirement	***	***	***	***	15.0 Avg Mo	20.0 Daily Max	***	2/month	Grab
Flow (50050)	Sample Measurement	.001	.001	MGD	***	***	***	***	2/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***	***	2/month	Estimate
Facility Sampling Point Comments										



**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: Internal Monitoring Point

PA0025615	103
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2024	12	01	TO	2024	12	31	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.2	***	7.5	S.U.	2/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 6.3	8.8	mg/L	2/month	See Permit
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		2/month	See Permit
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 5.4	5.8	mg/L	2/month	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	.29	.42	MGD	***	***	***	***	2/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Facility Sampling Point Comments										



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: Internal Monitoring Point

PA0025615
PERMIT NUMBER

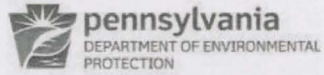
108
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 12/01/2024
DMR Effective To: 12/31/2024
Permit Expires: 10/31/2026
Permit Application Due: 05/04/2026
No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	12	01		TO	2024	12

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	Weekly when Discharging	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***	***		
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max			
Facility Sampling Point Comments										



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: Internal Monitoring Point

PA0025615	111
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2024	12	01	TO	2024	12	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.6	***	8.0	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 6.9	16.4	mg/L	1/week	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 5.5	6.7	mg/L	1/week	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		1/week	Grab
Flow (50050)	Sample Measurement	.002	.002	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Sampling Point Comments										



**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: Internal Monitoring Point

PA0025615	211
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2024	12	01	TO	2024	12	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.0	***	8.1	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 4.4	5.1	mg/L	1/week	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 5.0	< 5.3	mg/L	1/week	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		1/week	Grab
Flow (50050)	Sample Measurement	.002	.002	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Sampling Point Comments										



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: Internal Monitoring Point

PA0025615	301
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2024	12	01	TO	2024	12	31	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		2/month	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Sampling Point Comments										



**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: Internal Monitoring Point

PA0025615	303
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2024	12	01	TO	2024	12	31	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.	2/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX			
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max			
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max			
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***			
Facility Sampling Point Comments										



**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: Internal Monitoring Point

PA0025615
 PERMIT NUMBER

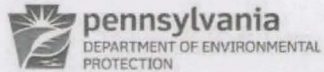
313
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD									
YEAR	MO	DAY		YEAR	MO	DAY			
FROM 2024	12	01	TO	2024	12	31			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.4	***	8.2	S.U.	1/week	Grab
	Permit Requirement	***	***		8.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 7.4	11.2	mg/L	1/week	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 5.1	5.7	mg/L	1/week	Grab
	Permit Requirement	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Flow (50050)	Sample Measurement	.002	.002	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Sampling Point Comments										



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: Internal Monitoring Point

PA0025615	401
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
FROM	YEAR	MO	DAY		YEAR	MO	DAY
	2024	12	01		TO	2024	12

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.8	***	***	S.U.	2/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	***		2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 4.1	4.1	mg/L	2/month	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		2/month	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 5.8	6.8	mg/L	2/month	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	.001	.001	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Sampling Point Comments										



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: Internal Monitoring Point

PA0025615
 PERMIT NUMBER

403
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2024	12	01	TO	2024	12	31	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.	Weekly when Discharging	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX			
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max			
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max			
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max			
Chromium, Total (01034)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	2 Avg Mo	2 Daily Max			
Zinc, Total (01092)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	1.0 Avg Mo	1.0 Daily Max			
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	Weekly when Discharging	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***			
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.25 IMAX			
Nalco H150M (51698)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	.034 Avg Mo	.034 Daily Max			
Hydrazine (81313)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	.007 Avg Mo	.007 Daily Max			
Facility Sampling Point Comments										



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: **Internal Monitoring Point**

PA0025615	601
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	12	01	TO	2024	12	31

Reporting Frequency: **Monthly**
 DMR Effective From: **12/01/2024**
 DMR Effective To: **12/31/2024**
 Permit Expires: **10/31/2026**
 Permit Application Due: **05/04/2026**
 No Discharge: ☒

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.	1/week	Grab
	Permit Requirement	***	***		8.0 Inst Min	***	9.0 IMAX			
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max			
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max			
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max			
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***			
Hydrazine (81313)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max			
Facility Sampling Point Comments	Discharge pathway is via 103 and monitored there.									



**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: Internal Monitoring Point

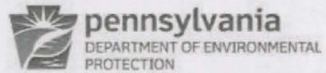
PA0025615	701
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2024	12	01	TO	2024	12	31	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX			
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max			
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max			
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max			
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***			
Hydrazine (81313)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max			
Facility Sampling Point Comments	Discharge pathway is via 103 and monitored there.									



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
DEC 2024 Cooling Water Form.pdf	Other	2025-01-23T12:39:32-05:00	BVPS Dec 2024 Cooling Water Intake Monitoring Forms
DMR Cover Letter Dec 2024 (part 1) - signed.pdf	Cover Letter	2025-01-27T17:02:41-05:00	
DEC 2024 Daily Effluents Form.pdf	Daily Effluent Monitoring Form	2025-01-23T12:38:21-05:00	
DEC 2024 Chemical Additives Form.pdf	Chemical Additives Usage Form	2025-01-23T13:24:28-05:00	
Annual cooling water modification letter 2024 (part 1) - signed.pdf	Other	2025-01-27T17:04:24-05:00	BVPS 2024 Annual Cooling Water Modification Letter

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

*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).	Robert Kristophel	TELEPHONE		DATE		
		(724)	682-7773	2025	01	28
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

ENCLOSURE B



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name: Beaver Valley Power Station - Unit 1
Municipality: Shippingport Borough County: Beaver
Watershed: Ohio River

Month: December Year: 2024
NPDES Permit No.: PA0025615 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Day	Chemical Names															
	Bleach Liquichlor		Control Brom CB-70		Surfactant Nalco 73550		Dispersant Nalco 3DT-120		Acti Brom Nalco 1318		Biocide Nalco H-150M		Dechlorination Nalco 7408		Nalco CL-50	
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	527.0		33.0		0.0		25.0		11.0		0.0		36.0		0.0	
2	661.0		33.0		0.0		25.0		11.0		0.0		47.0		0.0	
3	555.0		33.0		0.0		25.0		11.0		0.0		45.0		0.0	
4	547.0		33.0		0.0		25.0		11.0		0.0		44.0		0.0	
5	613.0		37.0		0.0		25.0		11.0		0.0		31.0		0.0	
6	534.0		33.0		0.0		25.0		11.0		0.0		44.0		0.0	
7	534.0		33.0		0.0		25.0		11.0		0.0		44.0		0.0	
8	379.0		22.0		0.0		25.0		11.0		0.0		60.0		0.0	
9	549.0		26.0		0.0		25.0		4.0		0.0		42.0		0.0	
10	610.0		33.0		0.0		25.0		0.0		0.0		45.0		0.0	
11	641.0		33.0		0.0		35.0		0.0		0.0		45.0		0.0	
12	398.0		19.0		0.0		25.0		4.0		0.0		38.0		0.0	
13	343.0		16.0		0.0		25.0		11.0		0.0		38.0		0.0	
14	428.0		26.0		0.0		25.0		11.0		0.0		44.0		0.0	
15	648.0		46.0		0.0		25.0		11.0		0.0		47.0		0.0	
16	655.0		35.0		0.0		25.0		11.0		0.0		51.0		0.0	
17	641.0		35.0		0.0		25.0		11.0		0.0		49.0		0.0	
18	492.0		0.0		0.0		25.0		11.0		0.0		47.0		0.0	
19	443.0		0.0		0.0		25.0		11.0		0.0		45.0		0.0	
20	446.0		0.0		0.0		25.0		11.0		0.0		77.0		0.0	
21	374.0		23.0		0.0		25.0		11.0		0.0		46.0		0.0	
22	351.0		23.0		0.0		25.0		11.0		0.0		47.0		0.0	
23	461.0		35.0		0.0		25.0		11.0		0.0		44.0		0.0	
24	0.0		0.0		0.0		25.0		11.0		0.0		28.0		0.0	
25	0.0		0.0		0.0		25.0		11.0		0.0		28.0		0.0	
26	565.0		35.0		0.0		25.0		11.0		0.0		46.0		0.0	
27	380.0		23.0		0.0		25.0		11.0		0.0		45.0		0.0	
28	399.0		23.0		0.0		25.0		11.0		0.0		47.0		0.0	
29	397.0		23.0		0.0		25.0		11.0		0.0		47.0		0.0	
30	458.0		23.0		0.0		25.0		11.0		0.0		44.0		0.0	
31	480.0		23.0		0.0		25.0		11.0		0.0		42.0		0.0	
Average	468.0		24.6				25.3		9.8				44.6			
Maximum	661.0		46.0				35.0		11.0				77.0			

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: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name: Beaver Valley Power Station - Unit 2
Municipality: Shippingport Borough County: Beaver
Watershed: Ohio River

