

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

> IEZS IE48 NRR

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 Kristophel (Jan 27, 2025 19:17 EST)
Robert Kristophel
General Plant Manager

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)

001

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

	PERM	UIT NU	MBER		OUTFALL NUMBER					
			MONITO	DRING	PERIOD					
	YEAR	МО	DAY		YEAR	МО	DAY			
FROM	2024	12	01	то	2024	12	31			

PA0025615

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:	

PARAMETER		QUA	NTITY OR LOAD	ING	(QUANTITY OR C	ONCENTRATION	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	
Temperature (deg F) (00011)	Sample Measurement	***		***	***		74.2	°F	1/day	1-8
	Permit Requirement	***	***		***	***	110 Daily Max		1/day	1-5
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		LL CONTRACTOR
	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



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

	P	A0025	615			002		Reporting Frequency:	Monthly	
	PERMIT NUMBER OUTFALL NUMB			IMBER	DMR Effective From:	12/01/2024				
				_				DMR Effective To:	12/31/2024	
	MONITORING PERIOD							Permit Expires:	10/31/2026	
					1			Permit Application Due:	05/04/2026	
	YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:		
FROM	2024	12	01	ТО	2024	12	31			

PARAMETER Flow (50050)		QUANTITY OR LOADING			Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	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		Avg Mo	Daily Max	100						



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

	P	A0025	615			003	-	Reporting Frequency:	Monthly	
	PERMIT NUMBER		NUMBER OUTFALL NUMBER				JMBER	DMR Effective From:	12/01/2024	
				_		-		DMR Effective To:	12/31/2024	No.
			MONIT	ORING	PERIOD			Permit Expires:	10/31/2026	
								Permit Application Due:	05/04/2026	
	YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	П	
MC	2024	12	2 01 TO 2024 12 31							

PARAMETER		QUA	NTITY OR LOAD	ING	QUANTITY OR CONCENTRATION				SAMPLING EDECLIENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING ITPE
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		-						THE RESERVE		



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

MONITORING PERIOD

DAY

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

PA00	25615
PERMIT	NUMBER

12 01 TO

YEAR MO

FROM 2024

004 OUTFALL NUMBER

DAY

YEAR MO

2024 12 31

Reporting Frequency:
DMR Effective From:
DMR Effective To:

Monthly 12/01/2024 12/31/2024

Permit Expires:
Permit Application Due:
No Discharge:

10/31/2026		
05/04/2026	Harry Territory	

PARAMETER		QUA	NTITY OR LOAD	ING	(QUANTITY OR C	ONCENTRATION	1	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING TIPE
Temperature (deg F) (00011)	Sample Measurement	***	***	***	***	***	***	°F		
	Permit Requirement	***	***		***	***	110 Daily Max		1/day	1-5
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Chromium, Total (01034)	Sample Measurement *** ***		***	***	***	***	mg/L			
	Permit Requirement	***	***			.2 Avg Mo	.2 Daily Max		1/week	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	Sample Measurement	***	***	***	***	***	***	mg/L		Suza de la Maria
	Permit Requirement	***	***		***	1.0 Avg Mo	1.0 Daily Max		1/week	24-Hr Composite
Aluminum, Total (01105)	Sample Measurement	***	***	***	***	***	***	*** mg/L		
	Permit Requirement	***	***		***	Monitor & Report			2/month	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***		***		1/week	Calculation
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	.5 Avg Mo	1.25 IMAX		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						g me	,			



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	

	P	PA0025615 006						Reporting Frequency:	Monthly	
	PERI	UN TIN	NUMBER OUTFALL NUMBER			MBER	DMR Effective From:	12/01/2024		
				_				DMR Effective To:	12/31/2024	
	MONITORING PERIOD							Permit Expires:	10/31/2026	
					1			Permit Application Due:	05/04/2026	
	YEAR	МО			YEAR	МО	DAY	No Discharge:		
FROM	2024	12		12	12 31					

		QUANTITY OR LOADING			Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING TIPE
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										



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION **BUREAU OF CLEAN WATER**

DISCHARGE MONITORING REPORT (DMR)

MONITORING PERIOD

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

PAOC	125615
PERMIT	NUMBER

12 01 TO

YEAR MO DAY

FROM 2024

007 OUTFALL NUMBER

DAY

YEAR MO

2024 12 31 Reporting Frequency: DMR Effective From: DMR Effective To: Permit Expires: Permit Application Due:

No Discharge:

Monthly 12/01/2024 12/31/2024 10/31/2026 05/04/2026 V

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DADAMETER		QUA	NTITY OR LOAD	ING	Q	UANTITY OR C	ONCENTRATIO	N	O A MIDI ING EDECUTENCY	CAMPI ING TAR
PARAMETER	Mary States to	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPI
Temperature (deg F) (00011)	Sample Measurement		***	***	***	***	***	°F		
	Permit Requirement	***	***		***	***	110 Daily Max		1/day	1-8
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	Permit Requirement *** ***		6.0 Inst Min				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										



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

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

PERM	UN TIN	MBER
		MONIT
YEAR	МО	DAY

FROM 2024

PA0025615

12 01 TO

OUTFALL NUMBER

TORING PERIOD

DAY

YEAR MO

2024 12 31

010

DMR Effective From:
DMR Effective To:
Permit Expires:
Permit Application Due:
No Discharge:

Reporting Frequency:

- 14 1 31-1

PARAMETER		QUA	NTITY OR LOAD	ING		QUANTITY OR C	ONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING ITP
Temperature (deg F) (00011)	Sample Measurement	***	***	***	***	***	53.8	°F	1/day	1-8
	Permit Requirement	***	***		***		110 Daily Max		1/day	1-8
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		3.6	MGD	***	***	***	***	1/week	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***		***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	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										



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					011		Reporting Frequency:	Monthly	
					OUTF	ALL NU	MBER	DMR Effective From:	12/01/2024	
								DMR Effective To:	12/31/2024	
	MONITORING PERIOD							Permit Expires:	10/31/2026	
			T			МО		Permit Application Due:	05/04/2026	
FROM	YEAR	MO	DAY		YEAR		DAY	No Discharge:		
	2024	12	01	ТО	2024	12	31			

DARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING TIPE	
Flow (50050)	Sample Measurement	.004	.004	MGD	***	***	***	***	1/week	Estimate	
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		340	***	***		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	
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

MONITORING PERIOD

YEAR MO

12 31

DAY

DAY

01 TO 2024

YEAR MO

12

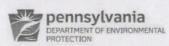
FROM 2024

Reporting Frequency:	Mo
DMR Effective From:	12/
DMR Effective To:	12/3
Permit Expires:	10/3
Permit Application Due:	05/
No Discharge:	

Monthly	
12/01/2024	STAR DISTRIBUTE
12/31/2024	
10/31/2026	
05/04/2026	

DADAMETEDS DEDODTED VALUES

PARAMETER		QUA	QUANTITY OR LOADING			QUANTITY OR C	ONCENTRATION	1	CAMPI INC EDECLIENCY	CAMPI INC TOT
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
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		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				Market Inc.						



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

013

OUTFALL NUMBER

DAY 31

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

	MONITORING PERIOD										
	YEAR	МО	DAY		YEAR	МО					
FROM	2024	12	01	то	2024	12					

PA0025615

PERMIT 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:	

DADAMETER		QUANTITY OR LOADING			(QUANTITY OR C	ONCENTRATION	SAMBLING EDECLIENCY	DAMELING TOP	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
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
Facility Sampling Point Comments				100000000						



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

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ENERGY HARBOR NUCLEAR CORP

ADDRESS:

168 E MARKET ST, AKRON OH, 44308-2014

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

STAGE:

Internal Monitoring Point

PA0025615	
PERMIT NUMBER	

101 **OUTFALL NUMBER**

Reporting Frequency: DMR Effective From: DMR Effective To:

Permit Application Due:

Permit Expires:

No Discharge:

Monthly 12/01/2024 12/31/2024 10/31/2026 05/04/2026

YEAR	МО	DAY	YE
 	3700		

EAR MO DAY FROM 2024 12 01 TO 2024 12 31

MONITORING PERIOD

DADAMETER		QUA	NTITY OR LOAD	ING	(QUANTITY OR C	ONCENTRATION	1	SAMPLING ERECLIENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING ITPE
pH (00400)	Sample Measurement	***	***	***	6.9	***	9.0	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 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 (00610)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/weak	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

P	A0025	615		102		102 Reporting Frequency: Monthly		Monthly	
PERM	UN TIN	NUMBER OUTFALL NUMBER		OUTFALL NUMBER		JMBER	DMR Effective From:	12/01/2024	
			_				DMR Effective To:	12/31/2024	
	MONITORING PERIOD		Permit Expires:	10/31/2026					
		T		Ī		T	Permit Application Due:	05/04/2026	
AR	МО	DAY		YEAR	МО	DAY	No Discharge:		
004	40	04	TO	0004	40	04			

PARAMETER		QUA	QUANTITY OR LOADING			UANTITY OR C	ONCENTRATIO	SAMPLING EDECUTION	CAMPI INC TOPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
pH (00400)	Sample Measurement	***	***	***	7.3	***	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	***	***	***	***	< 4.4	4.7	mg/L	2/month	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max	N-0-19	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	200									



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

	P	A0025	00025615 103		Reporting Frequency:	Monthly				
	PERMIT NUMBER OUTFALL NUMBER			OUTFALL NUMBER			DMR Effective From:	12/01/2024		
			DMR Effective To:	12/31/2024						
1	MONITORING PERIOD							Permit Expires:	10/31/2026	
								Permit Application Due:	05/04/2026	
	YEAR			No Discharge:						
	2024									

PARAMETER		QUA	NTITY OR LOAD	ING	Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		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	8.6	mg/L	2/month	See Permit
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		2/month	See Permit
Oil and Grease (00558)	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

12 01 TO 2024 12 31

DAY

YEAR MO

FROM 2024

108 OUTFALL NUMBER

DAY

YEAR MO

Reporting Frequency:

DMR Effective From:

DMR Effective To:

Monthly
12/01/2024
12/31/2024

Permit Application Due: No Discharge:

Permit Expires:

10/31/2026	
05/04/2026	

PARAMETERS REPORTED VALUES

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

MONITORING PERIOD

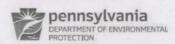


COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER DISCHARGE MONITORING REPORT (DMR)

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		Reporting Frequency:	Monthly		
	PERI	MIT NU	MBER		OUTF	ALL NU	MBER	DMR Effective From:	12/01/2024		
				_				DMR Effective To:	12/31/2024 10/31/2026	A PENTINE	
	MONITORING PERIOD							Permit Expires: 10/	10/31/2026		
								Permit Application Due: 05/04/2026			
	YEAR	МО	DAY		YEAR	МО	DAY	DAY No Discharge:			
FROM	2024	12	01	ТО	2024	12	31				

DADAMETER		QUA	NTITY OR LOAD	ING	Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING EDECLIFICA	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	
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	18.4	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										A CONTRACTOR OF THE PARTY OF TH



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	

12 01 TO

YEAR MO

FROM 2024

211
OUTFALL NUMBER

YEAR MO

2024 12 31

DAY

 Reporting Frequency:
 Monthly

 DMR Effective From:
 12/01/20

 DMR Effective To:
 12/31/20

 Permit Expires:
 10/31/20

 Permit Application Due:
 05/04/20

No Discharge:

Monthly	
12/01/2024	
12/31/2024	
10/31/2026	
05/04/2026	

PARAMETERS REPORTED VALUES

PARAMETER		QUA	NTITY OR LOAD	ING	Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING ITP
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				100000000000000000000000000000000000000						

MONITORING PERIOD

DAY



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

FROM 2024

12 01 TO 2024

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

P	A0025	615		301		Reporting Frequency:	Monthly				
PERMIT NUMBER			OUTF	ALL NU	JMBER	DMR Effective From:	12/01/2024				
						DMR Effective To:	12/31/2024				
1		MONITORI	NG PERIOD			Permit Expires:					
	0.00					Permit Application Due:					
YEAR	MO	DAY	YEAR	МО	DAY	No Discharge:					

 $\overline{\mathbf{Y}}$

PARAMETERS REPORTED VALUES

PARAMETER		QUA	NTITY OR LOAD	ADING QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING ITP
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								The state of the s		

12 31



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: LOCATION: FIRSTENERGY BEAVER VALLEY POWER STATION 1

STAGE:

PA ROUTE 168, SHIPPINGPORT PA, 15077 Internal Monitoring Point

YEAR MO DAY FROM 2024 12 01

PA0025615

PERMIT NUMBER

YEAR MO TO 2024 12

303

OUTFALL NUMBER

DAY

31

Reporting Frequency: DMR Effective From: DMR Effective To:

Permit Expires:

No Discharge:

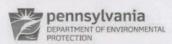
Permit Application Due:

Monthly 12/01/2024 12/31/2024 10/31/2026

05/04/2026 V

PARAMETER		QUA	NTITY OR LOAD	DING QUANTITY OR CONCENTRATION				SAMPLING EDECLIENCY	SAMPLING TYPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING ITPE
pH (00400)	Sample Measurement	***	***	***	***		***	S.U.		
	Permit Requirement	***	***		6.0 Inst Min	**	9.0 IMAX		2/month	Grab
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										

MONITORING PERIOD



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

LOCATION:	PA ROUTE 168, SHIPPINGPORT PA, 15077
STAGE:	Internal Monitoring Point

	PA0025615					313		Reporting Frequency:	Monthly				
	PERI	MIT NU	MBER	1	OUTF	ALL NU	IMBER	DMR Effective From:	12/01/2024				
				_				DMR Effective To:	12/31/2024	A Children			
	MONITORING PERIOD							Permit Expires:	10/31/2026				
								Permit Application Due: 05/04/2026					
	YEAR	MO	DAY		YEAR	МО	DAY	No Discharge:	П				
FROM	2024	12	01	то	2024	12	31						

DADAMETER		QUA	NTITY OR LOAD	ING	Q	UANTITY OR C	ONCENTRATIO	ON	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING ITPE
pH (00400)	Sample Measurement	***	***	***	7.4	***	8.2	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 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

