AOOI IE25 NRR



March 21, 2022 L-22-093

Department of Environmental Protection Bureau of Water Quality Management Attention: DMR Clerk 400 Waterfront Drive Pittsburgh, PA 15222

SUBJECT:

<u>Beaver Valley Power Station Discharge Monitoring Report (NPDES) Permit No. PA0025615</u>

Enclosed is the February 2022 NPDES Discharge Monitoring Report (DMR), Chemical Additives Usage Report, Daily Effluent Monitoring Report and Cooling Water Intake Monitoring Report in accordance with the requirement set forth in the site NPDES permit.

A review of the data indicates no permit parameters were exceeded during the month. A Non-Compliance Reporting Form is included to report failure to meet required daily sampling frequency on 2/4/2022 for Outfall 001 for FAC & temperature and Outfall 010 for temperature due to hazardous weather conditions.

Should you have any questions regarding the attached and enclosed documents, please direct them to Amy Savage, at 724-682-7359.

Sincerely,

Matthew J. Enos

General Plant Manager

Beaver Valley Power Station, Unit Nos. 1 and 2 L-22-093 Page 2

Enclosure(s):

- Monthly Discharge Monitoring Report Non-Compliance Reporting Form Chemical Additives Usage Report A.
- B.
- C.
- Daily Effluent Monitoring Report D.
- Cooling Water Intake Monitoring Report E.

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

FOR INTERNAL DISTRIBUTION USE ONLY

Internal Distribution of Letter L-22-093

S. York M. Reffert (ERM – Cranberry) Environmental File Central File: *Keyword- DMR* **ENCLOSURE A**

1227 - 210



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	A00256	515			001		Reporting Frequency:	Monthly	
PER	MIT NU	MBER	1	OUTF	ALL NU	MBER	DMR Effective From:	02/01/2022	
			_				DMR Effective To:	02/28/2022	
		MONITO	ORING	PERIOD			Permit Expires:	10/31/2026	
		T				T	Permit Application Due:	05/04/2026	
YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	П	
2022	02	01	то	2022	02	28			
	PERI	PERMIT NU	YEAR MO DAY	PERMIT NUMBER MONITORING YEAR MO DAY	PERMIT NUMBER OUTF. MONITORING PERIOD YEAR MO DAY YEAR	PERMIT NUMBER OUTFALL NU MONITORING PERIOD YEAR MO DAY YEAR MO	PERMIT NUMBER OUTFALL NUMBER MONITORING PERIOD YEAR MO DAY YEAR MO DAY	PERMIT NUMBER OUTFALL NUMBER DMR Effective From: DMR Effective To: Permit Expires: Permit Application Due: No Discharge:	DMR Effective From: 02/01/2022 DMR Effective To: 02/28/2022 DMR Effective To: 02/01/2026 DMR Effective From: 02/01/2022 DMR Effective From: 02/01/2022 DMR Effective From: 02/01/2022 DMR Effective From: 02/01/2022 DMR Effective From: 02/01/2022 DMR Effective From: 02/01/2022 DMR Effective From: 02/01/2022 DMR Effective From: 02/01/2022 DMR Effective From: 02/01/2022 DMR Effective From: 02/01/2022 DMR Effective From: 02/

PARAMETER			NTITY OR LOAD				ONCENTRATIO		SAMPLING FREQUENCY	SAMPLING TYP
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Temperature (deg F) (00011)	Sample Measurement		***	•••	***		73.7	°F	1/day	I-S
	Permit Requirement				***		110 Daily Max		1/day	I-S
	Facility Parameter Comments	001 - FAC & Temper	rature data was not ob	tained for 2/4/2022	due to hazardous wea	ather conditions.	1			
pH (00400)	Sample Measurement			***	7.7		8.0	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		1Awaek	Grab
Phenolics, Total (32730)	Sample Measurement			***		< .01	<.01	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	rng/L		
	Permit Requirement	***	***			.2 Avg Mo	.2 Daily Max		1/week	24-Hr Composite
Copper, Total (01042)	Sample Measurement			***		.009	.012	mg/L	2/month	Grab
3	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Iron, Total (01045)	Sample Measurement		•••	•••	•••	3.9	7.0	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement				***	1.0 Avg Mo	1.0 Daily Max		1/week	24-Hr Composite
Aluminum, Total (01105)	Sample Measurement	***		***	***	1.7	3.2	mg/L	2/month	Grab
	Permit Requirement				***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	34.3	39.5	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Delly Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***		<.1	.14	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	-	500 		***	.034 Avg Mo	.034 Daily Max		1/week	24-Hr Composite
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	< .02	<.02	mg/L	Continuous	Recorded
	Permit Requirement	-	898		***	Avg Mc	.5 Daily Max		Continuous	Recorded
	Facility Parameter Comments	001 - FAC & Tempe	erature data was not ob	stained for 2/4/2022	due to hazardous we	ather conditions.				
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
Hydrazine (81313)	Sample Measurement				***	GG	GG	mg/L		
	Permit Requirement	***	***		***	.007 Avg Mo	.007 Delly Max		1/week	Grab