Month: December Year: 2024
NPDES Permit No.: PA0025615 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Day	Chemical Names													
	Bleach Liquichlor		Control Brom CB-70		Surfactant Nalco 73550		Dispersant Nalco 3DT-120		Biocide Nalco H150-M		Dechlorination Nalco 7408		Acti Brom Nalco 1318	
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	0.0		0.0		0.0		16.0		0.0		0.0		0.0	
2	437.0		18.0		27.0		16.0		0.0		0.0		0.0	
3	437.0		18.0		27.0		16.0		0.0		0.0		0.0	
4	377.0		18.0		27.0		16.0		0.0		0.0		0.0	
5	437.0		18.0		27.0		16.0		0.0		0.0		0.0	
6	356.0		18.0		27.0		16.0		0.0		0.0		0.0	
7	437.0		18.0		27.0		16.0		0.0		0.0		0.0	
8	512.0		25.0		27.0		16.0		0.0		0.0		0.0	
9	437.0		18.0		27.0		16.0		0.0		0.0		0.0	
10	582.0		23.0		0.0		16.0		0.0		0.0		0.0	
11	518.0		23.0		27.0		22.0		0.0		0.0		0.0	
12	218.0		9.0		27.0		16.0		0.0		0.0		0.0	
13	291.0		0.0		27.0		16.0		0.0		0.0		0.0	
14	388.0		0.0		27.0		16.0		0.0		0.0		0.0	
15	372.0		0.0		27.0		16.0		0.0		0.0		0.0	
16	723.0		35.0		27.0		16.0		0.0		0.0		0.0	
17	655.0		35.0		27.0		16.0		0.0		0.0		0.0	
18	407.0		23.0		27.0		16.0		0.0		0.0		0.0	
19	347.0		20.0		27.0		16.0		0.0		0.0		0.0	
20	396.0		20.0		27.0		16.0		0.0		0.0		0.0	
21	410.0		23.0		27.0		16.0		0.0		0.0		0.0	
22	291.0		12.0		27.0		16.0		0.0		0.0		0.0	
23	291.0		12.0		27.0		16.0		0.0		0.0		0.0	
24	0.0		0.0		0.0		16.0		0.0		0.0		0.0	
25	0.0		0.0		0.0		16.0		0.0		0.0		0.0	
26	340.0		18.0		27.0		16.0		0.0		0.0		0.0	
27	368.0		23.0		27.0		16.0		0.0		0.0		0.0	
28	388.0		23.0		27.0		16.0		0.0		0.0		0.0	
29	420.0		23.0		27.0		16.0		0.0		0.0		0.0	
30	582.0		23.0		27.0		16.0		0.0		0.0		0.0	
31	243.0		10.0		27.0		16.0		0.0		0.0		0.0	
Average	376.1		16.3		23.5		16.2							
Maximum	723.0		35.0		27.0		22.0							

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: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name: Beaver Valley power Station
Municipality: Shippingport Borough County: Beaver
Watershed: Ohio River

Month: December Year: 2024
NPDES Permit No.: PA0025615 Outfall: 003
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Day	Chemical Names													
	RO Antiscalant Hypersperse		Klaraid IC1172 Coagulant		Nalco Ultrion Coagulant									
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	0.0		0.51		0.72									
2	0.0		1.17		0.72									
3	0.0		0.88		0.72									
4	0.0		1.02		0.72									
5	0.0		1.02		0.72									
6	0.0		0.8		0.72									
7	0.0		0.58		0.72									
8	0.0		0.0		0.72									
9	0.0		1.24		0.72									
10	0.0		1.75		0.72									
11	0.0		0.51		0.72									
12	0.0		0.29		0.72									
13	0.0		0.8		0.72									
14	0.0		0.73		0.72									
15	0.0		0.0		0.72									
16	0.0		1.31		0.72									
17	0.0		1.75		0.72									
18	0.0		0.65		0.72									
19	0.0		0.0		0.72									
20	0.0		1.02		0.72									
21	0.0		1.61		0.72									
22	0.0		0.58		0.72									
23	0.0		1.39		0.72									
24	0.0		1.17		0.72									
25	0.0		0.29		0.0									
26	0.0		0.87		0.72									
27	0.0		1.75		0.0									
28	0.0		0.58		0.0									
29	0.0		0.58		0.0									
30	0.0		1.75		0.0									
31	0.0		0.73		0.0									
Average			0.9		0.6									
Maximum			1.8		0.7									

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: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name: Beaver Valley Power Station - Unit 1
Municipality: Shippingport Borough County: Beaver
Watershed: Ohio River

Month: December Year: 2024
NPDES Permit No.: PA0025615 Outfall: 004
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Day	Chemical Names															
	Dechlorination Nalco 7408															
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	0.0															
2	0.0															
3	0.0															
4	0.0															
5	0.0															
6	0.0															
7	0.0															
8	0.0															
9	0.0															
10	0.0															
11	0.0															
12	0.0															
13	0.0															
14	0.0															
15	0.0															
16	0.0															
17	0.0															
18	0.0															
19	0.0															
20	0.0															
21	0.0															
22	0.0															
23	0.0															
24	0.0															
25	0.0															
26	0.0															
27	0.0															
28	0.0															
29	0.0															
30	0.0															
31	0.0															
Average																
Maximum																

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Prepared By: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025

SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

3800-FM-BCW0439 3/2014

Facility Name: Beaver Valley Power Station
Municipality: Shippingport Borough County: Beaver
Watershed: Ohio River

Month: December Year: 2024
NPDES Permit No.: PA0025615 Outfall: 010
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Day	Chemical Names													
	Control-Brom CB-70		Biocide Nalco H-150M		Dechlorination NALCO 7408		Corrosion Inhib. NALCO CL-50							
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	0.0		0.0		17.97		0.0							
2	0.0		0.0		17.97		0.0							
3	0.0		0.0		17.97		0.0							
4	0.0		0.0		17.97		0.0							
5	0.0		0.0		17.97		0.0							
6	0.0		0.0		17.97		0.0							
7	0.0		0.0		17.97		0.0							
8	0.0		0.0		17.97		0.0							
9	0.0		0.0		17.97		0.0							
10	0.0		0.0		17.97		0.0							
11	0.0		0.0		17.97		0.0							
12	0.0		0.06		17.97		0.066							
13	0.0		0.0		17.97		0.0							
14	0.0		0.0		17.97		0.0							
15	0.0		0.0		17.97		0.0							
16	0.0		0.0		17.97		0.0							
17	0.0		0.0		17.97		0.0							
18	0.0		0.0		17.97		0.0							
19	0.0		0.0		17.97		0.0							
20	0.0		0.0		17.97		0.0							
21	0.0		0.0		17.97		0.0							
22	0.0		0.0		17.97		0.0							
23	0.0		0.0		17.97		0.0							
24	0.0		0.0		17.97		0.0							
25	0.0		0.0		17.97		0.0							
26	0.0		0.0		17.97		0.0							
27	0.0		0.06		17.97		0.066							
28	0.0		0.0		17.97		0.0							
29	0.0		0.0		17.97		0.0							
30	0.0		0.0		17.97		0.0							
31	0.0		0.0		17.97		0.0							
Average			0.0		18.0		0.0							
Maximum			0.1		18.0		0.1							

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: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name: Beaver Valley Power Station - Unit 1 Secondary
Municipality: Shippingport Borough County: Beaver
Watershed: Ohio River

Month: December Year: 2024
NPDES Permit No.: PA0025615 Outfall: No Outfall
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

These feedwater additives are not typically discharged. They are reported to align with DEP guidance.

Day	Chemical Names													
	Hydrazine		Monoethanolamine PT7000											
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	7.0		0.0											
2	7.0		0.0											
3	7.0		0.0											
4	7.0		0.0											
5	7.0		0.0											
6	7.0		0.0											
7	7.0		0.0											
8	7.0		1.0											
9	7.0		5.0											
10	6.0		5.0											
11	6.0		5.0											
12	6.0		5.0											
13	6.0		5.0											
14	6.0		4.0											
15	6.0		2.0											
16	6.0		0.0											
17	6.0		0.0											
18	6.0		0.0											
19	6.0		0.0											
20	18.0		0.0											
21	7.0		5.0											
22	7.0		5.0											
23	7.0		2.0											
24	7.0		5.0											
25	7.0		5.0											
26	7.0		0.0											
27	7.0		0.0											
28	7.0		0.0											
29	6.0		0.0											
30	6.0		0.0											
31	6.0		1.0											
Average	6.9		1.8											
Maximum	18.0		5.0											

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: Darern Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name: Beaver Valley Power Station - Unit 2 Secondary
Municipality: Shippingport Borough County: Beaver
Watershed: Ohio River

Month: December Year: 2024
NPDES Permit No.: PA0025615 Outfall: No Outfall
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

These feedwater additives are not typically discharged. They are reported to align with DEP guidance.