	P	A0025	815			401		Reporting Frequency:	Monthly	
	PERI	MIT NU	MBER		OUTF	ALL NU	IMBER	DMR Effective From:	12/01/2024	
				_				DMR Effective To:	12/31/2024	
			MONIT	ORING	PERIOD			Permit Expires:	10/31/2026	5 6 5 7 7 7 7 7
			T		I		T	Permit Application Due:	05/04/2026	
	YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:		
FROM	2024	12	01	ТО	2024	12	31			

PARAMETER		QUA	NTITY OR LOAD	ING	Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING EDECLIFICA	OAMBUNO TOP
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
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)

MONITORING PERIOD

2024 12 31

NAME:

ENERGY HARBOR NUCLEAR CORP

ADDRESS:

168 E MARKET ST, AKRON OH, 44308-2014

PA ROUTE 168, SHIPPINGPORT PA, 15077

FACILITY: LOCATION: FIRSTENERGY BEAVER VALLEY POWER STATION 1

STAGE:

Internal Monitoring Point

YEAR MO DAY YEAR MO FROM 2024 12 01 TO

PA0025615

PERMIT NUMBER

403 OUTFALL NUMBER

DAY

Reporting Frequency: DMR Effective From: DMR Effective To: Permit Expires:

Permit Application Due:

Monthly 12/01/2024 12/31/2024 10/31/2026 05/04/2026

No Discharge:

V

PARAMETER		QUA	NTITY OR LOAD	ING		QUANTITY OR C	ONCENTRATION	1	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING ITP
pH (00400)	Sample Measurement	***	***	***	***	***		S.U.		
	Permit Requirement	***	***		6.0 Inst Min	-	9.0 IMAX		Weekly when Discharging	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***				30.0 Avg Mo	100.0 Daily Max		Weekly when Discharging	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***			15.0 Avg Mo	20.0 Daily Max		Weekly when Discharging	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		Weekly when Discharging	Grab
Chromium, Total (01034)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	**			**	.2 Avg Mo	.2 Daily Max		Weekly when Discharging	Grab
Zinc, Total (01092)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		-	1.0 Avg Mo	1.0 Daily Max		Weekly when Discharging	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		**	***	-		Weekly when Discharging	Estimate
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***		mg/L		
	Permit Requirement	***			**	.5 Avg Mo	1.25 IMAX		Weekly when Discharging	Grab
Nalco H150M (51698)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***			**	.034 Avg Mo	.034 Daily Max		Weekly when Discharging	Grab
Hydrazine (81313)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***			**	.007 Avg Mo	.007 Daily Max		Weekly when Discharging	Grab
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

MONITORING PERIOD

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

12 01 TO

DAY

YEAR MO

FROM 2024

601 OUTFALL NUMBER

YEAR MO

2024 12 31

DAY

Reporting Frequency:
DMR Effective From:
DMR Effective To:

Monthly
12/01/2024
12/31/2024

Permit Expires:
Permit Application Due:
No Discharge:

10/31/2026 05/04/2026

PARAMETER		QUA	NTITY OR LOAD	ING	(QUANTITY OR C	ONCENTRATION	1	CAMPI ING EDECLIENCY	SAMPLING TYP
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING ITP
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	**	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	_ ***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		1/week	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***			Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	THE PROPERTY OF THE PARTY OF TH	
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Hydrazine (81313)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
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)

MONITORING PERIOD

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

12

DAY

01 TO

YEAR MO

FROM 2024

701 OUTFALL NUMBER

DAY

YEAR MO

2024 12 31

Reporting Frequency:
DMR Effective From:
DMR Effective To:

No Discharge:

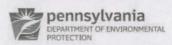
Monthly 12/01/2024 12/31/2024

Pe

Permit Expires:
Permit Application Due:

10/31/2026 05/04/2026

PARAMETER		QUA	NTITY OR LOAD	ING	(QUANTITY OR C	ONCENTRATION	1	SAMPLING FREQUENCY	SAMPLING TYP
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING ITP
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***		mg/L		
	Permit Requirement		***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		1/week	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max			***	***		1/week	Estimate
Hydrazine (81313)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab



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	2025-01-23T13:24:26-05:00	
inual 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

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
---	---	----------------	-----------------------------	-----------------------------------	--------------------	--------------------------------------	----------

OTHER PERMIT VIOLATIONS

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

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction		TELEPHO	NE	DATE			
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	Robert Kristophel	(724)	682-7773	2025	01	28	
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 unsworm falsification to authorities).	SUBMITTED BY	AREA CODE	NUMBER	YEAR	МО	DAY	

ENCLOSURE B



Watershed:

SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name:	Beaver Valle	v Power Station	- Unit 1

Shippingport Borough Municipality:

County: Beaver Ohio River

Month: December NPDES Permit No.:

Year:

2024 001

PA0025615 Outfall:

Renewal application due 180 days prior to expiration.

This permit will expire on: October 31, 2026

		Chemical Names														
			Control Br		The second second	ctant	Dispersant		Acti Brom		Biocide	Nalco				
		Liquichlor	7		Nalco		3DT-		13			50M	Nalco		Nalco	
Day	gallons	Ibs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	Ibs	gallons	lbs	gallons	lbs
1	527.0		33.0		0.0		25.0		11.0		0.0		36.0		0.0	
2	661.0		39.0		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	A TALL	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	THE PARTY	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	- 446	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	3.33	0.0	THE PERSON	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	Tile suite	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	HITE IN
28	399.0		23.0		0.0		25.0		11.0		0.0	A Section	47.0	THE	0.0	
29	397.0	A LOCATION	23.0	1000	0.0		25.0	No. 19	11.0	- Charles	0.0		47.0		0.0	KSIMA
30	458.0	MAKE SH	23.0	4354	0.0	13349	25.0		11.0		0.0		44.0		0.0	MANAGE
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		34.77		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	License No.:		
Title:	Environmental Specialist	Date:	1/15/2025	



Watershed:

SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name:	Beaver	Valley	Power	Station	- Unit 2

Ohio River

Municipality: Shippingport Borough

County: Beaver

Month: December
NPDES Permit No.:

PA0025615 Year: Outfall:

2024 001

Renewal application due <u>180 days</u> prior to expiration.

This permit will expire on: October 31, 2026

							7 34 74 7	Chemic	al Names		THE		11777		177.175	
	A PART OF THE PART	13.74	Control Br	om CB-	Surfa	ctant	Dispersant	Nalco	Biocide	Nalco	Dechlo	rination	Acti Brom	Nalco	7 44 10 1	
	Bleach L	iquichlor	7	0	Nalco	73550	3DT-	120	H15	0-M	Nalco	7408	1318			
Day	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	Ibs	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	La Print	16.0		0.0		0.0		0.0		C. C	
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	MANAGE	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	M. A. Carrie	0.0		0.0		1000002	
12	218.0		9.0		27.0		16.0	AFLEL	0.0	77 10 11 11	0.0		0.0			
13	291.0		0.0		27.0		16.0		0.0		0.0		0.0			The same
14	388.0		0.0		27.0		16.0		0.0	TOTAL STREET	0.0		0.0	Several Control	15/15/15	
15	372.0	FINE DEL	0.0		27.0		16.0		0.0	1018 1111	0.0		0.0			
16	723.0		35.0		27.0		16.0		0.0	N. F. por	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		11/10/05/20	
19	347.0		20.0		27.0		16.0		0.0		0.0		0.0		The state of the s	
20	396.0		20.0		27.0		16.0		0.0	3000	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	11/1/2017		
25	0.0		0.0		0.0		16.0		0.0		0.0		0.0			
26	340.0		18.0		27.0		16.0	Land Her	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	LEATE	0.0		0.0		0.0			
29	420.0		23.0		27.0		16.0	TENT	0.0	100000	0.0		0.0			
30	582.0		23.0		27.0	HE WAR	16.0	S DOM:	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	Diversity of	16.2									
Maximum	723.0		35.0		27.0	LIMAS	22.0			ALC: NO.		Tell nic				

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	Ī

License No.:

Date:

1/15/2025



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

- 'I'' NI	- 11
Facility Name:	Beaver Va

Municipality:

Watershed:

lley power Station

Shippingport Borough

Ohio River

County: Beaver Month: December NPDES Permit No.:

Year:

2024

Outfall:

003

Renewal application due 180 days prior to expiration.

PA0025615

This permit will expire on:

October 31, 2026

	Chemical Names RO Antiscalant Klaraid IC1172 Nalco Ultrion															
	100000000000000000000000000000000000000						- WAST			4.77						
Davi	Hypers gallons	lbs	Goag gallons	lbs	Goage gallons	Ibs	gallons	Ibs	gallons	lbs	gallons	Ibs	gallons	lbs	gallons	lbs
Day 1	0.0	IDS	0.51	Ins	0.72	IDS	ganons	IDS	gallons	IDS	galions	IDS	gallons	IDS	gallons	IDS
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	TOP TO										
6	0.0		0.8		0.72											
7	0.0		0.58		0.72											
8	0.0		0.0		0.72					The same						
9	0.0		1.24		0.72											
10	0.0		1.75		0.72	1111						727				1270
11	0.0	The second	0.51		0.72											Septem 1
12	0.0		0.29		0.72	7 4 7 2 5										Treet,
13	0.0		0.8		0.72				75.00							
14	0.0		0.73		0.72	19/19/14								THE BEST		
15	0.0		0.0		0.72							1				Reference
16	0.0		1.31		0.72											
17	0.0	TO THE STATE OF	1.75		0.72				1		100					
18	0.0	1	0.65		0.72				10.255							
19	0.0		0.0		0.72											
20	0.0		1.02		0.72										300	
21	0.0		1.61		0.72	1588										
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	14 - 14 - 14	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	Bol	lman
----------	-----	--------	-----	------

Title:

Environmental Specialist

License No.:

Date:

1/15/2025



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name:	Beaver Valley Power Station -	Unit 1	Month: December	Year: 2024
Municipality:	Shippingport Borough	County: Beaver	NPDES Permit No.: PA00256	5 Outfall: 004
Watershed:	Ohio River		Renewal application due 180 days	prior to expiration.
			This permit will expire on: Octo	ber 31, 2026

		Chemical Names														
	Dechlor Nalco				1		100				1774					ya k
Day	gallons	Ibs	gallons	lbs	gallons	Ibs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	Ibs
1	0.0															
2	0.0		100000													
3	0.0															
4	0.0															
5	0.0														- 11-0-12-1	
6	0.0		20													
7	0.0															
8	0.0															
9	0.0		1127214						21. 1-11.							HILLE
10	0.0			7566			100000000000000000000000000000000000000									
11	0.0	1000		141-6-14												
12	0.0					E V N C					0.000					
13	0.0												- Maria	Light Street		
14	0.0	J. S. B. D.														
15	0.0	B 79 6 6 6						DESCRIPTION OF THE PROPERTY OF		TANK SEE				A REAL PROPERTY.		Wat BIN
16	0.0	111-1-1-1									7477					1000
17	0.0														111111111111111111111111111111111111111	
18	0.0												TO THE OWNER		7 (100)	TERRITOR .
19	0.0	No. of the							TO LESS		MAN ST					
20	0.0															N. V. LET
21	0.0								The state of						1 1 1 1 1 1	TA PRO
22	0.0															THE STATE OF
23	0.0															
24	0.0	NAME OF					100000		17/10/17					1		N. PALES
25	0.0							A ROSE TO THE				10000				
26	0.0	MHOTEL III								17491		FE 1955		101400		13.53
27	0.0					112777										
28	0.0									By His			17/27/42	But it is		
29	0.0	MAGA						BATTABLE								
30	0.0															
31	0.0													444	Marine Marine	
Average								200		104 (2)						
Maximum										100						market and

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 I	By: Darren Bollman	License N	0.:	
Title:	Environmental Specialist	Date:	1/15/2025	The Taylor Labor



Municipality:

Watershed:

SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name:	Beaver Vallley Power Station
Facility Name:	beaver valley rower station

Ohio River

Shippingport Borough

County: Beaver

Month: December
NPDES Permit No.:

PA0025615

Year: Outfall:

2024 010

Renewal application due $\underline{\textbf{180 days}}$ prior to expiration.

This permit will expire on:

October 31, 2026

	Chemical Names															
	Control-Br				Dechlor		Corrosio									
	7		Nalco I	1-150M	NALCO	7408	NALCO									
Day	gallons	Ibs	gallons	lbs	gallons	lbs	gallons	Ibs	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				METS (114)					
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						100			
10	0.0		0.0		17.97		0.0			TANK DESIGNATION						
11	0.0		0.0		17.97		0.0							Tel divide		300
12	0.0		0.06	1-15	17.97		0.066			PEN TURE						
13	0.0		0.0	3 17	17.97		0.0									
14	0.0		0.0		17.97	127	0.0									
15	0.0		0.0		17.97		0.0							The state of the s		
16	0.0		0.0		17.97		0.0									
17	0.0		0.0		17.97		0.0				16.70			1		
18	0.0		0.0		17.97		0.0			75774				THE PERSON		
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							34.15		
26	0.0	Harris A.	0.0		17.97		0.0									
27	0.0		0.06		17.97		0.066									MARKET ST
28	0.0		0.0		17.97		0.0							Allen or		
29	0.0		0.0		17.97		0.0									
30	0.0		0.0	THE STATE OF	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	Ву:	Darren	Bollman

Title:

Environmental Specialist

License No.:

Date:

1/15/2025

3800-FM-BCW0439 3/2014



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name:	Beaver Valley Power Station -	Unit 1 Secondary		Month: Dec	ember	Year:	2024	
Municipality:	Shippingport Borough	County: B	Beaver	NPDES Permi	t No.: PA0025615	Outfall:	No Outfall	
Watershed:	Ohio River			Renewal appli	cation due 180 days prior	to expiration.		