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE	MONITORING	REPORT	(DMR

NAME:	ENERGY HARBOR NUCLEAR CORP		P	A00256	15			002	_	Reporting Frequency:	Monthly
ADDRESS:	168 E MARKET ST, AKRON OH, 44308-2014		PER	MIT NUI	MBER	1	OUTF	ALL NU	MBER	DMR Effective From:	02/01/2022
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					J		-		DMR Effective To:	02/28/2022
LOCATION:	PA ROUTE 168, SHIPPINGPORT PA, 15077				MONITO	RING F	PERIOD			Permit Expires:	10/31/2026
STAGE:	Final Effluent									Permit Application Due:	05/04/2026
			YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	П
		FRO	2022	02	01	TO	2022	02	28		<u> </u>

PARAMETER		QUA	NTITY OR LOAD	ING	Q	JANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING ITPE
Flow (50050)	Sample Measurement	.046	.046	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME:	ENERGY HARBOR NUCLEAR CORP		P	A00256	15	İ		003	1	Reporting Frequency:	Monthly
ADDRESS:	168 E MARKET ST, AKRON OH, 44308-2014		PERM	AUN TIN	MBER	1	OUTF	ALL NU	MBER	DMR Effective From:	02/01/2022
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1			-		J				DMR Effective To:	02/28/2022
LOCATION:	PA ROUTE 168, SHIPPINGPORT PA, 15077	1		-	MONITO	ORING I	PERIOD			Permit Expires:	10/31/2026
STAGE:	Final Effluent									Permit Application Due:	05/04/2026
			YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	
		FROM	2022	02	01	то	2022	02	28		<u> </u>
		1110111									

PARAMETER		QUA	NTITY OR LOAD	DING	C	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING ITPE
Ammonia-Nitrogen (00610)	Sample Measurement	-5-0		***		GG	GG	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Aluminum, Total (01105)	Sample Measurement	***		***	***	.33	.45	mg/L	2/month	24-Hr Composite
	Permit Requirement	***	400		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Flow (50050)	Sample Measurement	.173	.174	MGD			***	***	2/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Mex		***	***	***		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	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Hydrazine (81313)	Sample Measurement			***		GG	GG	mg/L		
	Permit Requirement		***		***	.007 Avg Mo	.007 Dally Max		1/week	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:
 Final Effluent

PA0025615 PERMIT NUMBER

MO

02

01 TO

YEAR

FROM 2022

004 OUTFALL NUMBER

DAY

YEAR MO

2022 02 28

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

Reporting Frequency:

Monthly
02/01/2022
02/28/2022
10/31/2026
05/04/2026

PARAMETER		QUA	NTITY OR LOAD	DING	Q	UANTITY OR C	ONCENTRATIO	N	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	I-S
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		***		Page .	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	Sample Moasurement		***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	1.0 Avg Mo	1.0 Daily Max		1/week	24-Hr Composite
Aluminum, Total (01105)	Sample Measurement			***	•••	***	***	mg/L		
	Permit Requirement	***	***		ace	Monitor & Report Avg Mo	Monitor & Report Daily Max		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	605	***		6+4	.5 Avg Mo	1.25 IMAX		1/week	Grab
Free Available Chlorine (50064)	Sample Measurement			***			***	mg/L		
	Permit Requirement		470		***	.2 Avg Mo	.5 Daily Mex		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		P/	A00256	15			006		Reporting Frequency:	Monthly
ADDRESS:	168 E MARKET ST, AKRON OH, 44308-2014		PERM	AUN TIN	MBER	1	OUTF	ALL NU	MBER	DMR Effective From:	02/01/2022
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					J				DMR Effective To:	02/28/2022
LOCATION:	PA ROUTE 168, SHIPPINGPORT PA, 15077	[-	MONITO	DRING P	PERIOD			Permit Expires:	10/31/2026
STAGE:	Final Effluent	-								Permit Application Due:	05/04/2026
			YEAR	МО	DAY		YEAR	MO	DAY	No Discharge:	
		FROM	2022	02	01	то	2022	02	28		<u> </u>