Day	Chemical Names													
	Hydrazine		Monoethanolamine PT7000											
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	5.0		4.0											
2	5.0		4.0											
3	5.0		4.0											
4	13.0		9.0											
5	6.0		4.0											
6	7.0		4.0											
7	7.0		4.0											
8	12.0		6.0											
9	12.0		6.0											
10	12.0		4.0											
11	12.0		3.0											
12	12.0		3.0											
13	12.0		3.0											
14	8.0		3.0											
15	12.0		3.0											
16	12.0		3.0											
17	12.0		1.5											
18	12.0		0.0											
19	12.0		0.0											
20	12.0		0.0											
21	12.0		0.0											
22	12.0		0.0											
23	12.0		0.0											
24	12.0		0.0											
25	12.0		0.0											
26	12.0		0.0											
27	12.0		0.0											
28	12.0		0.0											
29	12.0		0.0											
30	12.0		1.0											
31	12.0		0.5											
Average	10.7		2.3											
Maximum	13.0		9.0											

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: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025

ENCLOSURE C

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3890-FM-BCW6436 3/2012

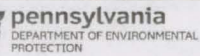
Facility Name: Beaver Valley Power Station
Municipality: Shippingport Borough County: Beaver
Watershed: 20-B
Laboratories: TestAmerica, BVPS Lab

Month: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Parameter			Flow	pH	TRC	Free Available Chlorine	Temperature	NH3-N	Total Aluminum	Total Chromium	Total Copper	Total Iron	Total Mercury	Total Zinc	Hydrazine	Nalco H150M	Total Phenolics
Stage			1	1	1	1	1	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
				S.U.	mg/L	mg/L	°F	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1	Sun	12/1/24	35.7			< 0.02	60.3										
	Mon	12/2/24	36.0	8.1	< 0.02	< 0.02	63.1		0.68		0.0056	1.1	< 0.0002				0.043
	Tue	12/3/24	35.9				63.8										
	Wed	12/4/24	35.5				64.8										
	Thu	12/5/24	37.5			< 0.02	63.9										
	Fri	12/6/24	38.0			< 0.02	63.6										
	Sat	12/7/24	37.8			< 0.02	65.8										
2	Sun	12/8/24	35.7			< 0.02	68.6										
	Mon	12/9/24	36.1			< 0.02	71.8										
	Tue	12/10/24	35.2	7.3	< 0.02	< 0.02	70.5		0.24		0.0056	0.56	< 0.0002				0.017
	Wed	12/11/24	35.7			< 0.02	69.5										
	Thu	12/12/24	36.1				60.1										
	Fri	12/13/24	39.7				69.4										
	Sat	12/14/24	38.0				68.4										
3	Sun	12/15/24	35.9				68.3										
	Mon	12/16/24	34.6	7.2	0.16		72.5										
	Tue	12/17/24	33.2				70.7										
	Wed	12/18/24	35.3				65.2										
	Thu	12/19/24	34.9				64.7										
	Fri	12/20/24	35.4			< 0.02	63.6										
	Sat	12/21/24	36.2			0.1	61.8										
4	Sun	12/22/24	37.8			0.04	59.9										
	Mon	12/23/24	33.3	8.0	0.03	< 0.02	60.2										
	Tue	12/24/24	30.1			0.04	68.3										
	Wed	12/25/24	30.4			0.07	66.4										
	Thu	12/26/24	32.3			0.04	66.3										
	Fri	12/27/24	31.3			0.07	66										
	Sat	12/28/24	27.0			0.05	74.2										
5	Sun	12/29/24	27.0		< 0.02	0.05	73.9										
	Mon	12/30/24	26.3	8.0		0.04	70.1										
	Tue	12/31/24	22.4			0.12	65.4										
Statistics for DMR																	
Daily Minimum (Conc.):				7.2	<	0.02	<	0.02	59.9		0.24		0.0056	0.56	<	0.0002	0.017
Daily Maximum (Conc.):				8.1		0.16		0.19	74.2		0.68		0.0056	1.1	<	0.0002	0.043
Max Avg Weekly (Conc.):						0.16		0.11	68		0.68		0.0056	1.1	<	0.0002	0.043
Avg Monthly (Conc.):					<	0.05		0.07	66.5		0.46		0.0056	0.83	<	0.0002	0.03
Geometric Mean (Conc.):																	
Max Avg Weekly (Load):			36.6			46	<	31	204		2	330	<	0.06			13
Avg Monthly (Load):			34.1			<	14	<	137		2	247	<	0.06			9
Total Monthly (Load):			1056.3			<	439	<	567		52	7667	<	2			277
Daily Minimum (Load):			22.4			<	5	<	70		2	164	<	0.06			5
Daily Maximum (Load):			39.7				46		60		2	330	<	0.06			13

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: Darren Bollman License No.: _____
Title: Environmental Specialist Date: 1/15/2025



3800-FM-BCW0435 3/2012

Month: 12 (select number) Year: 2024
 Permit No.: PA0025615 Outfall: 002
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

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 P.S. C.A. § 49(a) relating to unsworn falsification.

License No.: _____
Date: **1/15/2025**

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3800-FM-BCVW435 3/2012

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

Month: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 003
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Parameter			Flow	NH3-N	Total Aluminum	Total Mercury	Hydrazine	Nalco H150M												
Stage			1	1	1	1	1	1												
Week	Day	Date	MGD	Q	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	Q	Q	Q	Q	Q	Q	Q
1	Sun	12/1/24																		
	Mon	12/2/24	0.121			0.22	<	0.0002												
	Tue	12/3/24																		
	Wed	12/4/24																		
	Thu	12/5/24																		
	Fri	12/6/24																		
	Sat	12/7/24																		
2	Sun	12/8/24																		
	Mon	12/9/24	0.371				<	0.0002												
	Tue	12/10/24	0.386			1.6														
	Wed	12/11/24																		
	Thu	12/12/24																		
	Fri	12/13/24																		
	Sat	12/14/24																		
3	Sun	12/15/24																		
	Mon	12/16/24																		
	Tue	12/17/24																		
	Wed	12/18/24																		
	Thu	12/19/24																		
	Fri	12/20/24																		
	Sat	12/21/24																		
4	Sun	12/22/24																		
	Mon	12/23/24																		
	Tue	12/24/24																		
	Wed	12/25/24																		
	Thu	12/26/24																		
	Fri	12/27/24																		
	Sat	12/28/24																		
5	Sun	12/29/24																		
	Mon	12/30/24																		
	Tue	12/31/24																		
Statistics for DMR																				
Daily Minimum (Conc.)						0.22	<	0.0002												
Daily Maximum (Conc.)						1.6	<	0.0002												
Max Avg Weekly (Conc.)						1.6	<	0.0002												
Avg Monthly (Conc.)						0.91	<	0.0002												
Geometric Mean (Conc.)																				
Max Avg Weekly (Load)			0.379			5	<	0.0006												
Avg Monthly (Load)			0.293			3	<	0.0004												
Total Monthly (Load)			0.878			83	<	0.01												
Daily Minimum (Load)			0.121			0.2	<	0.0002												
Daily Maximum (Load)			0.386			5	<	0.0006												

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: Darren Bollman License No.: _____
Title: Environmental Specialist Date: 1/15/2025

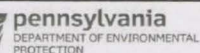


3800-FM-BCW0435 3/2012

Month: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 004
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

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).

License No.: _____
Date: 1/15/2025



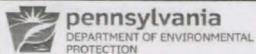
3800-FM-BCW0435 3/2012

Month: 12 (select number) Year: 2024
 Permit No.: PA0025615 Outfall: 006
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

[illegible]

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).

License No.: _____
Date: 1/15/2025

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

3800-FM-BCW0436 3/2012

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

Month: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 007
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

[illegible]

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 U.S.C. § 404 (relating to unsworn falsification).

Prepared By: Darren Bollman License No.: _____
 Title: Environmental Specialist Date: 1/15/2025