These feedwater additives are not typically discharged. They are reported to align with DEP guidance. This permit will expire on: October 31, 2026

NAME OF TAXABLE PARTY.	Chemical Names															
			Monoetha													
	Hydra		PT7													
Day	gallons	lbs	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	NA Y K.										Virginian - Virginian		
6	7.0	THE STATE	0.0													
7	7.0		0.0					The Park								
8	7.0		1.0													
9	7.0		5.0									A SUNTEN				
10	6.0		5.0		TAKE SELECTION	TEXA STATE										TO 6
11	6.0		5.0		N. A. Brown		The second	Town Town							1	
12	6.0	THE STATE OF THE S	5.0		RINE N											
13	6.0	MINE VOM	5.0					The same of the					13/12/12/15/15	The state of the s		-734
14	6.0		4.0				100000000000000000000000000000000000000	A TOTAL STREET		SEAGE.		A VANA				721-21-
15	6.0		2.0			A Payre										
16	6.0		0.0												No. of the last of	No. 24 No.
17	6.0		0.0					KI (C. N.)				565				
18	6.0		0.0													
19	6.0		0.0													
20	18.0		0.0								GRATE					
21	7.0		5.0													A STATE
22	7.0		5.0													
23	7.0		2.0													
24	7.0		5.0								Morales					
25	7.0	THE SHOP	5.0													
26	7.0		0.0	77.5												
27	7.0		0.0													
28	7.0	RESERVE T	0.0													
29	6.0		0.0									LEWERY				
30	6.0	ALC: THE	0.0							101-41						
31	6.0		1.0								2					
Average	6.9		1.8													
Maximum	18.0		5.0					14 14 16								

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	License No	0.:	
Title:	Environmental Specialist	Date:	1/15/2025	

3800-FM-BCW0439 3/2014



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

1			
Facility Name:	Beaver Valley	Power Station	- Unit 2 Secondary

Municipality: **Shippingport Borough**

County: Beaver Month: December

Year:

2024

Watershed:

Ohio River

NPDES Permit No.: PA0025615 Renewal application due 180 days prior to expiration.

Outfall:

No Outfall

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

This permit will expire on:

October 31, 2026

		Chemical Names														
	Hydi	azine	Monoetha PT7										970		1700	
Day		lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	Ibs
1	5.0		4.0													
2	5.0		4.0				5.77									-
3	5.0	1000	4.0													
4	13.0		9.0													
5	6.0		4.0													7/1-1/1
6	7.0		4.0													
7	7.0		4.0												HILL LEA	
8	12.0		6.0				1075 65									
9	12.0	U. Carrie	6.0				The land									
10	12.0		4.0			JAN 1	To the Control									MILLIAN
11	12.0		3.0								1000000					
12	12.0		3.0									Track III				
13	12.0	III.	3.0				Total State of the		THE REAL PROPERTY.							
14	8.0		3.0		N. Barrier				Part of the last							
15	12.0		3.0				1000 100									No or other transfer
16	12.0		3.0									VE AND				
17	12.0		1.5													
18	12.0	LAST	0.0													
19	12.0		0.0			25/11						Harris II		109	192399	
20	12.0		0.0													
21	12.0		0.0		64/8/19											
22	12.0		0.0													
23	12.0		0.0												1000	
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	AL ITS										THEFT		THE PARTY
29	12.0		0.0	3941510												241527
30	12.0		1.0													
31	12.0	C sale	0.5													THE
Averag	je 10.7		2.3													
Maximu			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	Bol	lman
Title:	Enviro	nme	ntal

Environmental Specialist

License No.:

Date: 1/15/2025 ENCLOSURE C



3800-FM-BCW0435 3/2012

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

County: Beaver

	1	Parameter Stage	Flow 1		pH 1		TRC	F	ree Available Chlorine	Temperature		NH3-N	Tol	tal Aluminum	Tota	d Chromium	Т	otal Copper		Total Iron	Te	otal Mercury		Total Zinc		Hydrazine 1	N	alco H150M	Tot	al Phenolic
Veek	Day		MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q °F	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L
.	0	404404	057						2.00		\vdash										-								\vdash	
-	Sun	12/1/24	35.7		8.1	4	0.02	<	0.02	60.3	1			0,68				0.0056		1,1	-	0.0002							\vdash	0.043
-	Tue	12/3/24	36.0 35.9		0,1	1	0.02	1	0.02	63.1	<u> </u>			0.00				0.0056		I.I	+	0.0002							+	0.043
+	Wed	12/4/24	35.5						0.03	64.8					+															
1	Thu	12/5/24	37.5			+		<	0.02	63.9																	\vdash			
1	Fri	12/6/24	38.0					<	0.02	63.6																	+			
1	Sat	12/7/24	37.8					<	0.02	65.8																				
2	Sun	12/8/24	35.7					<	0.02	68.6																		- 1		
	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						0,19	60.1																				
	Fri	12/13/24	39.7		7				0.18	69.4	1																			
	Sat	12/14/24	38.0						0.16	68.4	1																			
3	Sun	12/15/24	35.9						0.1	68.3																				
	Mon	12/16/24	34.6		7.2		0.16		0.14	72.5	5																			
	Tue	12/17/24	33.2						0.13	70.7																				
	Wed	12/18/24	35.3						0.12	65.2																				
	Thu	12/19/24	34.9						0.14	64.7																				
_	Fri	12/20/24	35.4					<	0.02	63,6																			\perp	
	Sat	12/21/24	36.2						0.1	61.8		-																	\perp	
	Sun	12/22/24	37.8						0.04	59.9																				
-	Mon	12/23/24	33.3		8.0		0.03	<	0.02	60.2																	-		\vdash	
-	Tue	12/24/24	30.1			-		-	0.04	68.3									-		-								\vdash	
-	Wed	12/25/24	30.4					-	0.07	66.4									+										\vdash	
-	Thu	12/26/24	32.3			-			0.04	66.3									-		-				-				+	
-	Sat	12/27/24	31.3 27.0			+		-	0.07																				+	
	Sun	12/28/24	27.0		-	-	0.02	-	0.05	74.2									1										+	
	Mon	12/30/24			8.0		0.02	-	0.03	70.1									1											
+	Tue	12/31/24	26.3 22.4		0.0			-	0.12	65.4									1											
1	Tue	12/3/1/24	22.4						0.12	05.4	'-																			
1											\vdash																			
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	Daily Minim				7.2	<	0.02	<		59.9				0.24				0.0056		0.56	<									0.017
	Daily Maxim				8.1		0.16		0.19	74.2				0,68				0.0056		1.1	<	0.0002								0.043
N	fax Avg Wei						0.16	<	0.11	68				0.68				0.0056		1.1	<	0.0002								0.043
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- 1	Max Avg We		36.6				46	14	31					204				2		330	<	0.06								13
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		nthly (Load):	1056.3			<	439	<	587		-			4257				52		7667	<	2								277
	Daily Minin		22.4			<	5	<	6		-			70				2		164 330	<	0.06								5
	Daily Maxin	num (Load):	39.7				46		60					204							<									

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	1
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 awar	b
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	



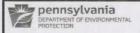
3800-FM-BCW0435 3/2012

acility Name:	Beaver Valley Power Station			Month:	12 (select number)	Year:	2024	
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	PA0025615	Outfall:	002	
Natershed:	20-B			Renewal appli	cation due 180 day	ys prior to exp	iration.	
aboratories:	TestAmerica, BVPS Lab			This permit wil	l expire on:	ctober 31, 202	6	

bora	atories:	Test	America, B	PS Lab					This permit	will expire on:	October 31, 202	26	_						
	F	'arameter	Flow				100			The state of the s									
		Stage	1				1												
ek	Day	Date	MGD	Q	Q		a		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
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1																			
+	Sun	12/1/24																	-
+	Mon	12/2/24	0.046				++												
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+	Thu	12/5/24	_				+												-
+	Fri	12/6/24						-											
+	Sat	12/7/24					+												
	Sun	12/8/24																	
1	Mon	12/9/24	0.046			-													
	Tue	12/10/24																	
	Wed	12/11/24																	
	Thu	12/12/24																	
	Fri	12/13/24																	
+	Sat	12/14/24				P													
	Sun	12/15/24																	
1	Mon	12/16/24	0.046																
1	Tue	12/17/24																	
+	Wed	12/18/24																	
+	Thu	12/19/24					-												
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Prepared By:	Darren Bollman	License No.:		
Title:	Environmental Specialist	Date:	1/15/2025	



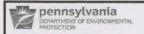
3800-FM-BCW0435 3/2012

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

County: Beaver Z0-B TestAmerica, BVPS Lab

							-					1 1115011													-					
	Paramet		low	NH3-N	10	otal Aluminum	10	otal Mercury	H	lydrazine	Na	alco H150M			18															
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Tue			121	_		0.22	+	0.0002	+		1						\vdash		\vdash										\rightarrow	-
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	finimum (Conc	:.):	-		-	0,22	<	0.0002				-		-		-		-		-		-		Tarrest State of Contract of C		-				
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	g Monthly (Loa		.293			3	<	0.0004																						
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	Maximum (Load		386			5	<	0.0006	1																				-	
- unity in		0.		_							-		_																_	_

	system or those persons directly responsible	for gathering the information, the	information submitted is, t	ualified personnel gather and evaluate the information submitted. Based on my to the best of my knowledge and belief, true, accurate and complete. I am aware .§ 4904 (relating to unsworn falsification).
Prepared By:	Darren Bollman	1	License No.	
Title:	Environmental Specialist		Date:	1/15/2025



Laboratories:

SUPPLEMENTAL REPORT

3800-FM-BCW0435 3/2012

DAILY EFFLUENT MONITORING

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 is building to be 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 knowledge violations. See 18 Pa. C.S. § 4004 (relating to unsworm falsification).

License No.:

Date:

1/15/2025

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

Prepared By: Darren Bollman

Environmental Specialist

County: Beaver

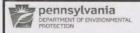
2024 004

 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

	Pa	rameter	Flow		рН		TRC		ree Available Chlorine	Те	mperature	Tot	al Aluminum	Tota	al Chromium	To	otal Copper	T	otal Mercury		Total Zinc										
		Stage	1		1		1		1		1		1		1		1		1		1										
ek	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	Q	mg/L	Q		Q		Q		Q		Q	4,77
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	Tue	12/3/24	0.0							+				\vdash																-	
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	Thu	12/5/24	0.0							+ +																\vdash				-	-
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	Sat	12/7/24	0.0							+ +				\vdash						\vdash										-	
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		12/10/24	0.0																											1	
		12/11/24	0.0																											-	
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	Sat	12/14/24	0.0		1000																								107001		
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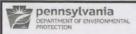
3800-FM-BCW0435 3/2012

Facility Name:	Beaver Valley Power Station			Month:	12 (select number)	Year:	2024	
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	PA0025615	Outfall:	006	
Watershed:	20-B		-	Renewal ap	plication due 180 da	ys prior to exp	iration.	
Laboratories:	TestAmerica BVPS Lab			This permit	will expire on:	October 31, 202	6	

aboratorie	S: Test	tAmerica, E	VPS Lab			This pe	rmit will expire on:	October 31,	2026							
	Parameter	Flow	-300													
																100000
Control Day	Stage Date	1 MGD				Q		91	Q I	Q						
ek Day	Date	MGD	Q	Q	Q	Q	Q	9	- u	Q	Q	Q	Q	Q	Q	Q
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Wed																
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Mon		0.016														
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Fri	12/20/24															
Sat	12/21/24															
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Mon		0.016														
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Thu																
Fri	12/27/24															
Sat	12/28/24															
5 Sun	12/29/24															
Mon		0.016														
Tue	12/31/24															
tistics for Di	AD.															
	nimum (Conc.):	Total Street, or other Designation of the last of the	-	THE OWNER OF TAXABLE PARTY.		The second name of	- Company of the last last	-	-	STATE OF THE PARTY OF		-	-	-	-	7
	ximum (Conc):															
Max Avg	Veekly (Conc.):															
	tonthly (Conc.):															
Geometric	Mean (Conc.):															
Max Avg	Weekly (Load):	0.016														
	Monthly (Load):	0.016														
	Monthly (Load):	0.08														
	inimum (Load):	0.016														
Daily Ma	eximum (Load):	0.016														

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, thue, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge. Set of 18 a. C. 5, \$4004 (relating to unsworm falsefication).

Prepared By:	Darren Bollman	License No	0.1	
Title:	Environmental Specialist	Date:	1/15/2025	



3800-FM-BCW0435 3/2012

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

 Month:
 12 (select number)
 Year:
 2024

 Permit No.:
 PA0025515
 Outfall:
 007

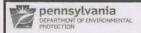
 Renewal application due 180 days prior to expiration.