PARAMETER		QUA	NTITY OR LOAD	DING	Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCT	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)

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
I	PERMIT NUMBER

007 OUTFALL NUMBER
 Reporting Frequency:
 Monthly

 DMR Effective From:
 02/01/2022

 DMR Effective To:
 02/28/2022

 Permit Expires:
 10/31/2026

 Permit Application Due:
 05/04/2026

 No Discharge:
 ✓

			MONITO	DRING	PERIOD		
	YEAR	МО	DAY		YEAR	МО	DAY
ROM	2022	02	01	то	2022	02	28
		-		ı			

PARAMETER		QUA	NTITY OR LOAD	ING	QUANTITY OR CONCENTRATION				SAMPI ING EDECLIENCY	SAMPLING TYPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	1/week 1/week 1/week	JAMI LING TIPE	
Temperature (deg F) (00011)	Sample Measurement	***		***		***		٥F			
	Permit Requirement	***	***		***	***	110 Daily Max		1/day	I-S	
pH (00400)	Sample Measurement			***	***			S.U.			
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab	
Flow (50050)	Sample Measurement			MGD	***			***			
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***		***		1/wsek	Estimate	
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***		***	***	•••		mg/L			
	Permit Requirement		100		***	***	.20 Daily Max		1/week	Greb	
Nalco H150M (51698)	Sample Measurement			***			***	mg/L			
	Permit Requirement	***	***		Cali	.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)

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	7		010		Reporting Frequency:	Monthly	
PER	MIT NU	MBER	1	OUTF	ALL N	JMBER	DMR Effective From:	02/01/2022	
			_				DMR Effective To:	02/28/2022	
		MONIT	ORING	PERIOD			Permit Expires:	10/31/2026	
			T			T	Permit Application Due:	05/04/2026	
YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:		

	1	QUA	NTITY OR LOAD	ING		QUANTITY OR C	ONCENTRATION	4	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING ITP
Temperature (deg F) (00011)	Sample Measurement	***	***	***		***	52.5	٥F	1/day	I-S
	Permit Requirement	***	•		***	***	110 Delly Max		1/day	I-S
	Facility Parameter Comments	010 - Temperature	data was not obtained o	on 2/4/2022 due to I	hazardous weather o	onditions.				
pH (00400)	Sample Measurement	***		***	7.2	***	7.8	S.U.	1/week	Grab
	Permit Requirement				6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Flow (50050)	Sample Measurement	4.32	4.32	MGD	***			***	1/week	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	840	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement			•••		***	.10	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			•••		< .04	.05	mg/L	1/week	Grab
	Permit Requirement	***	***		***	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	010 - Temperature data was	not obtained on 2/4/20	22 due to bezardous w	nather conditions						



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

01 TO

YEAR MO DAY

02

FROM 2022

011 OUTFALL NUMBER

YEAR MO DAY

2022 02 28

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

Monthly
02/01/2022
02/28/2022
10/31/2026

Permit Application Due: No Discharge:

05/04/2026		

PARAMETERS REPORTED VALUES

PARAMETER		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			***	600		1/week	Estimate
Mercury, Total (71900)	Sample Measurement		***	***		<.2	<.2	ug/L	2/month	Grab
	Permit Requirement	***	600		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Facility Sampling Point Comments										

MONITORING PERIOD



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

FROM

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

Р	A0025	515]		012		Reporting Frequency:	Monthly
PERI	MIT NU	MBER	1	OUTF	ALL NU	IMBER	DMR Effective From:	02/01/2022
			_				DMR Effective To:	02/28/2022
		MONITO	ORING	PERIOD			Permit Expires:	10/31/2026
VEAD	140	DAY	Τ	VEAD	140	DAY	Permit Application Due:	05/04/2026
YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	П
2022	02	01	TO	2022	02	28		<u> </u>