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3899-FM-BCW435 3/2012

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

Month: **12** (select number) Year: **2024**
Permit No.: **PA0025615** Outfall: **010**
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 Mercury	Nalco H150M										
Stage			1	1	1	1	1												
Week	Day	Date	MGD	Q	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										
1	Sun	12/1/24					53.7												
	Mon	12/2/24	3.6		7.7	<	0.02	<	0.0002										
	Tue	12/3/24					51.9												
	Wed	12/4/24					51.2												
	Thu	12/5/24					51.1												
	Fri	12/6/24					49.2												
	Sat	12/7/24					49.2												
2	Sun	12/8/24					48.7												
	Mon	12/9/24	3.6				48.7												
	Tue	12/10/24	2.88		7.0	<	0.02		0.0002										
	Wed	12/11/24					50												
	Thu	12/12/24					48.3												
	Fri	12/13/24					49.2												
	Sat	12/14/24					49.4												
3	Sun	12/15/24					51.2												
	Mon	12/16/24	2.88		7.5		50.2												
	Tue	12/17/24					50.7												
	Wed	12/18/24					51.2												
	Thu	12/19/24					53.4												
	Fri	12/20/24					53												
	Sat	12/21/24					53												
4	Sun	12/22/24					53.8												
	Mon	12/23/24	2.88		8.0	<	0.02	<	0.02										
	Tue	12/24/24					51.4												
	Wed	12/25/24					51												
	Thu	12/26/24					51.6												
	Fri	12/27/24					51.6												
	Sat	12/28/24					51.9												
5	Sun	12/29/24	2.88				51.9												
	Mon	12/30/24			7.6		52.1												
	Tue	12/31/24					53												
Statistics for DMR																			
Daily Minimum (Conc.):			###	7.0	<	0.02	<	0.02	48.3	<	0.0002								
Daily Maximum (Conc.):			###	8.0		0.09		0.06	53.8	<	0.0002								
Max Avg Weekly (Conc.):						0.09		0.06	52	<	0.0002								
Avg Monthly (Conc.):					<	0.04	<	0.03	51.1	<	0.0002								
Geometric Mean (Conc.):																			
Max Avg Weekly (Load):			3.6	#REF!	###	#REF!	###	#REF!	#REF!	<	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Avg Monthly (Load):			3.12	#REF!	<	#REF!	<	#REF!	#REF!	<	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Total Monthly (Load):			18.72	#REF!	<	#REF!	<	#REF!	#REF!	<	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Daily Minimum (Load):			2.88	#REF!	###	#REF!	###	#REF!	#REF!	###	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Daily Maximum (Load):			3.6	#REF!	###	#REF!	###	#REF!	#REF!	###	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

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: **Darren Bollman**
Title: **Environmental Specialist**

License No.:
Date: **1/15/2025**



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

3800-FM-RCW0435 3/2012

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

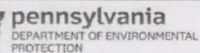
Month: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 011
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

[illegible]

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 unlawful falsification).

Prepared By: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025

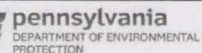


3800-FM-RCW0435 3/2012

Month: 12 (select number) Year: 2024
 Permit No.: PA0025615 Outfall: 012
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

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 true 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 P.S. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Darren Bollman License No.: _____
 Title: Environmental Specialist Date: 1/15/2025



3800-FM-BCW0435 3/2012

Month: 12 (select number) Year: 2024
 Permit No.: PA0025615 Outfall: 013
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

[illegible]

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).

License No.: _____
Date: 1/15/2025

**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: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 101
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Parameter			Flow	pH	TSS	Oil and Grease	NH3-N	Hydrazine											
Stage			1	RI	RI	RI	RI	RI											
Week	Day	Date	MGD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
				8.U.	mg/L	mg/L	mg/L	mg/L											
1	Sun	12/1/24	0.008	7.7	<	4.0	5.0												
	Mon	12/2/24																	
	Tue	12/3/24																	
	Wed	12/4/24																	
	Thu	12/5/24																	
	Fri	12/6/24																	
	Sat	12/7/24																	
2	Sun	12/8/24	0.003	6.9	<	4.0	<	4.8											
	Mon	12/9/24																	
	Tue	12/10/24																	
	Wed	12/11/24																	
	Thu	12/12/24																	
	Fri	12/13/24																	
	Sat	12/14/24																	
3	Sun	12/15/24	0.002	7.4	<	4.0	<	4.8											
	Mon	12/16/24																	
	Tue	12/17/24																	
	Wed	12/18/24																	
	Thu	12/19/24																	
	Fri	12/20/24																	
	Sat	12/21/24																	
4	Sun	12/22/24	0.002	9.0	<	4.0	<	5.0											
	Mon	12/23/24																	
	Tue	12/24/24																	
	Wed	12/25/24																	
	Thu	12/26/24																	
	Fri	12/27/24																	
	Sat	12/28/24																	
5	Sun	12/29/24	0.004	8.0	<	4.0	<	4.8											
	Mon	12/30/24																	
	Tue	12/31/24																	
Statistics for DMR																			
Daily Minimum (Conc.)				6.9	<	4	<	4.8											
Daily Maximum (Conc.)				9.0	<	4	<	5											
Max Avg Weekly (Conc.)					<	4.0	<	5.0											
Avg Monthly (Conc.)					<	4	<	4.9											
Geometric Mean (Conc.)																			
Max Avg Weekly (Load)			0.008		<	0.3	<	0.3											
Avg Monthly (Load)			0.004		<	0.1	<	0.2											
Total Monthly (Load)			0.019		<	4	<	5											
Daily Minimum (Load)			0.002		<	0.07	<	0.08											
Daily Maximum (Load)			0.008		<	0.3	<	0.3											

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: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025

Month: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 102
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Parameter			Flow	pH	TSS	Oil and Grease													
Stage			1	RI	RI	RI													
Week	Day	Date	MGD	q	S.U.	q	mg/L	q	mg/L	q		q		q		q		q	
1	Sun	12/1/24	0.001		7.5		4.7		6.2										
	Mon	12/2/24																	
	Tue	12/3/24																	
	Wed	12/4/24																	
	Thu	12/5/24																	
	Fri	12/6/24																	
	Sat	12/7/24																	
2	Sun	12/8/24																	
	Mon	12/9/24																	
	Tue	12/10/24	0.001		7.3	<	4.0	<	4.9										
	Wed	12/11/24																	
	Thu	12/12/24																	
	Fri	12/13/24																	
	Sat	12/14/24																	
3	Sun	12/15/24																	
	Mon	12/16/24																	
	Tue	12/17/24																	
	Wed	12/18/24																	
	Thu	12/19/24																	
	Fri	12/20/24																	
	Sat	12/21/24																	
4	Sun	12/22/24																	
	Mon	12/23/24																	
	Tue	12/24/24																	
	Wed	12/25/24																	
	Thu	12/26/24																	
	Fri	12/27/24																	
	Sat	12/28/24																	
5	Sun	12/29/24																	
	Mon	12/30/24																	
	Tue	12/31/24																	
Statistics for DMR																			
Daily Minimum (Conc.):					7.3	<	4	<	4.9										
Daily Maximum (Conc):					7.5		4.7		6.2										
Max Avg Weekly (Conc.):							4.7		6.2										
Avg Monthly (Conc.):						<	4.4	<	5.6										
Geometric Mean (Conc.):																			
Max Avg Weekly (Load):			0.001		#REF!	###	#REF!	###	#REF!	#REF!		#REF!		#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Avg Monthly (Load):			0.001		#REF!	<	#REF!	<	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Total Monthly (Load):			0.002		#REF!	<	#REF!	<	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Daily Minimum (Load):			0.001		#REF!	###	#REF!	###	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Daily Maximum (Load):			0.001		#REF!	###	#REF!	###	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

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).

License No.: _____
Date: **1/15/2025**



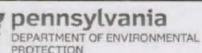
Facility Name:	Beaver Valley Power Station		
Municipality:	Shippingport Borough	County:	Beaver
Watershed:	20-B		
Laboratories:	TestAmerica, BVPS Lab		

Month: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 103
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

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: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025



3800-FM-BCW0435 3/2012

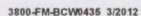
Month: 12 (select number) Year: 2024
 Permit No.: PA0025615 Outfall: 108
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

[illegible]

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 P.S. C.S. § 4004 (relating to unsworn falsification).

Prepared By: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025



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

Month: 12 (select number) Year: 2024
 Permit No.: PA0025615 Outfall: 111
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

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 unlawful falsification).

Prepared By: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025



3800-FM-BCW0435 3/2012

Month: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 211
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

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).

License No.: _____
Date: **1/15/2025**



**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3800-FM-BCW0435 3/2012

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

Month: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 301
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

[illegible]

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 P.S. § 4064 (relating to unsworn falsification).

Prepared By: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: **1/15/2025**



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

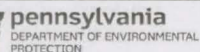
Month: 12 (select number) Year: 2024
 Permit No.: PA0025615 Outfall: 303
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

[illegible]

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 P.S. C.S. § 4604 (relating to unsworn falsification).