 This permit will expire on:
 October 31, 2026

	P	arameter Stage	Flow 1	pl 1			TRC 1	Fre	ee Available Chlorine	Te	emperature 1	N	alco H150M																
eek	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	•F	Q	mg/L	Q		Q		Q	Q	Q		Q		Q		Q		Q	
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	Fri	12/5/24								\vdash		-				-			-										
	Sat	12/7/24			-	-				\vdash						-			-	-				-		-		-	
	Sun	12/8/24														-			+										
	Mon	12/9/24	0.0																										
	Tue	12/10/24	-,0				-	1																					
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	Mon	12/16/24																											
	Tue	12/17/24																											
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	Fri	12/20/24								\vdash						-													
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Da	ily Maxim	um (Load):	0			-																							-

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
equiry 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
nat 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	



Watershed: Laboratories:

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

3800-FM-BCW0435 3/2012

Facility Name: Municipality:

Shippingport Borough
20-B
TestAmerica, BVPS Lab County: Beaver
 Month:
 12 (select number)
 Year:
 2024

 Permit No.:
 PA0025615
 Outfall:
 010

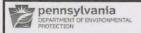
 Renewal application due 180 days prior to expiration.
 This permit will expire on:
 October 31, 2026

Year: 2024 Outfall: 010

		arameter Stage	Flow 1		pH 1		TRC		cee Available Chlorine	Temperat	ture	Tot	tal Mercury	Na	Ico H150M															
/eek	Day		MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q º	F	Q	mg/L	Q	mg/L	Q		Q		Q	Q		Q		Q		Q		Q	
							-139																							
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1	Sun	12/1/24	-								50.7	-		-				-			-		\vdash						-	
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-	Tue	12/3/24	0.0		1.1	1	0.02	-	0.02		51.9	-	0.0002			-		-					-		\vdash		-		+	
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-	Thu	12/5/24						\vdash	1		51.1																		+	
-	Fri	12/6/24						\vdash			49.2							-					1							
-	Sat	12/7/24				\vdash		\vdash			49.2							_											-	
2	Sun	12/8/24						H			48.7																			
-	Mon	12/9/24	3.6								48.7							-												
\rightarrow	Tue	12/10/24	2.88		7.0	<	0.02		0.02		48.9	<	0,0002	1				1												
	Wed	12/11/24			7.0		0.02		0.02		50																		+	
	Thu	12/12/24	7								48.3																			
	Fri	12/13/24									49.2																			
	Sat	12/14/24	7.07								49.4													77.00						
3	Sun	12/15/24									51.2																			
	Mon	12/16/24	2.88		7.5		0.09		0.06		50.2																			
	Tue	12/17/24	1014								50.7																			
	Wed	12/18/24									51.2																			
	Thu	12/19/24									53.4													10000000						
	Fri	12/20/24							12 7 12 13		53															1.548766				
	Sat	12/21/24									53																			
4	Sun	12/22/24									53.8																			
	Mon	12/23/24	2.88		8.0	<	0.02	<	0.02		51.4																			
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	Wed	12/25/24									51																			
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	lax Avg Wee						0.09		0.06		2	<	0.0002																	
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	Avg Mor	thly (Load):	3.12		#REF!	<	#REF!	<	#REF!	#RI	EF!	<	#REF!		#REF!		#REF!		#REF!	#REF!		#REF!		#REF!		#REF!		#REF!		#REF!
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	Daily Minim		2.88		#REF!	###	#REF!	###	#REF!	#RI		###	#REF!		#REF!		#REF!		#REF!	#REF!		#REF!		#REF!		#REF!		#REF!		#REF!
	Daily Maxim		3.6		#REF!	###	#REF!	###	#REF!	#R		###	#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 is best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting faster information, including the possibility of fine and improvement for knowledy evidations. Set 18 Pa. C.S. § 4804 (religing to unsworn bilaffication).

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



SUPPLEMENTAL REPORT

3800-FM-BCW0435 3/2012

DAILY EFFLUENT MONITORING

 Month:
 12 (select number)
 Year:
 2024

 Permit No.:
 PA0025615
 Outfall:
 011

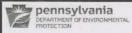
 Renewal application due
 180 days
 prior to expiration.

 This permit will expire on:
 October 31, 2026
 Facility Name: Municipality: Watershed: Laboratories: Beaver Valley Power Station
Shippingport Borough
20-B
TestAmerica, BVPS Lab 2024 011 County: Beaver

aboratories	Test	America, B	VPS L	ab			Inis pe	rmit will expire on:	October 31,	2026							
	Parameter	Flow	То	tal Mercury						51 7 5					B. FAR.		
	Stage	1		1		37 77											
eek Day		MGD	Q	mg/L	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
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Mon	12/2/24																
Tue	12/3/24	0.004	<	0.0002													
Wed				2.000													
Thu	12/5/24																
Fri	12/6/24																
Sat	12/7/24																
2 Sun	12/8/24																
Mon	12/9/24	0.004	<	0.0002													
Tue	12/10/24																
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Tue	12/31/24																
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itistics for DN	9		-	Annual Control													
	imum (Conc.):		<	0.0002	1	STREET, SQUARE, SQUARE	THE R. P. LEWIS CO., LANSING, MICH.		T-1			Name and Address of the Owner, where the Owner, which the			-	-	The Party Name of Street, or other Designation of the Party Name o
	imum (Conc.):		<	0.0002													
	/eekly (Conc.):		<	0.0002													
	onthly (Conc.):		<	0.0002													
	Mean (Conc.):			0.0002													
	Neekly (Load):	0.004	<	0,000007													
	Monthly (Load):	0.004	<	0.000007													
Total N	Monthly (Load):	0.02	<	0.0002													
	nimum (Load):	0.004	<	0.000007													
	ximum (Load):	0.004	<	0.000007													
The same of the same										and the second second							

I certify under pensity 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, thus, accurate and complete, I am aware that there are significant penalized resubmitting false information, including the possibility of fine and impressionment for knowledge shorts. See 18 Pa. C. 5.5, 4900 (relating to unsworm bilaficiation).

Prepared By:	Darren Bollman	License N	0.:	
Title:	Environmental Specialist	Date:	1/15/2025	



Municipality:

Watershed:

Laboratories:

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

3800-FM-BCW0435 3/2012

Facility Name:

Beaver Valley Power Station Shippingport Borough 20-B County: Beaver TestAmerica, BVPS Lab

Year: 2024 Outfall: 012

 Month:
 12 (select number)
 Year:
 2024

 Permit No.:
 PA0025615
 Outfall:
 012

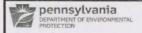
 Renewal application due 180 days
 prior to expiration.

 This permit will expire on:
 October 31, 2025

1000	-	and the same								_			_	_					1						_	
1000	-	Parameter	Flow		pH	Tot	tal Cadmium	To	otal Copper	To	otal Zinc										100			100		
100					•																	THE RESERVE				
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	Tue	12/3/24	0.001		1.1	1	0.001		0.11	-	0.075			-			-								-	
	Wed	12/4/24																							-	
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	Fri	12/6/24																							-	
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	Tue	12/10/24	0.001		7.9	<	0.001		0.064		0.034															
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	Tue	12/3/1/24																								
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40.1	Daily Minim	um (Conc.):			7.7	<	0.001		0.064		0.034															
	Daily Maxim				7.9	<	0.001		0.11		0.075															
, ,	Max Avg Wee					<	0.001		0.11		0.075															
		thly (Conc.):				<	0.001		0.087		0,055															
	Geometric Me			- 1																						
	Max Avg We		0.001			<	0,000008		0.0009		0.0006															
		nthly (Load):	0.001			<	0.000008		0.0007		0.0005															
	Daily Minin	nthly (Load):	0.002			<	0.0003		0.02		0.003														-	
	Daily Maxin		0.001	-		<	0.000008		0.0009	+	0.0003						_								-	
	Dany Maxin	num (Load):	0.001		_	1	0.000000		0.0009		0.0000															

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 is building the possibility of fire and imprisonment for knowledge value of submitting feater information, including the possibility of fire and imprisonment for knowledge value yoldations. See 18 Pa. C. S. § 4904 (relating to unsworm billification).

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



3800-FM-BCW0435 3/2012

DAILY EFFLUENT MONIT

Facility Name: Beaver Valley Power Station Month: 12 (select number) Year: 2024

Municipality: Shippingport Borough County: Beaver Permit No.: PA0025615 Outfall: 013

Watershed: 20-B Renewal application due 180 days prior to expiration.

Laboratories: TestAmerica, BVPS Lab This permit will expire on: October 31, 2026

aborato	ries. 1	estAmerica,	BVPSI	ab					This permit v	will expire on.	October 31, 2026										
	Paramet	er Flow		рН	To	tal Copper															
	Sta	ge 1		1		1															
Veek [Day Date		Q	S.U.	Q	mg/L	Q		Q	Q	Q	Q	Q	Q	Q	Q	Q		Q	Q	
	Sun 12/1/																			+	
	/lon 12/2/																				
	Tue 12/3/			7.9	1	0.0034	-													\perp	
	Ved 12/4/																			+	
	Thu 12/5/.						\vdash													+	
	Fri 12/6/				-															+	
	Sat 12/7/.		-		+															+	
	Sun 12/8/			0.0	-	0.0000														+-	
	Mon 12/9/. Tue 12/10			6,8	-	0.0033														+	
	Ved 12/11/		-		+ +															+	
	Thu 12/12		-		+											++-		-			
	Fri 12/13		-		+ +																
	Sat 12/14				+															_	
	Sun 12/15		-		+															+	
	Mon 12/16		-		1																
	Tue 12/17				++																
	Ved 12/18				1																
	Thu 12/19				+ +																
	Fri 12/20				+ +																
	Sat 12/21				1																
	Sun 12/22																				
	Mon 12/23				1														100		
	Tue 12/24																				
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	Thu 12/26																				
	Fri 12/27																				
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8	Sun 12/29.																				
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T	Tue 12/31	/24																			
stics fo	r DMR	III DENTES DE						A SHELL IN												-	
Daily	y Minimum (Cond	:.):		6.8		0.0033															
	y Maximum (Con			7.9		0.0034															
Max A	Avg Weekly (Con	c.):				0.0034															
	vg Monthly (Con					0.0034															
	netric Mean (Con																				
Max	Avg Weekly (Loa					0,00006															
	Avg Monthly (Los					0.00006															
	otal Monthly (Los					0.002															
	ly Minimum (Loa					0.00006															
Daily	ly Maximum (Loa	d): 0.002				0.00006															

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 is best of my knowledge and belief, thus, accurate and complete. I am aware that there are significant penalties for submitting flasher information, including the possibility of fire and imprisonment for knowledge violations. See 18 78. a. C. 5, 44004 (reliantly to unsworm billiotitation).

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



3800-FM-BCW0435 3/2012

Facility Name: Beaver Valley Power Station
Municipality: Shippingport Borough
Watershed: 20-B
Laboratories: TestAmerica, BVPS Lab
 Month:
 12 (welect number)
 Year:
 2024

 Permit No.:
 PA0025615
 Outfall:
 101

 Renewal application due 180 days prior to expiration.
 October 31, 2026
 Beaver County:

Labor	ratories:	Testa	merica, B	/PS La	0					- ITHS	s permit w	nii exp	olle on.	Octor	per 31, 2026		_												
	1	Parameter	Flow		рН		TSS	Oil	and Grease	NH	3-N	H	lydrazine																
		Stage	1		RI		RI		RI	1	RI		RI																
Week	Day		- A	Q	S.U.	Q	mg/L	Q			mg/L	Q		Q		Q	Q		Q	Q		Q		Q		Q		Q	
														+				_										-	
1	Sun	12/1/24	0.008		7.7	<	4.0		5.0																				
	Mon	12/2/24																											
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	Sat	12/7/24						+						+						-		\vdash		\vdash		\vdash		-	
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	Sat	12/28/24				+																		\vdash				-	
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	Tue	12/31/24																											
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	cs for DMR			E PROPERTY.			CENTRAL DE	Kitta		The same of	NAME OF STREET	TER	STATISTICS	THE INC	AND DESCRIPTION OF	The state of the		122	THE PARTY NAMED IN	200	I DESCRIPTION	The same			THE RESIDENCE OF		TO SHOW THE REAL PROPERTY.	200	NAME OF STREET
	Daily Minim				6.9	<	4	<	4.8																				
	Daily Maxim				9.0	<	4		5																				
٨	Max Avg Wee					<	4.0		5,0														Land Market						
		thly (Conc.):				<	4	<	4.9																				
	Geometric M		0.000				0.0		0.2																			-	
	Max Avg We		0.008			<	0.3		0.3																			-	
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	Daily Maxin	ium (Load):	0.000			1	0.3		0,3									_										_	-

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
nquiry 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

Beaver

Facility Name: Municipality: Shippingport Borough
Watershed: 20-8
Laboratories: TestAmerica, BVPS Lab County:
 Month:
 12 (select number)
 Year:
 2024

 Permit No.:
 PA0025615
 Outfall:
 102

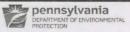
 Renewal application due 180 days prior to expiration.
 This permit will expire on:
 October 31, 2026

2024 102

boratories	Test	America, E	T	au	_		_		_ IIIIs pe	TITIL WIII ex	pile ori.	OCTOBE	1 31, 2026										_					
	Parameter	Flow	13	рН		TSS	Oil	and Grease		38																		
	Stage	1		RI		RI		RI									7777											
ek Day		MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	Q		Q	Q		Q		Q		Q		Q		Q		Q		Q	
			1		-							-															-	
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Sun	12/1/24	0,001		7.5		4.7		6.2																				
Mon	12/2/24										Y L																	
Tue	12/3/24																											
Wed	12/4/24																					1000						
Thu	12/5/24																											
Fri	12/6/24						1																					
Sat	12/7/24				-		1								-				_								_	
Sun	12/8/24		+		1		-								-				-				\vdash				-	_
Tue	12/10/24	0.001	+ +	7.3	<	4.0	<	4.9				-		-	+				-		-						-	_
Wed	12/11/24	0.001	1	7.5	++	4,0	1	4.0				-						-								-	-	
Thu	12/12/24		1		+			-																				-
Fri	12/13/24	1																										
Sat	12/14/24										77767																	
Sun	12/15/24																	100										
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Sun	12/29/24																											
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	mum (Conc.):	-	_	7.3	<	4	<	4.9				-	-	_					-		-					-		-
	imum (Conc):			7.5		4.7		6.2																				
	eekly (Conc.):					4.7		6.2																				
	onthly (Conc.):				<	4.4	<	5.6																				
Geometric	Mean (Conc.):																											
Max Avg V	Veekly (Load):	0.001		#REF!	###	#REF!	###	#REF!	#RE	F!	#REF!		#REF!	#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#RE
	lonthly (Load):	0.001		#REF!	<	#REF!	<	#REF!	#RE		#REF!		#REF!	#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#RE
	lonthly (Load):	0.002		#REF!	<	#REF!	<	#REF!	#RE		#REF!		#REF!	#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#RE
	nimum (Load):	0.001		#REF!	###	#REF!	###	#REF!	#RE		#REF!		#REF!	#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#RE
Daily Max	imum (Load):	0.001		#REF!	###	#REF!	###	#REF!	#RE	F!	#REF!		#REF!	#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REF!		#REI

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, including the possibility of fine and improported for knowledge and belief, thus, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and improported for knowledge violations. See 18 Pa. C. S., § 4304 (relating to unsworm falseflication).