PARAMETER		QUA	NTITY OR LOAD	ING		QUANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE VALUE UNITS		VALUE	VALUE VALUE		UNITS	SAMPLING FREQUENCY	SAMPLING TIPE	
pH (00400)	Sample Measurement	***	***	***	7.0		7.4	S.U.	3/month	Grab
	Permit Requirement				6,0 Inst Min		9.0 IMAX		2/month	Grab
Cadmium, Total (01027)	Sample Measurement		***	***	•••	< .001	< .001	mg/L	3/month	Grab
	Permit Requirement	***	and)		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Copper, Total (01042)	Sample Measurement			***	•••	.0038	.0039	mg/L	3/month	Grab
	Permit Requirement		•		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	Sample Measurement	***	***	***		< .005	< .005	mg/L	3/month	Grab
	Permit Requirement		100			Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	-0140	.014	MGD				***	3/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Delly Max		***				2/month	Estimate
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

ENERGY HARBOR NUCLEAR CORP

ADDRESS: FACILITY: 168 E MARKET ST, AKRON OH, 44308-2014
FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION:

PA ROUTE 168, SHIPPINGPORT PA, 15077

STAGE:

Final Effluent

PAUU25615	
PERMIT NUMBER	3

013 OUTFALL NUMBER Reporting Frequency: DMR Effective From: DMR Effective To:

Permit Expires:

Monthly
02/01/2022
02/28/2022
10/31/2026

MONITORING PERIOD

 YEAR
 MO
 DAY

 FROM
 2022
 02
 01

YEAR MO DAY
TO 2022 02 28

Permit Application Due: No Discharge:

05/04/2026			

PARAMETER		QUA	NTITY OR LOAD	ING		QUANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING TIPE	
pH (00400)	Sample Measurement	***	***	***	6.9		8.1	S.U.	2/month	Grab	
	Permit Requirement		***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab	
Copper, Total (01042)	Sample Measurement	***	***	***	***	.144	.27	mg/L	2/month	Grab	
	Permit Requirement	***	400		000	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		261	***	***		2/month	Estimate	
Facility Sampling Point Comments											



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

PA0025615

PERMIT NUMBER

02 01 TO

DAY

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

Internal Monitoring Point

YEAR MO

101 OUTFALL NUMBER

YEAR MO DAY

02 28

2022

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

Monthly	
02/01/2022	
02/28/2022	
10/31/2026	
05/04/2026	

PARAMETERS REPORTED VALUES

STAGE:

PARAMETER		QUA	NTITY OR LOAD	ING	(QUANTITY OR C	SAMPLING FREQUENCY	OAMBI ING TYPE		
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
pH (00400)	Sample Measurement			***	6.6	***	8.8	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	***	V		***	30.0 Avg Mo	100.0 Deily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	•••	***	***	•••	< 4.7	< 4.7	mg/L 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			
	Permit Requirement	***	***		***	Monitor & Raport Avg Mo	Monitor & Report Delly Max		1/week	Grab
Flow (50050)	Sample Measurement	.007	.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 Delly Max		1/week	Grab
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

						7				1	
NAME:	ENERGY HARBOR NUCLEAR CORP				PA0025615			102		Reporting Frequency:	Monthly
ADDRESS:	168 E MARKET ST, AKRON OH, 44308-2014			PERMIT NUMBER		1	OUTFALL NUMBER		MBER	DMR Effective From:	02/01/2022
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1								DMR Effective To:	02/28/2022	
LOCATION:	PA ROUTE 168, SHIPPINGPORT PA, 15077					MONITORING PERIOD					10/31/2026
STAGE:	Internal Monitoring Point									Permit Application Due:	05/04/2026
			YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	
		FROM	2022	02	01	то	2022	02	28		

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	***	***	***	6.6	***	7.2	S.U.	2/month	Grab
	Permit Requirement	***	•		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Total Suspended Solids (00530)	Sample Measurement		***	***	***	17.5	26.9	mg/L	2/month	Grab
	Permit Requirement	***			***	30.0 Avg Mo	100.0 Daily Max		2/month	Grab
Oil and Grease (00556)	Sample Measurement	***	•••	***		< 4.7	< 4.7	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		-	tur annual a			***************************************			- Lander - L	