Prepared By: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: **1/15/2025**



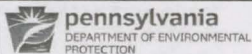
3800-FM-BCW0435 3/2012

Month: 12 (select number) Year: 2024
 Permit No.: PA0025615 Outfall: 313
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

[illegible]

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: Darren Bollman License No.: _____
 Title: Environmental Specialist Date: 1/15/2025

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: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 401
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Parameter			Flow	pH		TSS		Oil and Grease															
Stage			1	RI		RI		RI															
Week	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
1	Sun	12/1/24																					
	Mon	12/2/24	0.001		8.4		4.1		6.8														
	Tue	12/3/24																					
	Wed	12/4/24																					
	Thu	12/5/24																					
	Fri	12/6/24																					
	Sat	12/7/24																					
2	Sun	12/8/24																					
	Mon	12/9/24	0.001		6.8	<	4.0	<	4.8														
	Tue	12/10/24	0.001																				
	Wed	12/11/24																					
	Thu	12/12/24																					
	Fri	12/13/24																					
	Sat	12/14/24																					
3	Sun	12/15/24																					
	Mon	12/16/24	0.001																				
	Tue	12/17/24																					
	Wed	12/18/24																					
	Thu	12/19/24																					
	Fri	12/20/24																					
	Sat	12/21/24																					
4	Sun	12/22/24																					
	Mon	12/23/24	0.001																				
	Tue	12/24/24																					
	Wed	12/25/24																					
	Thu	12/26/24																					
	Fri	12/27/24																					
	Sat	12/28/24																					
5	Sun	12/29/24																					
	Mon	12/30/24	0.001																				
	Tue	12/31/24																					
Statistics for DMR																							
Daily Minimum (Conc.):					6.8	<	4	<	4.8														
Daily Maximum (Conc):					8.4		4.1		6.8														
Max Avg Weekly (Conc.):							4.1		6.8														
Avg Monthly (Conc.):						<	4.1	<	5.8														
Geometric Mean (Conc.):																							
Max Avg Weekly (Load):			0.001				0.03		0.06														
Avg Monthly (Load):			0.001			<	0.03	<	0.05														
Total Monthly (Load):			0.006			<	1	<	1														
Daily Minimum (Load):			0.001			<	0.03	<	0.04														
Daily Maximum (Load):			0.001				0.03		0.06														

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: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025

**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: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 403
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Parameter			Flow	pH	TRC	TSS	Oil and Grease	NH3-N	Total Chromium	Total Zinc	Hydrazine	Nalco H150M						
Stage			1	RI	RI	RI	RI	RI	RI	RI	RI	RI						
Week	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q
1	Sun	12/1/24																
	Mon	12/2/24	0.0															
	Tue	12/3/24																
	Wed	12/4/24																
	Thu	12/5/24																
	Fri	12/6/24																
	Sat	12/7/24																
2	Sun	12/8/24																
	Mon	12/9/24	0.0															
	Tue	12/10/24																
	Wed	12/11/24																
	Thu	12/12/24																
	Fri	12/13/24																
	Sat	12/14/24																
3	Sun	12/15/24																
	Mon	12/16/24	0.0															
	Tue	12/17/24																
	Wed	12/18/24																
	Thu	12/19/24																
	Fri	12/20/24																
	Sat	12/21/24																
4	Sun	12/22/24																
	Mon	12/23/24	0.0															
	Tue	12/24/24																
	Wed	12/25/24																
	Thu	12/26/24																
	Fri	12/27/24																
	Sat	12/28/24																
5	Sun	12/29/24																
	Mon	12/30/24	0.0															
	Tue	12/31/24																
Statistics for DMR																		
Daily Minimum (Conc.)																		
Daily Maximum (Conc.)																		
Max Avg Weekly (Conc.)																		
Avg Monthly (Conc.)																		
Geometric Mean (Conc.)																		
Max Avg Weekly (Load)																		
Avg Monthly (Load)																		
Total Monthly (Load)																		
Daily Minimum (Load)			0															
Daily Maximum (Load)			0															

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: Darren Bollman License No.: _____
Title: Environmental Specialist Date: 1/15/2025

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3800-FM-BCW6435 3/2012

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

Month: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 601
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Parameter			Flow	pH	TSS	Oil and Grease	NH3-N	Hydrazine											
Stage			1	RI	RI	RI	RI	RI											
Week	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q	
1	Sun	12/1/24																	
	Mon	12/2/24	0.0																
	Tue	12/3/24																	
	Wed	12/4/24																	
	Thu	12/5/24																	
	Fri	12/6/24																	
	Sat	12/7/24																	
2	Sun	12/8/24																	
	Mon	12/9/24	0.0																
	Tue	12/10/24																	
	Wed	12/11/24																	
	Thu	12/12/24																	
	Fri	12/13/24																	
	Sat	12/14/24																	
3	Sun	12/15/24																	
	Mon	12/16/24	0.0																
	Tue	12/17/24																	
	Wed	12/18/24																	
	Thu	12/19/24																	
	Fri	12/20/24																	
	Sat	12/21/24																	
4	Sun	12/22/24																	
	Mon	12/23/24	0.0																
	Tue	12/24/24																	
	Wed	12/25/24																	
	Thu	12/26/24																	
	Fri	12/27/24																	
	Sat	12/28/24																	
5	Sun	12/29/24																	
	Mon	12/30/24	0																
	Tue	12/31/24																	
Statistics for DMR																			
Daily Minimum (Conc.):																			
Daily Maximum (Conc.):																			
Max Avg Weekly (Conc.):																			
Avg Monthly (Conc.):																			
Geometric Mean (Conc.):																			
Max Avg Weekly (Load):				#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!	
Avg Monthly (Load):				#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!	
Total Monthly (Load):				#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!	
Daily Minimum (Load):			0	#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!	
Daily Maximum (Load):			0	#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!	

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: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025



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

Month: 12 (select number) Year: 2024
Permit No.: PA0025615 Outfall: 701
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

[illegible]

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 unlawful fabrication).

Prepared By: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025

ENCLOSURE D



SUPPLEMENTAL REPORT - COOLING WATER INTAKE MONITORING

Facility Name: Beaver Valley Power Station - Unit 1
Municipality: Shippingport Borough County: Beaver
Watershed: 20-B 20-D

Month: December Year: 2024
NPDES Permit No.: PA0025615
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

	Actual Intake Flow	Cooling Water Withdrawal	Make-Up Water	Blowdown Volume	Cycles of Concentration	Actual Through Screen Velocity		
Day	MGD	MGD	Million Gallons	Million Gallons	#	fps		
1					1.76			
2					1.72			
3					1.84			
4					1.65			
5					1.66			
6					1.72			
7					1.74			
8					1.12			
9					1.98			
10					1.75			
11					1.74			
12					2.0			
13					2.11			
14					1.74			
15					1.18			
16					1.26			
17					1.0			
18					1.71			
19					1.8			
20					1.7			
21					1.82			
22					1.8			
23					1.53			
24					1.68			
25					1.74			
26					1.7			
27					1.74			
28					1.85			
29					1.88			
30					1.86			
31					1.54			
Average					1.7			
Maximum					2.1			

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: Darren Bollman
Title: Environmental Specialist

License No: _____
Date: 1/15/2025



SUPPLEMENTAL REPORT - COOLING WATER INTAKE MONITORING

Facility Name: Beaver Valley Power Station - Unit 2
Municipality: Shippingport Borough County: Beaver
Watershed: 20-B 20-D

Month: December Year: 2024
NPDES Permit No.: PA0025615
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

	Actual Intake Flow	Cooling Water Withdrawal	Make-Up Water	Blowdown Volume	Cycles of Concentration	Actual Through Screen Velocity		
Day	MGD	MGD	Million Gallons	Million Gallons	#	fps		
1					1.62			
2					1.62			
3					1.72			
4					1.58			
5					1.61			
6					1.62			
7					1.7			
8					1.84			
9					1.95			
10					1.83			
11					1.78			
12					1.77			
13					1.62			
14					1.78			
15					1.92			
16					2.03			
17					2.03			
18					1.86			
19					1.93			
20					1.79			
21					1.82			
22					1.8			
23					1.65			
24					1.82			
25					1.88			
26					1.85			
27					1.84			
28					1.98			
29					2.05			
30					2.05			
31					1.89			
Average					1.8			
Maximum					2.1			

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: Darren Bollman
Title: Environmental Specialist

License No.: _____
Date: 1/15/2025

ENCLOSURE E



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	004
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Quarterly
DMR Effective From: 10/01/2024
DMR Effective To: 12/31/2024
Permit Expires: 10/31/2026
Permit Application Due: 05/04/2026
No Discharge: ☐

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2024	10	01	2024	12	31

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Mercury, Total (71900)	Sample Measurement	***	***	***	***	***	< 2	ug/L	1/quarter	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	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
BVPS Q4 2024 Daily Effluent Forms.pdf	Daily Effluent Monitoring Form	2025-01-23T12:37:28-05:00	
_DMR Cover Letter Dec 2024 (part 1) - signed.pdf	Cover Letter	2025-01-27T17:05:23-05:00	

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

*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).	Robert Kristophel	TELEPHONE		DATE		
		(724)	682-7773	2025	01	28
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