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



3800-FM-BCW0435 3/2012

Facility Name: Beaver Valley Power Station
Municipality: Shippingport Borough
Watershed: 20-B Shippingport Borough 20-B TestAmerica, BVPS Lab County: Beaver
 Month:
 12 (select number)
 Year:
 2024

 Permit No.:
 PA0025615
 Outfall:
 103

 Renewal application due 180 days prior to expiration.
 October 31, 2026

	Parameter	Flow		pH		TSS	Oil	and Grease																	
I Day	Stage Date	1 MGD	QI	RI S.U.	Q	mg/L		mg/L	Q	Q		Q	9	Q		Q	9	Q		91		Q		Q I	
Day	Date	MOD	ų.	3.0.	- u	IIIg/L	1 4	IIIg/L	14	- 4		4		4		Q	4	×		-		4		4	_
							1																		
Sun		0.121		7.5				5,8																	
Mon		0.121			<	4.0																			
Tue	12/3/24	0.121																							
Wed		0.206	\vdash		\perp															-					
Thu	12/5/24	0.360 0.372	\vdash		1																			_	
Fri Sat	12/6/24	0.372					1													+				-	
Sun	12/1/24	0.365	\vdash		1		1		1																
Mon	12/9/24	0.303	\vdash	7.2	+		<	4,9												+					
Tue	12/10/24			1,2			1	4.0												+					
Wed		0,399	\vdash			8,6																			
Thu	12/12/24																								
Fri	12/13/24	0.260																							
Sat	12/14/24	0.153				- 1 3 3 3 4 1																			
Sun	12/15/24	0.121																							
Mon	12/16/24																								
Tue	12/17/24																								
Wed		0.121																							
Thu	12/19/24	0.252									N. C.				-				The state of					_	
Fri	12/20/24	0.293 0.326			1											-									
Sat	12/21/24			-																					
Sun	12/22/24		\vdash		1		-		-							-				+ +					_
Tue	12/24/24	0.356	\vdash		1		1									++				1					_
Wed				1000	1		1																		
Thu	12/26/24																								
Fri	12/27/24	0.345										1 27							1000						
Sat	12/28/24	0.354						VIII TO THE																	
Sun	12/29/24	0.323																							1111
Mon	12/30/24	0.384																					-		100
Tue	12/31/24	0.340						21							1000										
ics for D	10			-							-				-								-	_	
	imum (Conc.):			7,2	<	4	<	4,9			-		-	-	-						-				
	ximum (Conc.):			7.5	1	8.6	1	5.8			-														
	Veekly (Conc.):			7,0		8.6		5,8																-	
	lonthly (Conc.):				<	6,3	<	5.4																-	
	Mean (Conc.):				1	0,0	1	0.4																	
	Weekly (Load):	0,357				29	<	15																	
	Monthly (Load):	0,288			<	16	<	11																	
	Monthly (Load):	8.919			<	506	<	326																	
	nimum (Load):	0.121			<	4		6																	
	oximum (Load):	0.422				29	<	15												1					_

I certify under pensity 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, so the sets of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties to unsworn fails information; including the possibility of fine and impresonment for knowing vision. See 19 Pa. D. S., \$494 (relating to unsworn fails information).

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



3800-FM-BCW0435 3/2012

Facility Name:	Beaver Valley Power Station			Month:	12 (select number)	Year:	2024
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	PA0025615	Outfall:	108
Watershed:	20-B			Renewal ap	plication due 180	days prior to exp	iration.
Laboratories:	TestAmerica, BVPS Lab			This permit v	will expire on:	October 31, 202	16

aborato	ries:	Test/	America, B	/PS Lab					This perr	mit will expire on:	October 31, 2	1026	_						
	Pa	ırameter	Flow	TI	RC							N ST							
			1		RI						The state of the s								
eek D	Day I	Stage				Q	_	Q	Q	Q	Q	Q	Q	Q	Q	Q I	Q	Q	Q
ek L	Jay	Date	MGD	Q	ing/L	4		Q	- u	4	- u	- u	- u	Q	u	4	Q	Q	Q
S	Sun	12/1/24																	
	1on	12/2/24	0.0																
T	Tue	12/3/24																	
V	Ved	12/4/24																	
	Thu	12/5/24																	
	Fri	12/6/24			11														
	Sat	12/7/24																	
	Sun	12/8/24																	
	/lon	12/9/24	0.0																
		12/10/24																	
							-												
		12/12/24									-								
		12/14/24		-															
		12/15/24																	
		12/16/24	0.0																
		12/17/24	0.0																
		12/18/24																	
		12/19/24																	
F		12/20/24																	
5	Sat	12/21/24																	
S	Sun	12/22/24																	
M	1on	12/23/24	0,0																
		12/24/24			01/01/01/01														
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		12/27/24																	
		12/28/24																	
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-	ue	12/3/1/24																	
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stics for	r DMR	Total Inch	Marin Street	-	of Residen	STATE OF STREET	-	AND RESIDENCE	Name of Street, or other Designation of the Owner, where the Parket of the Owner, where the Owner, which the Owner, where the Owner, which the	Section 1		NO CHESTA	STATE OF THE OWNER,	THE RESERVE AND ADDRESS OF THE PARTY OF THE	Name of Street	NAME OF TAXABLE PARTY.	A STATE OF THE PARTY OF	THE SHOOTS	
		n (Conc.):			Total State of the last														
		m (Conc):			75.71														
		ly (Conc.):																	
		ly (Conc.):																	
Geome	etric Mea	in (Conc.):																	
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	y Minimu		0																
Daily	y Maximu	m (Load):	0																

I certify under pensity 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 between between between the person or persons who manage the system or those persons directly responsible for gathering the information, including the possibility of fine and improvement for knowledge youldations. See 18 Pa. C. S., 4804 (religiating to unsworm billaffication).

Prepared By:	Darren Bollman	License N	0.:	
Title:	Environmental Specialist	Date:	1/15/2025	



3800-FM-BCW0435 3/2012

Beaver Valley Power Station

 Month:
 12 (select number)
 Year:
 2024

 Permit No.:
 PA0025615
 Outfall:
 111

 Renewal application due 180 days
 prior to expiration.
 2024 Facility Name: Municipality: Shippingport Borough 20-B County: Beaver Watershed: Laboratories: TestAmerica, BVPS Lab This permit will expire on: October 31, 2026

	1	Parameter	Flow	рН			TSS	Oil	I and Grease															
		Stage	1	RI			RI		RI															
eek	Day	Date	MGD	Q S	S.U.	Q	mg/L	Q	mg/L	Q	Q	Q	Q		Q	Q		Q	Q		Q	Q	Q	
4						_																	-	
-						-														_			-	
	-			-							-									-		+	-	_
1	Sun	12/1/24	0.002	1	.6	<	4.0		6.3													+		
-	Mon	12/2/24				-					-		-							-	-	+	+	_
\rightarrow	Tue	12/3/24				-					++						_			-	_	_	+	_
-	Wed	12/4/24				-		-			+		++									_	+	
-	Fri	12/5/24 12/6/24				-					++		++							-		+	+	_
-	Sat	12/7/24				-					+										-	+	+	_
2	Sun	12/1/24		_		-					+									-		+	1	
-	Mon	12/9/24		_	-	-					+	-	++	-								_		
-	Tue	12/10/24	0.002	6	5.6	<	4.0	<	4.9													_		
-	Wed	12/11/24	0.002	,	,,0	1	4.0	1	4.0															
-	Thu	12/12/24			-				-												_			
-	Fri	12/13/24				_																		
-	Sat	12/14/24		_		_																		
3	Sun	12/15/24																						
	Mon	12/16/24	0.002	7	.9	<	4.0		6.7															
1	Tue	12/17/24	0.002				71.0				1		1											
_	Wed	12/18/24																						
_	Thu	12/19/24																						
\neg	Fri	12/20/24																						
	Sat	12/21/24																						
4	Sun	12/22/24																						
	Mon	12/23/24	0.002	1	8.0		18.4	<	5.0															
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	Mon	12/30/24	0.002	1	8.0	<	4.0	<	4.8															
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	cs for DMR							STATE OF					-									1		
	Daily Minim					<	4	<																
	Daily Maxin				8.0		18.4		6.7															
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		thly (Conc.):				<	6,9	<	5,5															
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		eekly (Load):	0,002			-	0,3		0.1															
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	Daily Minir		0.002			<	0.07	<	0.08															
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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 unsworm falsification).

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

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

aborati	nies.	TestA	merica, B	VPS La	ID .					- This peri	nit will expire on:	October 31,	2026					The Contract		
	Par	ameter	Flow		рН		TSS	Oil	and Grease	PALL								A ACCES		
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	ily Minimun		0.002			<	0.07	<	0.08											
Da	ly Maximun	1 (Load):	0.002				0.09	<	0.09											

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 m	ıy
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 awai	re
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Prepared By:	Darren Bollman	License No.:		
Title:	Environmental Specialist	Date:	1/15/2025	



SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month:	12 (select number)	Year:	2024	
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	PA0025615	Outfall:	301	
Natershed:	20-B			Renewal ap	plication due 180 da	ys prior to exp	iration.	1
_aboratories:	TestAmerica, BVPS Lab			This permit	will expire on:	October 31, 202	6	

abor	atories:	TestA	merica, B\	PS Lab					This permit v	vill expire on:	October 31, 2026		-							
	F	'arameter	Flow	TSS	0	Oil and Grease														
		Stage	1	RI		RI	-													
Veek	Day	Date	MGD	Q mg	/L Q	mg/L	Q		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
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,	Mon	12/2/24	0.0																+	
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_	Thu	12/5/24																		
	Fri	12/6/24																		
	Sat	12/7/24																		
2	Sun	12/8/24																		
	Mon	12/9/24	0.0																	
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	Total Mor	thly (Load):																		
	Daily Minim		0																	
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Prepared By:	Darren Bollman	License No.		
Title:	Environmental Specialist	Date:	1/15/2025	



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:
 303

 Renewal application due 180 days prior to expiration.

This permit will expire on: October 31, 2026

		rameter Stage	Flow 1	pH RI		TSS	Oi	I and Grease															
ek	Day	Date	MGD	Q S.U.	Q	mg/L	Q	mg/L	Q		Q	Q		Q	Q	Q	Q	Q		Q	Q	Q	
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	ally Maximur		0									1											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, including the possibility of fine and improvement for knowing violations. See 18 Pa. C.S. 5, 4950 (relaning to unswern balficitation).

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



SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month:
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:
Watershed:	20-B			Renewal appli
Laboratories:	TestAmerica, BVPS Lab			This permit wil

 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

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	y Minimum (Load				<	0.07	<	0.08																		
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Prepared By: Darren Bollman

License No.:

Prepared By:	Darren Bollman	License No	0.1	
Title:	Environmental Specialist	Date:	1/15/2025	



3800-FM-BCW0435 3/2012

Facility Name: Beaver Valley Power Station
Municipality: Shippingport Borough
Watershed: 20-8
Laboratories: TestAmerica, BVPS Lab County: Beaver

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Daily Ma	ximum (Load):	0.001				0.03		0.06											

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nquiry 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 aw	are
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	Darren Bollman	License No.		
Title:	Environmental Specialist	Date:	1/15/2025	



3800-FM-BCW0435 3/2012

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

County: Beaver

 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

Joratorie	-	estrillerica	, 5410	Lub						Triis portilit v			-	Del 31, 2020	_						_	,						
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ek Da	y Date		Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	Q		Q	Q		Q	
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	Prepared By:	Darren Bollman	License No.:	
	Title:	Environmental Specialist	Date:	1/15/2025



Laboratories:

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

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

 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

2024 601

	F	arameter Stage	Flow 1	pH RI		TSS	Oil	and Grease		NH3-N RI		Hydrazine																	
feek	Day			Q S.U.	Q		Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q	Q		Q		Q		Q		Q		Q	
							5																						
1	Sun	12/1/24																											
-	Mon	12/2/24	0.0		-								\vdash		_													-	
-	Tue	12/3/24											\vdash																
-	Wed	12/4/24											-											\vdash		-		-	
-	Thu	12/5/24											\vdash		-			-										-	
-	Fri	12/6/24															-	-		\vdash								-	
2	Sat	12/7/24																										-	
4	Sun	12/8/24 12/9/24	0.0															-										-	
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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, including the possibility of the person or persons who manages the system or those persons directly responsible for gathering the information, including the possibility of fine and improvement for knowing violations. See 18 Ps. C.S. § 4804 (religing to unsworm fillaficiation).

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



3800-FM-BCW0435 3/2012

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

 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

	The same						Τ																							
	Parameter	Flow		Н		TSS	Oil	and Grease		NH3-N	'	lydrazine																		
No.	Stage	1		RI		RI		RI	_	RI	_	RI					_										<u></u>			
k Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q	_
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Tue	12/17/24						+				\vdash		-				+												-	
Thu	12/19/24						1										+												-	
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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
nquiry 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
hat 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 unsworm falsification).