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

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

	PA0025615 103							Reporting Frequency:	Reporting Frequency: Monthly				
	PERMIT NUMBER				OUTFALL NUMBER			DMR Effective From:	02/01/2022				
								DMR Effective To:	02/28/2022				
	MONITORING 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	2022	02	01	то	2022	02	28		<u> </u>				

PARAMETER		QUA	NTITY OR LOAD	ING	Q	UANTITY OR CO	DNCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING TIPE	
pH (00400)	Sample Measurement	3 ***		***	6.7		7.1	S.U.	2/month	Grab	
	Permit Requirement	***			6.0 Inst Min		9.0 IMAX		2/month	Grab	
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	5.2	5.9	mg/L	2/month	See Permit	
	Permit Requirement	***	***		Bot	30.0 Ava Mo	100.0 Daily Mux		2/month	See Permit	
Oil and Grease (00556)	Sample Measurement			***	***	< 4.7	< 4.7	mg/L	2/month	Grab	
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		2/month	Grab	
Flow (50050)	Sample Measurement	.123	.164	MGD		***	***	***	6/week	Estimate	
, total (access)	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: FACILITY:

168 E MARKET ST, AKRON OH, 44308-2014 FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION:

PA ROUTE 168, SHIPPINGPORT PA, 15077

STAGE:

Internal Monitoring Point

PA0025615 PERMIT NUMBER

108 OUTFALL NUMBER

Reporting Frequency: DMR Effective From: DMR Effective To:

Monthly 02/01/2022 02/28/2022

MONITORING PERIOD

Permit Expires: Permit Application Due:

No Discharge:

10/31/2026 05/04/2026 \checkmark

YEAR MO DAY FROM 2022 02

TO

01

YEAR MO DAY 2022 02 28

PARAMETER		QUA	NTITY OR LOAD	ING	(QUANTITY OR C	ONCENTRATION	I	SAMPLING FREQUENCY	SAMPLING TYPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREGUENCY	SAMP LING TIPE	
Flow (50050)	Sample Measurement	***		MGD		***		***			
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		4	•			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											



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: I

Internal Monitoring Point

PA0025615
PERMIT NUMBER

YEAR

FROM 2022

111 OUTFALL NUMBER

Reporting Frequency:

DMR Effective From:

DMR Effective To:

Monthly
02/01/2022
02/28/2022
10/31/2026

 MONITORING PERIOD
 Permit Expires:

 MO
 DAY
 YEAR
 MO
 DAY
 No Discharge:

 02
 01
 TO
 2022
 02
 28

5/04/2026	

PARAMETER		QUA	NTITY OR LOAD	ING	Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE	
PARAMETER	12-1	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING TIPE	
pH (00400)	Sample Measurement		***	***	7.1	***	7.3	S.U.	1/week	Grab	
	Permit Requirement	-	•		6.0 Inst Min		9.0 IMAX		1/week	Grab	
Total Suspended Solids (00530)	Sample Measurement			***	***	< 4.1	4.2	mg/L	1/week	Grab	
	Permit Requirement	•			in and	30.0 Avg Mo	100,0 Delly Max		1/week	Grab	
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 4.7	< 4.7	mg/L	1/week	Grab	
	Permit Requirement				of the state of	15.0 Avg Mo	20.0 Delly 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		And the second second			-						



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

IAME:	ENERGY HARBOR NUCLEAR CORP		P	A00256	15			211		Reporting Frequency:	Monthly
ADDRESS:	168 E MARKET ST, AKRON OH, 44308-2014		PERMIT NUMBER		MBER	1	OUTFALL NUMBER		MBER	DMR Effective From:	02/01/2022
ACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					J				DMR Effective To:	02/28/2022
OCATION:	PA ROUTE 168, SHIPPINGPORT PA, 15077	MONITORING P					PERIOD			Permit Expires:	10/31/2026
STAGE:	Internal Monitoring Point									Permit Application Due:	05/04/2026
			YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	П
		FROM	2022	02	01	то	2022	02	28		
]	