ENCLOSURE F

**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: 10 (select number) Year: 2024
Permit No.: PA0025615 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	S.U.	Q	mg/L	Q	mg/L	Q	°F	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L
1	Sun	9/29/24																	
	Mon	9/30/24																	
	Tue	10/1/24	1.9								81.1								
	Wed	10/2/24	1.9								76.4								
	Thu	10/3/24	1.9								73.5								
	Fri	10/4/24	1.9								70.7								
	Sat	10/5/24	1.9								78.2								
2	Sun	10/6/24	1.9								76.2								
	Mon	10/7/24	1.9	6.5	<	0.02	<	0.02		0.12	76.2		0.0032	<	0.0002				
	Tue	10/8/24	1.9								64.7								
	Wed	10/9/24	1.9								72.6								
	Thu	10/10/24	1.9								69.8								
	Fri	10/11/24	1.9								70.1								
	Sat	10/12/24	0.0																
3	Sun	10/13/24	0.0																
	Mon	10/14/24	0.0																
	Tue	10/15/24	0.0																
	Wed	10/16/24	0.0																
	Thu	10/17/24	0.0																
	Fri	10/18/24	0.0																
	Sat	10/19/24	0.0																
4	Sun	10/20/24	0.0																
	Mon	10/21/24	0.0																
	Tue	10/22/24	0.0																
	Wed	10/23/24	0.0																
	Thu	10/24/24	0.0																
	Fri	10/25/24	0.0																
	Sat	10/26/24	0.0																
5	Sun	10/27/24	0.0																
	Mon	10/28/24	0.0																
	Tue	10/29/24	0.0																
	Wed	10/30/24	0.0																
	Thu	10/31/24	0.0																
	Fri	11/1/24																	
	Sat	11/2/24																	
Statistics for DMR																			
Daily Minimum (Conc.):				6.5	<	0.02	<	0.02		64.7	0.12		0.0032	<	0.0002				
Daily Maximum (Conc.):				6.5	<	0.02	<	0.02		81.1	0.12		0.0032	<	0.0002				
Max Avg Weekly (Conc.):					<	0.02	<	0.02		76	0.12		0.0032	<	0.0002				
Avg Monthly (Conc.):					<	0.02	<	0.02		73.6	0.12		0.0032	<	0.0002				
Geometric Mean (Conc.):																			
Max Avg Weekly (Load):			1.9		<	0.3	<	0.3		2			0.05	<	0.003				
Avg Monthly (Load):			0.7		<	0.3	<	0.3		2			0.05	<	0.003				
Total Monthly (Load):			20.9		<	10	<	10		59			2	<	0.1				
Daily Minimum (Load):			0		<	0.3	<	0.3		2			0.05	<	0.003				
Daily Maximum (Load):			1.9		<	0.3	<	0.3		2			0.05	<	0.003				

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 Environmental Specialist

License No.: _____
Date: 11/18/2024



Month: 11 (select number) Year: 2024
 Permit No.: PA0025615 Outfall: 004
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

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. § 4004 (relating to unsworn falsification).

License No.: _____
Date: 12/18/2024

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

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

Month: 12 (select number) Year: 2024
Permit No.: PA0025615 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	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L
1	Sun	12/1/24	0.0																
	Mon	12/2/24	0.0																
	Tue	12/3/24	0.0																
	Wed	12/4/24	0.0																
	Thu	12/5/24	0.0																
	Fri	12/6/24	0.0																
	Sat	12/7/24	0.0																
2	Sun	12/8/24	0.0																
	Mon	12/9/24	0.0																
	Tue	12/10/24	0.0																
	Wed	12/11/24	0.0																
	Thu	12/12/24	0.0																
	Fri	12/13/24	0.0																
	Sat	12/14/24	0.0																
3	Sun	12/15/24	0.0																
	Mon	12/16/24	0.0																
	Tue	12/17/24	0.0																
	Wed	12/18/24	0.0																
	Thu	12/19/24	0.0																
	Fri	12/20/24	0.0																
	Sat	12/21/24	0.0																
4	Sun	12/22/24	0.0																
	Mon	12/23/24	0.0																
	Tue	12/24/24	0.0																
	Wed	12/25/24	0.0																
	Thu	12/26/24	0.0																
	Fri	12/27/24	0.0																
	Sat	12/28/24	0.0																
5	Sun	12/29/24	0.0																
	Mon	12/30/24	0.0																
	Tue	12/31/24	0.0																
Statistics for DMR																			
Daily Minimum (Conc.):																			
Daily Maximum (Conc.):																			
Max Avg Weekly (Conc.):																			
Avg Monthly (Conc.):																			
Geometric Mean (Conc.):																			
Max Avg Weekly (Load):																			
Avg Monthly (Load):																			
Total Monthly (Load):																			
Daily Minimum (Load):			0																
Daily Maximum (Load):			0																

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 License No.: _____
Title: Senior Environmental Specialist Date: 1/13/2025

ENCLOSURE G



**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

003
 OUTFALL NUMBER

Reporting Frequency: **Semi-Annually**
 DMR Effective From: **07/01/2024**
 DMR Effective To: **12/31/2024**
 Permit Expires: **10/31/2026**
 Permit Application Due: **05/04/2026**
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	07	01	TO	2024	12	31

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	7.2	S.U.	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	14.2	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	< 3.9	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Iron, Total (01045)	Sample Measurement	***	***	***	***	***	.48	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Facility Sampling Point Comments										



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	008
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	07	01	TO	2024	12	31

FROM

TO

Reporting Frequency: Semi-Annually
 DMR Effective From: 07/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	7.3	S.U.	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	9.4	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	< 3.9	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Iron, Total (01045)	Sample Measurement	***	***	***	***	***	.25	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Flow (50050)	Sample Measurement	***	.008	MGD	***	***	***	***	1/6 months	Estimate
	Permit Requirement	***	Monitor & Report Daily Max		***	***	***		1/6 months	Estimate
Facility Sampling Point Comments										



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

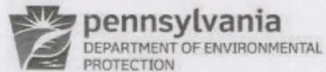
PA0025615	011
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Semi-Annually
 DMR Effective From: 07/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2024	07	01	TO	2024	12	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	7.0	S.U.	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	19.6	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	< 3.8	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Iron, Total (01045)	Sample Measurement	***	***	***	***	***	2.8	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Facility Sampling Point Comments										



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	012
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Semi-Annually
DMR Effective From: 07/01/2024
DMR Effective To: 12/31/2024
Permit Expires: 10/31/2026
Permit Application Due: 05/04/2026
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	07	01	TO	2024	12	31

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	7.2	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	< 3.8	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Iron, Total (01045)	Sample Measurement	***	***	***	***	***	2	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Facility Sampling Point Comments										



**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	013
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	07	01	TO	2024	12	31

FROM

Reporting Frequency: **Semi-Annually**
 DMR Effective From: **07/01/2024**
 DMR Effective To: **12/31/2024**
 Permit Expires: **10/31/2026**
 Permit Application Due: **05/04/2026**
 No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	12.4	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	< 3.8	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Iron, Total (01045)	Sample Measurement	***	***	***	***	***	.8	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Facility Sampling Point Comments										



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	014
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Semi-Annually**
 DMR Effective From: **07/01/2024**
 DMR Effective To: **12/31/2024**
 Permit Expires: **10/31/2026**
 Permit Application Due: **05/04/2026**
 No Discharge: ☐

MONITORING PERIOD																	
YEAR			MO			DAY			YEAR			MO			DAY		
2024			07			01			2024			12			31		

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	7.3	S.U.	1/6 months	Grab
	Permit Requirement	***	***	***	***	***	Monitor & Report Daily Max	***	1/6 months	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	30.0	mg/L	1/6 months	Grab
	Permit Requirement	***	***	***	***	***	Monitor & Report Daily Max	***	1/6 months	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	< 3.8	mg/L	1/6 months	Grab
	Permit Requirement	***	***	***	***	***	Monitor & Report Daily Max	***	1/6 months	Grab
Iron, Total (01045)	Sample Measurement	***	***	***	***	***	.8	mg/L	1/6 months	Grab
	Permit Requirement	***	***	***	***	***	Monitor & Report Daily Max	***	1/6 months	Grab
Flow (50050)	Sample Measurement	***	.055	MGD	***	***	***	***	1/6 months	Estimate
	Permit Requirement	***	Monitor & Report Daily Max	***	***	***	***	***	1/6 months	Estimate
Facility Sampling Point Comments										



**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

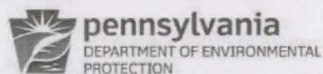
PA0025615	015
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Semi-Annually
 DMR Effective From: 07/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2024	07	01	TO	2024	12	31	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	7.3	S.U.	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	7.0	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	< 3.9	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Iron, Total (01045)	Sample Measurement	***	***	***	***	***	.2	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Flow (50050)	Sample Measurement	***	.015	MGD	***	***	***	***	1/6 months	Estimate
	Permit Requirement	***	Monitor & Report Daily Max		***	***	***		1/6 months	Estimate
Facility Sampling Point Comments										



**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	016
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Semi-Annually**
 DMR Effective From: **07/01/2024**
 DMR Effective To: **12/31/2024**
 Permit Expires: **10/31/2026**
 Permit Application Due: **05/04/2026**
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	07	01	FROM	2024	12	31
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	7.2	S.U.	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	11.8	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	< 3.9	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Iron, Total (01045)	Sample Measurement	***	***	***	***	***	.3	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Flow (50050)	Sample Measurement	***	.017	MGD	***	***	***	***	1/6 months	Estimate
	Permit Requirement	***	Monitor & Report Daily Max		***	***	***		1/6 months	Estimate
Facility Sampling Point Comments										



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

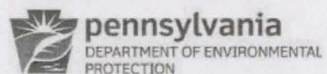
PA0025615	017
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	07	01	FROM	2024	12	31
			TO			