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

ENCLOSURE D

3800-FM-BCW0010 2/2020



Watershed:

SUPPLEMENTAL REPORT - COOLING WATER INTAKE MONITORING

Facility Name:	Beaver Valle	y Power Station	- Unit 1

Municipality: Shippingport Borough

20-B 20-D

gport Borough County: Beaver

Month: December

2024

Year:

NPDES Permit No.: PA0025615

Renewal application due $\underline{\textbf{180 days}}$ 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		THE THE PLANT	1278		1.74			
12	THE REAL PROPERTY.				2.0		Market Barriers	
13					2.11		SAME AND A SAME	
14					1.74			TO THE TEN STATE OF
15					1.18	HEAT SALES		
16					1.26			
17					1.0			
18					1.71			
19					1.8	MANUSCRIPTION OF THE PARTY OF T	1 /4 () 4 ()	
20					1.7			
21					1.82			
22					1.8			
23	the state of the state of				1.53			
24					1.68			
25					1.74			
26					1.7			
27					1.74	Manual Case I		
28					1.85			BEIGHT STATE
29					1.88			
30				THE PROPERTY.	1.86			
31					1.54			
Average			Manager Manager		1.7			Barrier Barrier
Maximum					2.1			THE RESERVE OF A STATE OF

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	



Municipality:

Watershed:

SUPPLEMENTAL REPORT - COOLING WATER INTAKE MONITORING

Facility Name:	Beaver Valley	Power Station -

Unit 2

Shippingport Borough County: Beaver 20-B 20-D

Month: December

2024

Year:

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		- A Party Marie	
2		THE RESERVE OF THE PARTY OF THE			1.62			
3		Land City of the Control of the Cont			1.72			
4					1.58			
5					1.61			
6					1.62			
7					1.7			
8					1.84			
9					1.95			
10		THE BOOK OF THE BOOK			1.83	Mortal Adda 15		A CONTRACT
11					1.78			
12		HILL TO THE STREET			1.77	11 Mark Color (1974)		
13					1.62			
14					1.78	El Satisfación de la companya della companya della companya de la companya della		
15					1.92			
16					2.03			
17					2.03			
18					1.86			
19			Marie Residence Services	DAMES OF STREET	1.93	TO SELECT THE SELECT		
20		*			1.79			
21					1.82			
22	The state of the s		CORPORATION OF THE PARTY OF THE		1.8			
23					1.65			3-17-17-18-18
24	I I I I I I I I I I I I I I I I I I I				1.82		THE RESTORDED	
25			THE REAL PROPERTY.	THE PLANTS OF THE	1.88			
26					1.85		T-#1011 - 12-51	
27			Eller Branch		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 E	By: Darren Bollman	License No.		
Title:	Environmental Specialist	Date:	1/15/2025	

ENCLOSURE E

3800-FM-BCW0462 12/2016



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

	P	A0025	815			004		Reporting Frequency:	Quarterly	
	PERI	RMIT NUMBER OUTFALL NUMBER		IMBER	DMR Effective From:	10/01/2024				
				_				DMR Effective To:	12/31/2024	
	3.0		MONITO	ORING	PERIOD			Permit Expires:	10/31/2026	
					1			Permit Application Due:	05/04/2026	
	YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	П	
ROM	2024	10	01	то	2024	12	31		<u></u>	

PARAMETERS REPORTED VALUES

PARAMETER		QUA	NTITY OR LOA	DING	Q	UANTITY OR	CONCENTRATION	N	SAMPLING FREQUENCY	SAMPLING TYPE Grab
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Mercury, Total (71900)	Sample Measurement	***	***	***		***	<.2	ug/L	1/quarter	
	Permit Requirement	***	**		***	***	Monitor & Report Daily Max		1/quarter	Grab
Facility Sampling Point Comments										

3800-FM-BCW0462 12/2016



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION **BUREAU OF CLEAN WATER**

DISCHARGE MONITORING REPORT (DMR)

	IMENT	

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

UNAUTHORIZED DISCHARGES

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

OTHER PERMIT VIOLATIONS

Non-Compliance ID Non-Compliance Type Sampling Point Parameter Reported Value Parmit Limit	Comments
--	----------

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction		TELEPHO	NE		DATE	
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	Robert Kristophel	(724)	682-7773	2025	01	28
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 unswom falsification to authorities).	SUBMITTED BY	AREA CODE	NUMBER	YEAR	МО	DAY

ENCLOSURE F



Laboratories:

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

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 unsworm falsification).

License No.:

Date:

11/18/2024

Prepared By: James Harvey
Title: Senior Environmental Specialist

3800-FM-BCW0435 3/2012

Facility Name: Beaver Valley Power Station

Municipality: Shippingport Borough County:

Watershed: 20-8

TestAmerica, BVPS Lab

Month: 10 (select number)

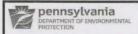
Beaver Permit No.: PA0025615

Year: 2024 Outfall: 004

Renewal application due 180 days prior to expiration.

This permit will expire on: October 31, 2026

	410,100,										See Production							_													
		Parameter	Flow		рН		TRC		ee Available Chlorine	Т	emperature	Tota	al Aluminum	Tot	al Chromium	То	otal Copper	To	otal Mercury		Total Zinc										
		Stage	1		1		1		1	1	1		1		1		1		1		1										
Mark	Day		MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	°F	Q	mg/L	Q	mg/L	QI	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q	
VVEEK	Day	Date	MGD	1 4	5.0.	- u	mg/L	- u	myrL	- u	-	u l	ligit	w	ligit	u	ligit	w	ligit	- u	ligit	- u		- u		ч		ч		<u>~</u>	
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_	Tue	10/1/24	1.9			+ +		-		-	81.1	\vdash				\vdash				-		-								\rightarrow	
	Wed	10/2/24	1.9			-					76.4	\vdash				\vdash						-									
	Thu	10/3/24	1.9	\vdash		+				-	73.5	\vdash		\vdash		\vdash						-									
	Fri	10/4/24	1.9	\vdash		+					70.7	\vdash		\Box		\vdash				-		-				_					
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2	Sun	10/6/24	1.9								76.2	\vdash				\vdash						-									
	Mon	10/7/24	1.9		6.5	<	0.02	<	0.02		76.2		0.12				0.0032	<	0.0002												
	Tue	10/8/24	1.9								64.7											1									
	Wed	10/9/24	1.9								72.6											-									
	Thu	10/10/24	1.9								69.8																				
1 -	Fri	10/11/24	1.9								70.1																				
	Sat	10/12/24	0.0																												
3	Sun	10/13/24	0.0																												
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	Wed	10/16/24	0.0				and the same																	2.							
	Thu	10/17/24	0.0																							-					
	Fri	10/18/24	0.0																												
	Sat	10/19/24	0.0																										77		
4	Sun	10/20/24	0.0																No. of the other												
	Mon	10/21/24	0.0																												
	Tue	10/22/24	0.0																												
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	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																													
Statisti	cs for DMR		TOTAL STREET	1	Riverill Mileston	THE REAL PROPERTY.	Section 1	all the last	-CONTROL	1000	and the last	THE OWNER OF THE OWNER OWNER OF THE OWNER OW	THE STATE OF THE STATE OF	100.00	No. of Street, or other teams	Diam'r.	A STATE OF THE PARTY OF	100	No. of the last	100	Sept. Fail	ACTOR.	STATE STATE	1000	Charton		DESCRIPTION OF THE PERSON OF T	District of the last	Control of the Control		
SCHOOL STATE	Daily Minim	um (Conc.):	-	The Personal Property lies	6.5	<	0.02	<	0.02	-	64.7		0.12				0.0032	<	0.0002		-		-								-
	Daily Maxin				6.5	<	0.02	<	0.02		81.1		0.12				0.0032	<	0.0002			1									
	Max Avg We				0.0	<	0.02	<	0.02		76		0.12				0.0032	<	0.0002												
		thly (Conc.):				<	0.02	<	0.02		73.6		0.12				0.0032	<	0.0002			1									
	Geometric M					1	0.02		0,02		10.0		0.12				0.000		0.0002			1									
	Max Avg W		1.9	1		<	0.3	<	0.3				2				0.05	<	0.003			1									
			0.7			<	0.3	<	0.3				2				0.05	<	0.003			1									
		nthly (Load): nthly (Load):	20.9			<	10	<	10				59				2	-	0.003	-		-									
			0			<	0.3	<	0.3				2				0.05	<	0.003	-		1									
	Daily Minir					_	0.3	<	0.3				2				0.05	<	0.003			-									
	Daily Maxir	num (Load):	1.9			<	0.5	1	0.5				4		and the same of th		0.00	1	0.003	1											



3800-FM-BCW0435 3/2012

Facility Name:
Municipality:
Watershed:
Laboratories:

Beaver Valley Power Station
Shippingport Borough
20-8
Laboratories:
TestAmerica, BVPS Lab
 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
 County: Beaver

Labo	ratories:	Test	merica, B	VFSL	du	_		_		_	This permit w	III OXI	one on.	OCIO	ober 31, 2026			_		_		-		_		_				
	,	arameter	Flow		рН		TRC		ee Available Chlorine	Te	emperature	Tota	al Aluminum	Tot	tal Chromium	Т	otal Copper	Te	otal Mercury		Total Zinc									
		Stage	1		1		1		1		1		1		1		1		1		1									
Veek	Day			Q	S.U.	Q	mg/L	Q		Q		Q	mg/L	Q		Q	mg/L	Q	mg/L	Q		Q		Q		Q	Q		Q	
	Fri	11/1/24	0.0																											
-	Sat	11/2/24	0.0																											
1	Sun	11/3/24	0.0	\vdash																\vdash		-		-						
-	Mon Tue	11/4/24 11/5/24	0.0					-		\vdash						-						-		-					-	
	Wed	11/6/24	0.0					+		\vdash										-		+					\vdash		-	
	Thu	11/7/24	0.0	+						+										\vdash		+					\vdash		\rightarrow	_
	Fri	11/8/24	0.0																								\vdash		\rightarrow	
	Sat	11/9/24	0.0																	\vdash		+							-	
2	Sun	11/10/24	0.0							\vdash																				
	Mon	11/11/24	0.0																											
	Tue	11/12/24	0.0																											
	Wed	11/13/24	0.0																											
	Thu	11/14/24	0.0																											
	Fri	11/15/24	0.0																											
	Sat	11/16/24	0.0																			-								
3	Sun	11/17/24	0.0					-														-							-	
-	Tue	11/18/24	0.0			+		-	-		-	\vdash		-			_			\vdash		-					\vdash		\rightarrow	
	Wed	11/19/24	0.0	\vdash				-		\vdash		-								\vdash		+							\rightarrow	
-	Thu	11/21/24	0.0	1				+		1			-									+							-	
	Fri	11/22/24	0.0	+											-					+		+							-	-
	Sat	11/23/24	0.0							\vdash																			-	
4	Sun	11/24/24	0.0																											
	Mon	11/25/24	0.0																											
	Tue	11/26/24	0.0																											
	Wed	11/27/24	0.0																											
	Thu	11/28/24	0.0																											
	Fri	11/29/24	0.0																											
5	Sat	11/30/24	0.0																	\vdash		-								
5				-				-				-								\vdash		+-					\vdash		-	
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tisti	cs for DMR	20070050	NAME OF THE PERSON	Service .		Section 1	Name and Address of the Owner, where	SEAS	CONTRACTOR OF STREET		-	-	District Control	Street.	DESCRIPTION OF	and in	TOWN TOWN	NE.	11 2 100 100	1000	THE PARTY	1000	STATE AND DESCRIPTION OF	STATE OF THE PARTY.	SECTION AND ADDRESS.	1000		Pinta Description	100	
	Daily Minimi	m (Conc.):																												
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1	Max Avg Wee								Part of the																					
	Avg Mon	hly (Conc.):																												
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		thly (Load):																				-								
	Daily Minin		0			-		-														-							_	
	Daily Maxin	um (Load):	0																											

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	0.:	
Title:	Senior Environmental Specialist	Date:	12/18/2024	



Beaver

3800-FM-BCW0435 3/2012

Facility Name: Municipality: Shippingport Borough
Watershed: 20-8
Laboratories: TestAmerica, BVPS Lab County:

2024 004

 Month:
 12 (select number)
 Year:
 2024

 Permit No.:
 PA0025615
 Outfall:
 004

 Renewal application due 180 days prior to expiration.
 Prior to expiration.

 This permit will expire on:
 October 31, 2026

() () () () ()	0			-11		TDC	Fr	ree Available	-		Tet	al Aluminus	Tet	al Chambia	-	etal Conner	-	atal Massur		Total Zine							
	Parameter	Flow		рН		TRC		Chlorine	Te	emperature	Tota	al Aluminum	lot	al Chromium	Te	otal Copper	Te	otal Mercury		Total Zinc							
t Day	Stage	1		1	-	1	-	1	-	1	0.1	1		1		1		1		1	-					0.1	
k 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	Q	mg/L	Q	Q	 Q		Q	Q	
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Sun	12/1/24	0.0														11 - (1,13				No. of the last							
Mon		0.0														LE											
Tue	12/3/24	0.0					1																				
Wed	12/4/24	0.0																									
Thu	12/5/24	0.0																									
Fri	12/6/24	0.0																									
Sat	12/7/24	0.0																									
Sun	12/8/24	0.0																									
Mon		0.0																									
Tue	12/10/24	0.0																									
Wed		0.0																									
Thu	12/12/24	0.0																-									
Fri	12/13/24	0.0																									
Sat	12/14/24	0.0					-											100									
Sun	12/15/24	0.0			1				+										\vdash		-			7.1			
Mon		0.0			+				+										-								
Tue	12/17/24	0.0	1		1				1		\vdash															-	
Wed		0.0			1				+								-								\vdash	-	_
Fri	12/19/24	0.0			1				1																	-	-
Sat	12/20/24	0.0			+ +				1																	-	
Sun	12/22/24	0.0							1																		
Mon		0.0			1				+ +																		-
Tue		0.0							1						\vdash												_
Wed		0.0				-			1					-													
Thu	12/26/24	0.0		-																							
Fri	12/27/24	0.0																									- 1
Sat	12/28/24	0.0																									7.0
Sun		0.0			1																						
Mon	12/30/24	0.0																									1917
Tue		0.0																									
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	imum (Conc.):			-						TV DO TO THE																	
	ximum (Conc):																										
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	Monthly (Load):	0																									
	nimum (Load):	0																									
Daily Ma	ximum (Load):	0																						_			

inquiry of the person or persons who manage the s	ystem or those persons directly responsible for gathering the inform	1 a system designed to assure that qualified personnel gather and evaluate the information submitted. Based or mation, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am av knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn faisification).	