PARAMETERS REPORTED VALUES

PARAMETER		QUA	NTITY OR LOAD	ING	QI	JANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING ITTE	
pH (00400)	Sample Measurement	***		***	7.1	***	7.6	S.U.	1/week	Grab	
	Permit Requirement	•	•		6.0 Inst Min	•	9.0 IMAX		1/week	Grab	
Total Suspended Solids (00530)	Sample Measurement		***	***	***	7.8	10.5	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	< 5.4	mg/L	1/week	Grab	
	Permit Requirement					15.0 Avg Mo	20.0 Daily Max		1/weak	Grab	
Flow (50050)	Sample Measurement	.002	.002	MGD		***		***	1/week	Estimate	
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max				100 m		1/week	Estimate	
Facility Sampling Point Comments		The same of the sa			-						

4- 10



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME:

ENERGY HARBOR NUCLEAR CORP

ADDRESS: FACILITY:

168 E MARKET ST, AKRON OH, 44308-2014 FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION: STAGE:

PA ROUTE 168, SHIPPINGPORT PA, 15077

Internal Monitoring Point

PA0025615 PERMIT NUMBER

> 02 01 TO

YEAR MO DAY

FROM 2022

-. 1-1

301 OUTFALL NUMBER

Reporting Frequency: DMR Effective From:

Monthly DMR Effective To:

02/01/2022 02/28/2022 10/31/2026

DAY

Permit Expires: Permit Application Due: No Discharge:

05/04/2026 V

PARAMETERS REPORTED VALUES

PARAMETER		QUA	NTITY OR LOAD	ING	Q	UANTITY OR C	ONCENTRATIO	SAMPLING FREQUENCY	SAMPLING TYPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING TYPE
Total Suspended Solids (00530)	Sample Measurement	***		***		•••	***	mg/L		
	Permit Requirement	73.			7 T	30.0 Avg Mo	100,0 Daily Max		2/month	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	**************************************	的。 第二句形			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

YEAR MO

2022 02 28



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

PA ROUTE 168, SHIPPINGPORT PA, 15077 LOCATION:

STAGE: **Internal Monitoring Point**

P	A0025	615		303		Reporting Frequency:	Monthly	
PERI	RMIT NUMBER OUTFALL NUMBER		IMBER	DMR Effective From:	02/01/2022			
						DMR Effective To:	02/28/2022	
	MONITORING PERIOD					Permit Expires:	10/31/2026	
					T	Permit Application Due:	05/04/2026	
AR	МО	DAY	AY YEAR MO DAY		No Discharge:			

FROM 2022 02 01 2022 02 28 TO

PARAMETER		QUA	NTITY OR LOAD	ING	QI	JANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING I TPE	
pH (00400)	Sample Measurement		***	***	6.7	***	7.6	S.U.	2/month	Grab	
	Permit Requirement				6.0 Inst Min		9.0 IMAX		2/month	Grab	
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	16.2	27.0	mg/L	2/month	Grab	
	Permit Requirement					30.0 Avg Mo	100.0 Daily Max		2/month	Grab	
Oil and Grease (00556)	Sample Measurement	***		***		< 4.7	< 4.7	mg/L	2/month	Grab	
	Permit Requirement					15.0 Avg Mo	20.0 Daily Max		2/month	Grab	
Flow (50050)	Sample Measurement	.056	.056	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)

						7		_			
NAME:	ENERGY HARBOR NUCLEAR CORP		P	A00256	15			313		Reporting Frequency:	Monthly
ADDRESS:	168 E MARKET ST, AKRON OH, 44308-2014		PERM	AIT NUI	MBER	1	OUTF	ALL NU	MBER	DMR Effective From:	02/01/2022
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					J				DMR Effective To:	02/28/2022
LOCATION:	PA ROUTE 168, SHIPPINGPORT PA, 15077	- 1			MONITO	DRING F	PERIOD			Permit Expires:	10/31/2026
STAGE:	Internal Monitoring Point									Permit Application Due:	05/04/2026
			YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	
		FD014	2022	00	0.4	TO	2022	00	20		

FROM 2022

02

01 TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREGUENCY	SAMPLING ITPE
pH (00400)	Sample Measurement		***	***	6.7	***	7.4	S.U.	1/week	Grab
	Permit Requirement		•		6.0 Inst Min	18. T.	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	13.4	16.0	mg/L	1/week	Grab
	Permit Requirement	14.00	- · ·			30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement		***	***		< 4.7	<4.8	mg/L	1/week	Grab
	Permit Requirement	217.3			-	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			The property of the Paris Sol		The second secon		THE OWN THE STREET WASHINGTON			