Reporting Frequency: Semi-Annually
 DMR Effective From: 07/01/2024
 DMR Effective To: 12/31/2024
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	7.3	S.U.	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	9.2	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	< 3.9	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Iron, Total (01045)	Sample Measurement	***	***	***	***	***	.2	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Flow (50050)	Sample Measurement	***	.006	MGD	***	***	***	***	1/6 months	Estimate
	Permit Requirement	***	Monitor & Report Daily Max		***	***	***		1/6 months	Estimate
Facility Sampling Point Comments										



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, 44306-2014**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA0025615	019
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Semi-Annually**
 DMR Effective From: **07/01/2024**
 DMR Effective To: **12/31/2024**
 Permit Expires: **10/31/2026**
 Permit Application Due: **05/04/2026**
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	07	01	FROM	2024	12	31
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	7.6	S.U.	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	77.8	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	< 3.9	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Iron, Total (01045)	Sample Measurement	***	***	***	***	***	2	mg/L	1/6 months	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/6 months	Grab
Flow (50050)	Sample Measurement	***	.23	MGD	***	***	***	***	1/6 months	Estimate
	Permit Requirement	***	Monitor & Report Daily Max		***	***	***		1/6 months	Estimate
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
_DMR Cover Letter Dec 2024 (part 1) - signed.pdf	Cover Letter	2025-01-27T17:08:13-05:00	
2024_Stormwater_Annual_Report (part 1) - signed.pdf	Annual Report	2025-01-27T17:08:44-05:00	
BVPS H2 2024 Stormwater Daily Effluent Forms.pdf	Daily Effluent Monitoring Form	2025-01-23T12:38:41-05:00	

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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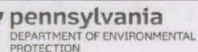
COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
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SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 89, 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).	Robert Kristophel	TELEPHONE		DATE		
		(724)	682-7773	2025	01	28
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

ENCLOSURE H



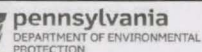
3800-FM-BCW0435 3/2012

Month: 11 (select number) Year: 2024
 Permit No.: _____ Outfall: 003
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

Parameter			Flow	pH		TSS		Oil and Grease		Total Iron										
Stage			1	1		1		1		1										
Week	Day	Date	MGD	q	S.U.	q	mg/L	q	mg/L	q	mg/L	q	q	q	q	q	q	q	q	q
1	Fri	11/1/24																		
	Sat	11/2/24																		
	Sun	11/3/24																		
	Mon	11/4/24																		
	Tue	11/5/24																		
	Wed	11/6/24																		
	Thu	11/7/24																		
2	Fri	11/8/24																		
	Sat	11/9/24																		
	Sun	11/10/24			7.2		14.2	<	3.9		0.48									
	Mon	11/11/24																		
	Tue	11/12/24																		
	Wed	11/13/24																		
	Thu	11/14/24																		
3	Fri	11/15/24																		
	Sat	11/16/24																		
	Sun	11/17/24																		
	Mon	11/18/24																		
	Tue	11/19/24																		
	Wed	11/20/24																		
	Thu	11/21/24																		
4	Fri	11/22/24																		
	Sat	11/23/24																		
	Sun	11/24/24																		
	Mon	11/25/24																		
	Tue	11/26/24																		
	Wed	11/27/24																		
	Thu	11/28/24																		
5	Fri	11/29/24																		
	Sat	11/30/24																		
Statistics for DMR																				
Daily Minimum (Conc.):					7.2		14.2	<	3.9		0.48									
Daily Maximum (Conc):					7.2		14.2	<	3.9		0.48									
Max Avg Weekly (Conc.):							14.2	<	3.9		0.48									
Avg Monthly (Conc.):							14.2	<	3.9		0.48									
Geometric Mean (Conc.):																				
Max Avg Weekly (Load):								<												
Avg Monthly (Load):								<												
Total Monthly (Load):								<												
Daily Minimum (Load):																				
Daily Maximum (Load):																				

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 License No.: _____
 Title: Senior Environmental Specialist Date: 1/13/2025



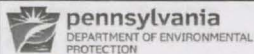
3800-FM-BCW0435 3/2012

Month: 11 (select number) Year: 2024
 Permit No.: _____ Outfall: 008
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

[illegible]

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 unlawful falsification).

License No.: _____
Date: 1/13/2025

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

3800-FM-RCW0435 3/2012

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

Month: 11 (select number) Year: 2024
 Permit No.: _____ Outfall: 011
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

[illegible]

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 P.S. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey
Title: Senior Environmental Specialist

License No.: _____
Date: 1/13/2025

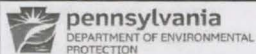


3800-FM-BCW0435 3/2012

Month: 11 (select number) Year: 2024
 Permit No.: _____ Outfall: 012
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

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 P.S. C.S. § 4904 (relating to unsworn falsification).

License No.: _____
Date: **1/13/2025**

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: 11 (select number) Year: 2024
 Permit No.: _____ Outfall: 013
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

Parameter			Flow	TSS	Oil and Grease	Total Iron															
Stage			1	1	1	1															
Week	Day	Date	MGD	q mg/L	q mg/L	q mg/L	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q
1	Fri	11/1/24																			
	Sat	11/2/24																			
	Sun	11/3/24																			
	Mon	11/4/24																			
	Tue	11/5/24																			
	Wed	11/6/24																			
	Thu	11/7/24																			
2	Fri	11/8/24																			
	Sat	11/9/24																			
	Sun	11/10/24		12.4	< 3.8	0.6															
	Mon	11/11/24																			
	Tue	11/12/24																			
	Wed	11/13/24																			
	Thu	11/14/24																			
3	Fri	11/15/24																			
	Sat	11/16/24																			
	Sun	11/17/24																			
	Mon	11/18/24																			
	Tue	11/19/24																			
	Wed	11/20/24																			
	Thu	11/21/24																			
4	Fri	11/22/24																			
	Sat	11/23/24																			
	Sun	11/24/24																			
	Mon	11/25/24																			
	Tue	11/26/24																			
	Wed	11/27/24																			
	Thu	11/28/24																			
5	Fri	11/29/24																			
	Sat	11/30/24																			

Statistics for DMR
 Daily Minimum (Conc.): 12.4 < 3.8 0.6
 Daily Maximum (Conc.): 12.4 < 3.8 0.6
 Max Avg Weekly (Conc.): 12.4 < 3.8 0.6
 Avg Monthly (

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 P.S. C.S. § 4094 (relating to unsworn falsification).

Prepared By: James Harvey
Title: Senior Environmental Specialist

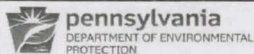
License No.: _____
Date: 1/13/2025



Month: 11 (select number) Year: 2024
 Permit No.: _____ Outfall: 014
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

Statistics for DMR												
Daily Minimum (Conc.)		7.3	30	<	3.8	0.8						
Daily Maximum (Conc.)		7.3	30	<	3.8	0.8						
Max Avg Weekly (Conc.)			30	<	3.8	0.8						
Avg Monthly (Conc.)			30	<	3.8	0.8						
Geometric Mean (Conc.)												
Max Avg Weekly (Load)	0.055		14	<	2	0.4						
Avg Monthly (Load)	0.055		14	<	2	0.4						
Total Monthly (Load)	0.055		413	<	52	11						
Daily Minimum (Load)	0.055		14	<	2	0.4						
Daily Maximum (Load)	0.055		14	<	2	0.4						

Prepared By: James Harvey License No.: _____
 Title: Senior Environmental Specialist Date: 1/13/2025

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

3800-EM-RCW0435 3/2012

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

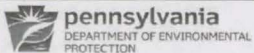
Month: 11 (select number) Year: 2024
 Permit No.: _____ Outfall: 015
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

Parameter			Flow	pH	TSS	Oil and Grease	Total Iron																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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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 Environmental Specialist

License No.: _____
Date: 1/13/2025

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

3800-FM-RCW0435 3/2012

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

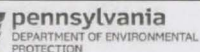
Month: 11 (select number) Year: 2024
 Permit No.: _____ Outfall: 016
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

[illegible]

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 Environmental Specialist

License No.: _____
Date: 1/13/2025



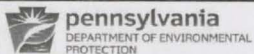
3800-EM-RCW0435 3/2012

Month: 11 (select number) Year: 2024
Permit No.: _____ Outfall: 017
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

[illegible]

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).