Prepared By:	James Harvey	License No	1.1	
Title:	Senior Environmental Specialist	Date:	1/13/2025	

ENCLOSURE G

3800-FM-BCW0462 12/2016



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

N		-	

ENERGY HARBOR NUCLEAR CORP

ADDRESS:

168 E MARKET ST, AKRON OH, 44308-2014 PA ROUTE 168, SHIPPINGPORT PA, 15077

FACILITY: LOCATION: FIRSTENERGY BEAVER VALLEY POWER STATION 1

STAGE:

Final Effluent

PAUL	123013
PERMIT	NUMBER

003	
OUTFALL NUMBER	

Reporting Frequency: DMR Effective From: DMR Effective To:

Permit Expires:

Semi-Annually 07/01/2024 12/31/2024 10/31/2026 05/04/2026

YEAR	МО	DAY

FROM

EAR	МО	DAY		YEAR	МО	DA
2024	07	01	то	2024	12	31

MONITORING PERIOD

Permit Application Due:
No Discharge:

PARAMETERS REPORTED VALUES

DADAMETER		QUANTITY OR LOADING			Q	UANTITY OR	CONCENTRATION	V	CAMPING EDECHENOV	0444014110 7000
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
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	***	***	196	***	***	Monitor & Report Daily Max		1/6 months	Grab
Facility Sampling Point Comments								12 7 7 7		

3800-FM-BCW0462 12/2016



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

	P	A0025	615			800		Reporting Frequency:	Semi-Annually		
	PERI	MIT NU	MBER		OUTF	ALL NL	MBER	DMR Effective From:	07/01/2024		
				_	_			DMR Effective To:	12/31/2024		
			MONITO	ORING	PERIOD			Permit Expires:	10/31/2026		
			T		Ī		1	Permit Application Due:	05/04/2026		
FROM	2024	МО	DAY		YEAR	МО	DAY	No Discharge:			
		07	01	то	2024	12	31		<u></u>		

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			Q	UANTITY OR	CONCENTRATION	1	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	VALUE UNITS		VALUE	VALUE VALUE			
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	1/8 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)

PA0025615

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

	PERI	MIT NU	DMR Effective To:					
			MONITO	DRING	PERIOD			Permit Expires:
	YEAR	МО	DAY		YEAR	МО	DAY	Permit Application No Discharge:
ROM	2024	07	01	то	2024	12	31	

011

Reporting Frequency:

Semi-Annually 07/01/2024 12/31/2024 10/31/2026

05/04/2026

PARAMETERS REPORTED VALUES

PARAMETER		QUA	NTITY OR LOA	DING	QUANTITY OR CONCENTRATION				SAMPLING EDECHENCY	CAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
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		***		**	200	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)

ADDRESS: 168 E MARKET ST, AKRON OH, 44308-2014	
FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1	
LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077	

	P		PA0025615			PA0025615 012					Reporting Frequency:	Semi-Annually	
PERM		PERMIT NUMBER			OUTFALL NUMBER		MBER	DMR Effective From:	07/01/2024				
				_				DMR Effective To:	12/31/2024				
		MONITORING PERIOD						Permit Expires:	10/31/2026				
								Permit Application Due:	05/04/2026				
	YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	П				
FROM	2024	07	01	то	2024	12	31						

PARAMETERS REPORTED VALUES

STAGE:

Final Effluent

		QUA	NTITY OR LOA	DING	Q	UANTITY OR	CONCENTRATION	1	SAMPLING EDECLIENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	
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)

013

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

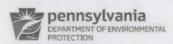
	PERM	UN TIN	MBER		OUTF	ALL NU	IMBER
			MONITO	DRING	PERIOD		
	YEAR	МО	DAY		YEAR	МО	DAY
FROM	2024	07	01	то	2024	12	31

PA0025615

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

DADAMETER		QUANTITY OR LOADING				UANTITY OR	CONCENTRATION	1	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
Total Suspended Solids (00530)	pended 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	***	***	***	***	***	.6	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 POLITE 168 SHIPPINGPORT PA 15077

014
OUTFALL NUMBER

Reporting Frequence DMR Effective From DMR Effective To: Permit Expires:

Permit Application

No Discharge:

cy:	Semi-Annually	
n:	07/01/2024	
	12/31/2024	
	10/31/2026	
Due:	05/04/2026	
	П	

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

PARAMETERS REPORTED VALUES

Final Effluent

STAGE:

DADAMETER		QUA	ANTITY OR LOAD	ING	Q	UANTITY OR	CONCENTRATION	4	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING I TPE
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
Oll 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	***	***		300	***	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								ALC: NOW		



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

015

12 31

DAY

OUTFALL NUMBER

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

	MONITORING PERIOD											
	YEAR	МО	DAY		YEAR	МО						
ROM	2024	07	01	то	2024	12						

PA0025615

PERMIT 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:	

PARAMETERS REPORTED VALUES

Final Effluent

STAGE:

PARAMETER		QU	ANTITY OR LOAD	ING	Q	UANTITY OR	CONCENTRATION	N	CAMPI ING EDECUENCY	CAMPI NO TOPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
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	1/8 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										



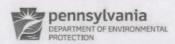
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER DISCHARGE MONITORING REPORT (DMR)

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

	P	A0025	615			016		Reporting Frequency:	Semi-Annually	
	PERMIT NUMBER		MIT NUMBER OUTFALL NUMBER				MBER	DMR Effective From:	DMR Effective From: 07/01/2024	Palent Co.
				_				DMR Effective To:	12/31/2024	
			MONITO	ORING	PERIOD			Permit Expires:	10/31/2026	
			Ī		Ī		T	Permit Application Due:	05/04/2026	
	YEAR	МО	DAY		YEAR	MO 12	DAY 31	No Discharge:		
ROM	2024	07	01	то	2024			<u>-</u>		

PARAMETERS REPORTED VALUES

DADAMETER		QU	ANTITY OR LOAD	ING	Q	UANTITY OR	CONCENTRATION	1	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING I TPE
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)

017

OUTFALL NUMBER

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

	MONITORING PERIOD											
	YEAR	МО	DAY		YEAR	МО	DAY					
FROM	2024	07	01	то	2024	12	31					

PA0025615

PERMIT 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:	

PARAMETERS REPORTED VALUES

Final Effluent

STAGE:

PARAMETER		QUA	ANTITY OR LOAD	ING	Q	UANTITY OR	CONCENTRATION	1	CAMPILING EDECLIENCY	CAMPI ING TVD	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE	
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	nent *** *** ***		***	***	***	.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		400	***	***		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

ROUTE 168,	SHIPPINGPORT PA, 15077	
nal Effluent		

	P	A0025	315			019	Hanne .	Reporting Frequency:	Semi-Annually	
	PERI	MIT NU	MBER		OUTF	ALL NL	MBER	DMR Effective From:	07/01/2024	
				_				DMR Effective To:	12/31/2024	
			MONITO	ORING	PERIOD			Permit Expires:	10/31/2026	
			T		Ī		T	Permit Application Due:	05/04/2026	
	YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	П	
FROM	2024	07	01	то	2024	12	31			

PARAMETERS REPORTED VALUES

STAGE:

DADAMETED		QU	ANTITY OR LOAD	ING	Q	UANTITY OR	CONCENTRATION	1	CAMPI INC EDECUENCY	DAMPI ING TAPE
PARAMETER pH (00400) Total Suspended Solids (00530) Oil and Grease (00556) Iron, Total (01045) Flow (50050)		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
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	***	600		***	***	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	2025-01-27T17:06:13-05:00	
2024_Stormwater_Annual_Report (part 1) - signed.pdf	Annual Report	2025-01-27T17:06:44-05:00	
BVPS H2 2024 Stormwater Daily Effluent Forms.pdf	Daily Effluent Monitoring Form	2025-01-23T12:36:41-05:00	

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

UNAUTHORIZED DISCHARGES

1	Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discoverad		Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified	Comments
-					Discharged							Orally	

OTHER PERMIT VIOLATIONS

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

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction		TELEPHO	ONE		DATE	
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	Robert Kristophel	(724)	682-7773	2025	01	28
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 bellef, 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 unsworm falsification to authorities).	SUBMITTED BY	AREA CODE	NUMBER	YEAR	МО	DAY

ENCLOSURE H



SUPPLEMENTAL REPORT

3800-FM-BCW0435 3/2012

DAILY EFFLUENT MONITORING Facility Name: Municipality: Watershed:

Beaver Valley Power Station Shippingport Borough 20-B Month: 11 (select number) Year: 2024
Permit No.: Outfall: 003
Renewal application due 180 days prior to expiration. 2024 County: Beaver

borato	ries:	TestA	merica, B	VPS La	b					_ 7	This permit	will exp	oire on:	October 31	2026													
	Pa	rameter	Flow		рН		TSS	Oil	and Grease	Т	otal Iron																	
		Stage	1		1		1		1		1																	
eek	Day	Date	MGD	Q	S.U.	Q	mg/L	a	mg/L	Q	mg/L	Q		Q	Q		2	Q	Q		Q		Q		Q		Q	
		11/1/24								1									+						-		-	
	Sat	11/2/24				+		+		+		+			\rightarrow		-		1	-					-		-	
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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 of those persons directly responsible for gathering the information, submitted is, to the best of my knowledge and belief, thus, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowly possibilities. See 19 Pa. C. 5.5, 49504 (relating to unsworm Balfication).

Prepared By:	James Harvey	License N	0.:	
Title:	Senior Environmental Specialist	Date:	1/13/2025	



Watershed:

Laboratories:

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

3800-FM-BCW0435 3/2012

Facility Name: Municipality:

Prepared By: James Harvey
Title: Senior Environmental Specialist

Beaver Valley Power Station Shippingport Borough 20-B County: Beaver

Month: 11 (select number)
Permit No.:

2024

Year: Outfall:

Renewal application due 180 days prior to expiration. TestAmerica, BVPS Lab This permit will expire on: October 31, 2026

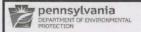
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is best of my knowledge and belief, true, accurate and complete, I am aware that there are significant penalties for submitting fields information, including the possibility of fine and impressment for knowledge violations. Set 18 Pa. (5.5, \$400 (religing to unsworm fields) finding to unsworm fields for submitting fields for submitting fields.

License No.:

Date:

1/13/2025

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3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name: Beaver Valley Power Station Month: 11 (select number) Year: 2024

Municipality: Shippingport Borough County: Beaver Permit No.: Outfall: 011

Watershed: 20-B Renewal application due 180 days prior to expiration.

Laboratories: TestAmerica, BVPS Lab

Labor	atories:	TestA	merica, B	VPS La	b					-	This permit	will expire on:	October 31, 202	16												
	P	arameter	Flow		рН		TSS	Oil	and Grease	1	Total Iron				71112											
		Stage	1		1		1		1		1													272		
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2	Sun	11/9/24			7.0	1	19.6	<	3.8	+	2.8														-	
-	Mon	11/11/24	-		7.0		13.0	1	5.0	1	2.0		1												-	
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	Daily Maxim	im (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, tuberited is, to the best of my knowledge and belief, true, accurate and complete, I am aware that there are significant penalties for submitting flates information, tubering the pushers information, pusher information, tubering the pushers in the system of the property of the property

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



SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

3800-FM-BCW0435 3/2012

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

LGDOTC	atorios.	1000	differred, D	VI 0 200						- This point is	will expire on.	October 51, 2020									
	F	arameter	Flow	1	TSS	Oil	and Grease		Total Iron												
(antal	Day	Stage Date	1 MGD	Q	1	Q	1		1 mg/L		Q	Q	Q	Q	Q					1	
eek	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q	4	· ·	Q	Q .	Q	Q	Q	Q	Q	Q	
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	for DMR		NAME OF TAXABLE PARTY.	Spirit Spirit	The Contract				Section 2	FOR ROBBES	No. of Concession, Name of Street, or other Persons, Name of Street, or ot	ALL THE MANAGES	AND THE RESIDENCE								
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-	aily Maxim	um (Conc):			7.2	<	3.8		0.2												
		kly (Conc.):			7.2		3,8		0,2												
		hly (Conc.):			7.2	<	3,8		0,2												
		an (Conc.):																			
M		ekly (Load):				<															
	Avg Mor	nthly (Load):				<															
		thly (Load):				<															
		ium (Load):																			
[Daily Maxin	um (Load):																			

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
nquiry 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
hat 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 N	lo.:	
Title:	Senior Environmental Specialist	Date:	1/13/2025	



SUPPLEMENTAL REPORT

3800-FM-BCW0435 3/2012

DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month: 11 (select number)	Year:	2024	
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall:	013	
Watershed:	20-B			Renewal application due 180	days prior to exp	oiration.	
Laboratories:	TestAmerica, BVPS Lab			This permit will expire on:	October 31, 202	26	

oratories:	TestA	merica, B	/PS Lab						This permit	will expire on:	October 31, 20	026	_							
	Parameter	Flow	TS	ss	Oil a	and Grease	1	Total Iron							No.					
	Ctown	1	1			1		1												
k Day	Stage Date	MGD			Q		Q		al	Q	Q	Q	Q	Q	Q	a	Q	Q		Q
Fri	11/1/24																	\rightarrow		
Sat	11/2/24																			
Mon	11/4/24																			-
Tue	11/5/24										-									-
Wed	11/6/24																			
Thu	11/7/24																			
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																			
Fri	11/15/24																			
Sat	11/16/24																			
Sun	11/17/24																			
Mon	11/18/24																			
Tue	11/19/24						-													
Wed	11/20/24						1													
Thu	11/21/24						1													
Fri Sat	11/22/24						1				-									
Sun	11/24/24																			
Mon	11/25/24																			
Tue	11/26/24						1													
Wed	11/27/24																			
Thu	11/28/24																			
Fri	11/29/24																			
Sat	11/30/24	777																		
						100														
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ics for DMF		Linear Pro-	CONTRACTOR OF STREET	40.4							ESCHOLA SERVICE	STATE OF THE PERSON	March Control	THE RESERVE OF THE PERSON NAMED IN	Name of Street, or other Designation of the last of th	BALL STREET				
	num (Conc.):			12.4	<	3,8		0,6												
	mum (Conc): eekly (Conc,):			12.4	<	3.8		0.6												
	nthly (Conc.):			12.4	<	3.8		0.6												
	Mean (Conc.):			12,4	1	3,0		0.0												
	/eekly (Load):				<															
	onthly (Load):				<															
Total M	onthly (Load):				<															
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	mum (Load):																	$\overline{}$		-

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 is best of my knowledge and belief, thue, accurate and complete. I am aware that there are significant penalties for submitting lateral information, including the possibility of fire and imprisonment for knowing violations. Set 18 7a. C. S. § 4304 (reliand) to unswern historiation in unswern the submitted of the submitted in the submitted of the submitted of the submitted in the submitted of the submitted in the submitted in the submitted of the submitted in the subm

Prepared By:	James Harvey	License N	0.:	
Title:	Senior Environmental Specialist	Date:	1/13/2025	