2022

02 28



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

DISCHARGE MONITORING REPORT (DMR)

	 -	

ENERGY HARBOR NUCLEAR CORP

ADDRESS: FACILITY:

168 E MARKET ST, AKRON OH, 44308-2014 FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION:

PA ROUTE 168, SHIPPINGPORT PA, 15077

STAGE:

Internal Monitoring Point

PAOC	25615
PERMIT	NUMBER

FROM 2022

401 **OUTFALL NUMBER** Reporting Frequency: DMR Effective From: DMR Effective To:

Permit Expires:

Monthly 02/01/2022 02/28/2022 10/31/2026

	MONITORING PERIOD											
	YEAR	МО	DAY		YEAR	МО						
1	2022	02	01	то	2022	02						

Permit Application Due: DAY No Discharge: 28

05/04/20	20			
-			 	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QI	JANTITY OR C	ONCENTRATIO	N	CAMPI INC EDECLIENCY	0.4401 1110 7277
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
pH (00400)	Sample Measurement	***		***	8.0	•••	***	S.U.	2/month	Grab
	Permit Requirement				6.0 Inst Min	,	- 1		2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 4.0	< 4.0	mg/L	2/month	Grab
	Permit Requirement					30.0 Avg Mo	100,0 Daily Max		2/month	Grab
Oil and Grease (00556)	Sample Measurement			***		< 5.3	< 5.3	mg/L	2/month	Grab
	Permit Requirement	-	ALC: Take			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						No. of Concession, Name of Street, Name of Str			A comment of the comm	



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

MONITORING PERIOD

YEAR MO DAY

2022 02 28

NAME: ENERGY HARBOR NUCLEAR CORP
ADDRESS: 168 E MARKET ST, AKRON OH, 44308-2014

FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077

STAGE: Internal Monitoring Point

FACILITY:

PA0025615 PERMIT NUMBER

02

01 TO

YEAR MO DAY

FROM 2022

403 OUTFALL NUMBER Reporting Frequency:

DMR Effective From:

DMR Effective To:

Monthly
02/01/2022
02/28/2022
10/31/2026

Permit Expires:
Permit Application Due:
No Discharge:

10/31/2026 05/04/2026

PARAMETER		QUA	NTITY OR LOAD	ING		QUANTITY OR C	ONCENTRATIO	V	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		Weekly when Discharging	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	1.5	"		•	30.0 Avg Mo	100.0 Daily Max		Weekly when Discharging	Grab
Oil and Grease (00556)	Sample Measurement			***	***			mg/L		
	Permit Requirement	(e			***	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		77.7 T		100(100)	.2 Avg Mo	.2 Daily Max		Weekly when Discharging	Grab
Zinc, Total (01092)	Sample Measurement			***	***	***	***	mg/L		
	Permit Requirement	Tall Tall	•			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			12.7			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 Dally Max		Weeldy when Discharging	Grab
Hydrazine (81313)	Sample Measurement	***	***	***	***	***		mg/L		
	Permit Requirement		To different		•	.007 Avg Mo	.007 Daily Max		Weekly when Discharging	Grab
Facility Sampling Point Comments										Politica da Ingras Carlos



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

MONITORING PERIOD

DAY

01 TO 2022

NAME:

ENERGY HARBOR NUCLEAR CORP

ADDRESS: FACILITY: 168 E MARKET ST, AKRON OH, 44308-2014
FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION:

PA ROUTE 168, SHIPPINGPORT PA, 15077

STAGE:

Internal Monitoring Point

PA0025615 PERMIT NUMBER

02

YEAR MO

FROM 2022

601 OUTFALL NUMBER

02 28

DAY

YEAR MO

Reporting Frequency: DMR Effective From: Monthly 02/01/2022

DMR Effective To: Permit Expires: 02/28/2022

Permit Application Due: No Discharge: 05/04/2026

PARAMETER		QUA	NTITY OR LOAD	ING	(QUANTITY OR C	ONCENTRATION	4	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	TS SAMPLING PREGOENCY	SAMPLING ITE
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		4-E-20 - 74's			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		7				1/week	Estimate
Hydrazine (81313)	Sample Measurement		***	***	***		***	mg/L		
	Permit Requirement					Monitor & Paport Avg Mo	Monitor & Report Daily Max		1/week	Grab
Facility Sampling Point Comments	The second second second second		No. of Street, or other parties of		The state of the s	Accessed to the last				