License No.: _____
Date: **1/13/2025**

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

3800-FM-BCW0435 3/2012

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

Month: 11 (select number) Year: 2024
 Permit No.: _____ Outfall: 019
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

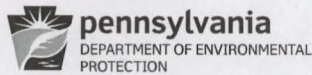
[illegible]

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 P.S. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey
Title: Senior Environmental Specialist

License No.: _____
Date: **1/13/2025**

ENCLOSURE I



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGES OF STORMWATER ASSOCIATED WITH INDUSTRIAL ACTIVITY
ANNUAL REPORT**

FOR THE PERIOD JANUARY 1, 2024 TO DECEMBER 31, 2024

GENERAL INFORMATION

Permittee Name: Energy Harbor Nuclear Corp Permit No.: PA0025615
Permittee Address: 200 St Rt 3016 Permit Issuance Date: Sep. 30, 2021
Permittee City, State, Zip: Shippingport, PA 15077 Permittee Phone: 724-682-7773
Has the permittee's PPC Plan been reviewed and if necessary updated during the reporting period? ☒ Yes ☐ No
Has employee training been provided during the reporting period? ☒ Yes ☐ No Date: 12/31/2024

INSPECTION INFORMATION

1. Document all visual inspections conducted by the permittee during the reporting period below.

Inspection No.	Inspection Date	Inspector Name	Inspector Title	Stormwater Discharge During Inspection?
1	6/6/2024	James Harvey	Sr. Environmental Specialist	<input type="checkbox"/>
2	11/11/2024	James Harvey	Sr. Environmental Specialist	<input checked="" type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
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				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>

2. Check the appropriate boxes to indicate areas, activities and practices evaluated during the inspections:

- ☒ Areas where industrial materials or activities are exposed to stormwater.
- ☒ Areas identified in the PPC Plan as potential pollutant sources.
- ☒ Areas where spills or leaks have occurred in the past three years.
- ☒ Stormwater outfalls and locations where authorized non-stormwater discharges may commingle.
- ☒ Physical BMPs used to comply with this permit.

3. For each inspection, answer the following questions concerning inspection results (check box if answer is "Yes").

Inspection No.	Were raw materials, products or wastes observed that may have or could come into contact with stormwater?	Were leaks or spills from equipment, drums, tanks or other containers observed?	Was off-site tracking of industrial or waste materials or sediment where vehicles enter or exit the site observed?	Was tracking or blowing of raw, final or waste materials from exposed areas to areas of no exposure observed?	Were control measures or BMPs needing replacement, maintenance or repair observed?	Was the presence of authorized non-stormwater discharges not identified in the NOI or unauthorized non-stormwater discharges observed?
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. For any boxes checked above (i.e., for any "Yes" responses), indicate the corrective measures taken or are planned by the permittee.

1/2. Cooling tower silt was removed from Unit 1 in spring and U2 in fall as part of plant outage maintenance and stored in a stockpile area. U1 cooling tower silt was landfill disposed of off-site. U2 cooling tower silt will be disposed of likewise as soon as weather permits in 2025. The stockpile area will be seeded and mulched upon removal of the material.

5. Were all BMPs required by Part C and the applicable Appendix implemented by the permittee during the reporting period? ☒ Yes ☐ No

If No, identify which BMPs were not implemented and efforts being undertaken to begin or resume implementation.

STORMWATER OUTFALL INFORMATION

1. List all stormwater outfalls at the permitted site and provide the information requested below (see instructions). Use additional pages as necessary.

Outfall No.	No Exp.?	Non-SW?	Sampling?	Rep. Outfall	DA (sf)	% Imp.	Description of Materials/Activities in Drainage Area Exposed to Precipitation	Description of BMPs in Drainage Area to Control Pollutants in Stormwater
003	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		495,225	95%	Paved plant yard area, mobile equipment, several transformers	Inspections and maintenance as needed
008	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		40,257	50%	Area surrounding U1 cooling tower, several chemical tanks, paved and unpaved roads	Straw bales and maintenance as needed
011	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		315,667	95%	Paved plant yard area, mobile equipment, several transformers, 2 Oil Water Separators	Containments for oil filled equipment, additional BMPs as needed.
012	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		47,235	90%	Emergency Response Facility parking lot and HVAC blowdown	Containments for oil filled equipment, additional BMPs as needed
013	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		134,830	95%	Paved plant yard area, mobile equipment, several transformers, 1 Oil Water Separator, Unit 2 cooling tower chemical tanks	Containments for oil filled equipment, additional BMPs as needed. Maintenance as needed.
014	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		212,352	80%	Paved plant yard area, mobile equipment, Diesel USTs	Containments for oil filled equipment, additional BMPs as needed. Maintenance as needed.
015	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		58,008	80%	Vehicle entrance road, scaffold storage and laydown	Containments for oil filled equipment, additional BMPs as needed. Maintenance as needed.
016	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		67,223	80%	Vehicle entrance road, mobile equipment	Containments for oil filled equipment, additional BMPs as needed. Maintenance as needed.
017	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		31,490	50%	Security entrance, Vehicle inspection facility, parking lot	Containments for oil filled equipment, additional BMPs as needed. Maintenance as needed.
019	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		1,796,000	20%	Equipment / material laydown area, Unit 2 cooling tower chemical tanks, Emergency outfall chemical tanks, Electrical substation. Hillside drainage	Inspections and maintenance as needed

2. Do any of the outfalls identified above discharge to municipal separate storm sewer system (MS4)? ☐ Yes ☒ No

Name of MS4 owner/operator:

Outfalls discharging to MS4:

3. Have any changes occurred during the calendar year reporting period compared to the previous calendar year? ☐ Yes ☒ No

If Yes, describe the changes:

STORMWATER SAMPLING EVENT INFORMATION

1. For each stormwater sampling event conducted during the reporting period, provide the information in the table below.

Outfall No. Sampled	Sample Date	Duration of Storm Event (hrs)	Sample Collected within First 30 Minutes?	Precipitation Amount (in)	Duration Between Storm Event Sampled and Previous Measurable Storm Event (hrs)	Were Results Reported on DMR?	Were Benchmark Value(s) in Permit Exceeded?	Parameter(s) Exceeding Benchmark Value(s)
003, 008	1/9/2024	12	<input type="checkbox"/>	0.49	48	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
011, 012, 013, 014, 015, 016, 017	4/2/2024	8	<input type="checkbox"/>	1.02	48	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
019	5/25/2024	4	<input type="checkbox"/>	0.55	168	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
003, 008, 011, 012, 013, 014, 015, 016, 017, 019	11/10/2024	24	<input type="checkbox"/>	0.54	816	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	011 Iron
			<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	

2. Was the need to develop and submit a corrective action plan triggered during the reporting period? ☐ Yes ☒ No

If Yes, date of corrective action plan submission: **N/A**

Date by which corrective measures will be in place: **N/A**

3. If samples were not collected within the first 30 minutes for any stormwater sampling event, provide an explanation below as to why this could not be done.

Plant logistics and personnel scheduling do not always permit sampling to take place within the first 30 minutes of a rain event. The number of samples, distance between sample points, and staffing availability challenge the plants ability to collect all the required samples in a 30 minute period.

CERTIFICATION

I certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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).

Robert Kristophel

Name (type or print legibly)

General Plant Manager

Official Title

Signature

Date Signed







Annual cooling water modification letter 2024

Final Audit Report

2025-01-27

Created:	2025-01-27
By:	James Harvey (james.harvey1@vistracorp.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAANI8uVaex3l4Jn9UhBunnfKQVy77FxxkE

"Annual cooling water modification letter 2024" History

-  Document created by James Harvey (james.harvey1@vistracorp.com)
2025-01-27 - 3:21:08 PM GMT- IP address: 165.225.58.13
-  Document emailed to robert.kristophel@vistracorp.com for signature
2025-01-27 - 3:21:46 PM GMT
-  Email viewed by robert.kristophel@vistracorp.com
2025-01-27 - 8:14:25 PM GMT- IP address: 104.47.55.254
-  Signer robert.kristophel@vistracorp.com entered name at signing as Robert J. Kristophel
2025-01-27 - 8:14:59 PM GMT- IP address: 165.225.8.252
-  Document e-signed by Robert J. Kristophel (robert.kristophel@vistracorp.com)
Signature Date: 2025-01-27 - 8:15:01 PM GMT - Time Source: server- IP address: 165.225.8.252
-  Agreement completed.
2025-01-27 - 8:15:01 PM GMT

ENCLOSURE J



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

January 23, 2025
L-25-019

Submitted Electronically via GreenPort

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

SUBJECT:

Beaver Valley Power Station (NPDES) Permit No. PA0025615

In accordance with Part C (V) (F) of NPDES Permit No. PA0025615, Beaver Valley Power Station certifies that no modifications have been made to the operation of any unit at the facility that impacts cooling water withdrawals or operation of the cooling water intake structures during the year 2024.

Should you have any questions regarding this letter, please direct them to Darren Bollman, at 724-682-7359.

Sincerely,

Robert J. Kristophel

Robert J. Kristophel (Jan 27, 2025 15:15 EST)

Robert Kristophel
General Plant Manager

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







Annual cooling water modification letter 2024

Final Audit Report

2025-01-27

Created:	2025-01-27
By:	James Harvey (james.harvey1@vistracorp.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAANI8uVaex3l4Jn9UhBunnfKQVy77FxxkE

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-  Document created by James Harvey (james.harvey1@vistracorp.com)
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-  Signer robert.kristophel@vistracorp.com entered name at signing as Robert J. Kristophel
2025-01-27 - 8:14:59 PM GMT- IP address: 165.225.8.252
-  Document e-signed by Robert J. Kristophel (robert.kristophel@vistracorp.com)
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