3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month: 11 (select numb	er) Year:	2024	
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall:	014	7
Watershed:	20-B			Renewal application due 1	80 days prior to exp	iration.	
Laboratories:	TestAmerica, BVPS Lab			This permit will expire on	October 31, 202	6	

Labo	ratories:	Test/	merica, B\	PS Lab						-	This permit v	vill ex	pire on:	October 31, 20	026					40.1									
		Parameter	Flow	р	Н		TSS	Oil	and Grease		Total Iron														TOTAL				
		Stage	1		1		1		1		1																		
Week	Day		MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q	Q		Q		Q	Q		Q		Q		Q		Q	
																												\Box	
	Fri Sat	11/1/24		-											-													-	
1	Sun	11/2/24										\vdash			-									\vdash				-	
-	Mon	11/4/24																										+	
	Tue	11/5/24																										-	
	Wed	11/6/24																						\vdash					
	Thu	11/7/24			111																				1 - 2 / 1 / 1				
	Fri	11/8/24																											
	Sat	11/9/24																											
2	Sun	11/10/24	0.055		7.3		30.0	<	3.8		0.8																		
	Mon	11/11/24		1																									
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	Fri	11/15/24													-											-		-	
	Sat	11/16/24																										-	
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	Fri	11/22/24											Date No.															_	
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	Daily Maxim	um (Conc):			7.3		30	<	3.8		0.8																		
1	Max Avg Wee						30	<	3,8		0.8																		
		hly (Conc.):					30	<	3,8		0.8																		
	Geometric M																												
	Max Avg We		0.055				14	<	2		0.4																		
		nthly (Load):	0.055				14	<	2		0.4																		
	Daily Minin	nthly (Load):	0.055	-			413 14	<	52		0.4				_													-	
			0.055				14	< <	2		0.4																	-	
	Daily Maxin	ium (Load):	0.055				14	<	2		0.4																		

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
nquiry 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
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Prepared	By: James Harvey	License N	0.:	
Title:	Senior Environmental Specialist	Date:	1/13/2025	



Watershed: Laboratories:

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

3800-FM-BCW0435 3/2012

Shippingport Borough
20-B
TestAmerica, BVPS Lab Facility Name: Municipality: County: Beaver

 Month:
 11 (select number)
 Year:
 2024

 Permit No.:
 Outfall:
 015

 Renewal application due 180 days prior to expiration.

2024 015

This permit will expire on: October 31, 2026

							_						,			_											 	
	Parameter	Flow	pl	4	T	ss	Oil :	and Grease	T	otal Iron																		
antil De	Stage by Date	1 MGD	Q			1 mg/L	Q	1 mg/L	QI	1 mg/L	Q		Q		Q	Q		Q		Q		Q		Q		Q	Q	
ek Di	Date	MGD	Q	5.0.	Q	mg/L	u	mg/L	14	mg/L	Q		- u		Q	Q		Q	_	Q		Q		Q		u	Q	_
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Su																												
Mo	n 11/4/24																											
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Th						The Contract																						
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Su		0.015		7.3		7.0	<	3.9	1	0.2																		
Mo							\vdash		+				+			+				-				\vdash	-	\vdash	-	
Tu									1											-							-	
Th									1											-							-	
Fi	11/14/24								++				-			+				-					-	\vdash	-	
Sa						-			++							+				-				\vdash		\vdash	-	
Su									+											-						\vdash		_
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tics for	OMR	THE RESERVE	Telegraphic Control	STATES	The make	SIERS	ESC.	CONTRACTOR OF THE PARTY OF THE	SERVICE STREET	Risk Spirit	1965	CONTRACTOR			CAN DESIGNATION	THE P	LESS OF SHIP	Nº 1052	DESCRIPTION OF	Silvery.		-	SOUTH STATE	THE REAL PROPERTY.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		
	linimum (Conc.):			7.3		7	<	3.9		0.2																		
	faximum (Conc):			7.3		7	<	3.9		0.2																		
	Weekly (Conc.):					7	<	3,9		0.2																		
Avg	Monthly (Conc.):					7	<	3.9		0.2																		
	ric Mean (Conc.):																											
	g Weekly (Load):	0,015				0.9	<	0,5		0.03																		
	g Monthly (Load):	0.015				0.9	<	0.5		0.03																		
	Monthly (Load):	0.015				26	<	15	1	0.8																		
	Minimum (Load):	0.015				0.9	<	0.5		0.03										-								
Daily	Maximum (Load):	0.015				0.9	<	0.5		0.03																		

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 of those persons directly responsible for gathering the information, the information is 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 knowledge violations. See 18 Pa. C.S. § 4804 (religing to unswern fishefication).

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



MENTAL REPORT

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

aboratori	es: 1	estAmerica,	BVPS L	ab					- This	permit v	vill expire on:	October 31,	2026								
	Parame	er Flow	1	рН		TSS	Oi	I and Grease	Total I	ron											
	Sta	ge 1		1		1		1	1										THE CHAPT	ATTE STORY	
Week D	ay Dat	MGD	Q		Q	mg/L	Q	mg/L	Q I	mg/L	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
F	ri 11/1/	14																			
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Se				7.0		44.0															
2 St Mo			+	7.2	1	11.8	<	3.9		0.3											
Tu			+ +		1		-														-
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4 St			1		+		-														
Tu							-														
We					+		1														
Th																					
F	ri 11/29	24																			
Sa	at 11/30	24																			
5											- 19/10										
					+																
-			+		+		-					-									
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atistics for	DMR			and the latest to		1	See S			R 60			THE RESERVE OF THE PERSON NAMED IN	The same of the same of							-
	Minimum (Conc):		7.2	T	11.8	<	3.9		0.3		777				-	-				-
	Maximum (Con			7.2		11.8	<	3,9		0.3											
Max Av	g Weekly (Con	2.):				11.8	<	3.9		0.3											
	Monthly (Con					11.8	<	3.9		0.3											
	tric Mean (Con																				
	g Weekly (Loa					2	<	0,6		0.04											
	g Monthly (Loa					2	<	0.6		0.04											
	al Monthly (Loa					50	<	17		1											
	Minimum (Loa				1	2	<	0.6		0.04											
Daily	Maximum (Loa	0.017				2	<	0.0		1.04											

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



Watershed: Laboratories:

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

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 is builded in, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting faster information, including the possibility of fine and impressment for knowledge violations. See 18 Pa. C.S. § 4804 (relating to unsworm blaffication).

License No.:

1/13/2025

Date:

3800-FM-BCW0435 3/2012

Facility Name: Municipality:

Beaver Valley Power Station
Shippingport Borough
20-B
TestAmerica, BVPS Lab County: Beaver

Prepared By: James Harvey

Senior Environmental Specialist

Title:

2024 017

 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

aborat	ories.	Testr	America, B	VPS La	aD .	_		_			inis permit v	MIII EX	pire on.	Octor	ber 31, 2026																
	P	arameter	Flow		рН		TSS	Oi	I and Grease	1	Total Iron																				
		Stage	1	1-2	1		1		1		1						333														
ek	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q		Q	
	-	444404																												\neg	
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	Sun	11/3/24						+		+		1				-		-	_												-
	Mon	11/4/24				1		-		+		\vdash		\vdash		-				\vdash								\vdash			_
	Tue	11/5/24									-	1																			
	Wed	11/6/24																										\vdash			
	Thu	11/7/24																													
	Fri	11/8/24																													
	Sat	11/9/24																			77 77 77										
	Sun	11/10/24	0.006		7.3		9.2	<	3.9		0.2																				
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tics 1	or DMR	DESCRIPTION OF	SECTION S		TO THE OWNER OF	CONTRACT OF	2012 P-105	-		-	No. of Lot	T TOUR		10	US OF BUILDING	-	THE CONTRACT	-	Section 2	No.	A STATE OF THE PARTY OF	-	NO SHOULD BE	7500	DEAL THE OWNER		Silver lice by		S. S		100
		m (Conc.):			7.3	TT	9.2	<	3.9		0.2				-		-	7									-				
	ily Maximu				7.3		9.2	<	3.9		0.2																				
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		ım (Load):	0.006				0.5	<	0.2		0.01																				
Da	ily Maximi	ım (Load):	0.006				0.5	<	0.2		0.01																				



SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

3800-FM-BCW0435 3/2012

Facility Name: Municipality: Shippingport Borough
Watershed: 20-8
Laboratories: TestAmerica, BVPS Lab

Beaver

2024 019

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

	Parameter	Flow		н	TS		Oil	and Grease	-	otal Iron																			
	1						Oil		'				1																
ul Day	Stage Date	1 MGD		1 S.U.	Q 1		Q	1 mg/L	QI	1 mg/L	Q		Q		Q		Q	Q		Q		Q		a		Q		Q	
IN Day	Date	MIGD	4	5.0.	ų l	IIIg/L	4	IIIg/L	- u	IIIg/L	- u		-		4		u l	u		u		4		ų.		ų l		ų l	
Fri	11/1/24																												
Sat	11/2/24																												
Sun	11/3/24													10 300															
Mon	11/4/24											THE RESERVE																	
Tue	11/5/24																												
Wed Thu	11/6/24								+																				
Fri	11/8/24				-																	\vdash		\vdash				-	_
Sat	11/9/24							_				7																	
Sun	11/10/24	0.23		7.6		77.8	<	3.9		0.2																			
Mon	11/11/24																												
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Wed	11/27/24																												
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stics for DM		The same of	ALCOHOL: N	7.0		77.0		2.0	-	0.0	-	And the Park of th	-	THE STREET, SAN	The Real Property lies	AN HOUSE			No. of Contract of		NAME OF STREET		The same of the sa		Marie V.S.	200		-	-
	mum (Conc.): imum (Conc):			7.6		77.8 77.8	<	3.9		0.2																			
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	enthly (Conc.):					77.8	<	3.9		0.2																			
Geometric I	Mean (Conc.):																												
	Veekly (Load):	0.23				149	<	7		0.4																			
	onthly (Load):	0.23				149	<	7		0.4																			
	onthly (Load):	0.23				4477	<	224		12																			
	imum (Load):	0.23				149	<	7		0.4																			
Daily Max	imum (Load):	0.23				149	<	7		0.4																			

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
nquiry 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
hat there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C. S. 5 4904 (relating to unsworn falsification).

Prepared By:	James Harvey	License No	S	
Title:	Senior Environmental Specialist	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 INFO	ORMATION	
Permittee Nan	ne:	Energy Harbor Nuclear Corp	Permit No.:	PA0025615
Permittee Add	lress:	200 St Rt 3016	Permit Issuance D	Pate: Sep. 30, 2021
Permittee City	, State, Zip:	Shippingport, PA 15077	Permittee Phone:	724-682-7773
Has the permi	ttee's PPC Plan be	een reviewed and if necessary up	dated during the reporting period?	⊠ Yes □ No
las employee	training been pro	vided during the reporting period?	Yes No	Date: 12/31/2024
		INSPECTION INF	FORMATION	
I. Documen	t all visual inspecti	ons conducted by the permittee d	uring the reporting period below.	
Inspection No.	Inspection Da	te Inspector Name	Inspector Title	Stormwater Discharg During Inspection?
1	6/6/2024	James Harvey	Sr. Environmental Specialist	
2	11/11/2024	James Harvey	Sr. Environmental Specialist	
	and it			4.73
✓ Areas✓ Areas✓ Areas	s where industrial r s identified in the F s where spills or le	materials or activities are exposed PPC Plan as potential pollutant sol aks have occurred in the past thre	urces.	

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

Inspection No.	pection 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 of other contained 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										
2										
The State of the S										
1/2. Cooling tower silt wa	s checked above (i.e., for a tower silt was removed for as landfill disposed of off- nd mulched upon remova	rom Unit 1 in spring site. U2 cooling tow	and U2 in fall as part of	plant outage maintena	ince and stored in a s	tockpile area. U1 cooling 5. The stockiple area wil				
	i. 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					495,225	95%	Paved plant yard area, mobile equipment, several transformers	Inspections and maintenance as needed
008					40,257	50%	Area surrounding U1 cooling tower, several chemical tanks, paved and unpaved roads	Straw bales and maintenance as needed
011					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					47,235	90%	Emergency Response Facility parking lot and HVAC blowdown	Containments for oil filled equipment, additional BMPs as needed
013					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					212,352	80%	Paved plant yard area, mobile equipment, Diesel USTs	Containments for oil filled equipment, additional BMPs as needed. Maintenance as needed.
015					58,008	80%	Vehicle entrance road, scaffold storage and laydown	Containments for oil filled equipment, additional BMPs as needed. Maintenance as needed.
016					67,223	80%	Vehicle entrance road, mobile equipment	Containments for oil filled equipment, additional BMPs as needed. Maintenance as needed.
017					31,490	50%	Security entrance, Vehicle inspection facility, parking lot	Containments for oil filled equipment, additional BMPs as needed. Maintenance as needed.
019					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
				scharge to	municipal se	parate s	torm sewer system (MS4)?	0
		wner/opera					Outfalls discharging to MS4:	
3. Have	any chang	jes occurre	ed during the c	alendar ye	ar reporting p	eriod co	ompared to the previous calendar year?	☐ Yes ⊠ No
If Yes,	describe	the change	es:					

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		0.49	48			
011, 012, 013, 014, 015, 016, 017	4/2/2024	8		1.02	48			
019	5/25/2024	4		0.55	168			
003, 008, 011, 012, 013, 014, 015, 016, 017, 019	11/10/2024	24		0.54	816			011 Iron
E Plant				A STATE OF THE STA				
-								
			mit a corrective a		ered during the reporting period? Date by which corrective me	☐ Yes ☒ No		
Plant I	ogistics and p	ersonnel sche	duling do not alv	vays permit sam	ormwater sampling event, provide an upling to take place within the first 30 ts ability to collect all the required so	0 minutes of a rain	n event. The number o	

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	General Plant Manager			
Name (type or print legibly)	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: CBJCHBCAABAANI8uVaex3I4Jn9UhBunnfKQVy77FxkkE

"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
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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,

CC:

Robert J. Kristophel
Robert J. Kristophel (Jan 27, 2025 19.15 EST)

Robert Kristophel General Plant Manager

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

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