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

PA ROUTE 168, SHIPPINGPORT PA, 15077
Internal Monitoring Point

PA0025615	
PERMIT NUMBER	1

MO

DAY

01 TO

YEAR

2022 02

FROM

701 OUTFALL NUMBER

DAY

YEAR MO

2022 02 28

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

Reporting Frequency:

Monthly	
02/01/2022	
02/28/2022	
10/31/2026	
05/04/2026	
\square	

PARAMETERS REPORTED VALUES

STAGE:

PARAMETER		QUA	NTITY OR LOAD	ING		QUANTITY OR C	ONCENTRATION	ŧ	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMP ENG TIPE
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	•	A		6.9 Inst Min	***	9.0 fMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***			mg/L		
	Permit Requirement	***	***		500	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement		7.7		***	15.0 Avg Mo	20.0 Daily Mex		1/week	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	**		860	Monitor & Report Avg Mo	Monitor & Report Delly Max		1/week	Grab
Flow (50050)	Sample Measurement			MGD	***		•••	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		13. 1.1	200	***		1/week	Estimate
Hydrazine (81313)	Sample Measurement	***	•••	***	***	***	***	mg/L		
	Permit Requirement	***	**		***	Monitor & Report Avg Mo	Monitor & Report Delly Max		1/week	Grab
Facility Sampling Point Comments					4				And the second s	



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
Chemical Additives Form BPVS Feb 22 DMR.pdf	Chemical Additives Usage Form	2022-03-25T06:52:02-04:00	
Daily Effluent Form BVPS Feb 22 DMR.pdf	Dally Effluent Monitoring Form	2022-03-25T06:52:28-04:00	
Cooling Water Monitoring Form BVPS Feb 22 DMR.pdf	Other	2022-03-25T06:53:18-04:00	Cooling Water Intake Monitoring Form
Cover Letter BVPS Feb 22 DMR.pdf	Cover Letter	2022-03-25T06:50:47-04:00	
Non-Compliance Form BVPS Feb 22 DMR.pdf	Letter Explaining Non-Compliance	2022-03-25T06:51:30-04:00	

PERMIT VIOLATIONS

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

UNAUTHORIZED DISCHARGES

ſ	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
-1					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

SUBMITTED BY GREENPORT USER		Matthew Enos	TELEPHO	NE	DATE		
.	penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information before the persons directly responsible for gathering the lateration the		(724)	682-7773	2022	03	25
	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 FULL NAME	AREA CODE	NUMBER	YEAR	МО	DAY

ENCLOSURE B

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

INSTRUCTIONS FOR COMPLETING NON-COMPLIANCE REPORTING FORM

Use this supplemental form to report <u>all</u> permit violations and any other non-compliance that may endanger health or the environment, in accordance with your permit. Complete all sections that apply. If you are reporting violations of permit limits, monitoring requirements or schedules that do not pose an immediate threat to health or the environment, you may attach this form to the Discharge Monitoring Report (DMR). If you are reporting other non-compliance events, and the deadline for a written report (e.g., 5 days) does not coincide with your submission of the DMR, this form should be submitted separately to the Department by the reporting deadline set forth in the permit.

If you are unsure of whether an incident constitutes non-compliance that may endanger health or the environment, it is recommended that you notify the Department verbally as soon as possible after you become aware of the incident. Title 25, Pa. Code §§ 91.33 and 91.34 (regarding incidents causing or threatening pollution and activities utilizing pollutants, respectively), in part requires immediate notification by telephone to the Department of pollution incidents, remediation, and may require an additional report on the incident or plan of pollution prevention measures.

Instructions:

3

- 1. Enter the name of the facility, the municipality and county where it is located, the month and year when violations occurred, and the NPDES or WQM permit number for the facility.
- 2. If there were violations of permit effluent limitations during the month, check the box next to "Violations of Permit Effluent Limitations." (Note if using the electronic version of this form, check the boxes first, and then select Tools Unprotect Document to enter additional information). Enter the date of the violation (if a violation of a minimum or maximum limit, the date of sample collection, or if a violation of an average limit, the end of the monitoring period), the parameter name, the permit limit and units, the statistical code (e.g., "MIN", "MAX", "MO AVG", etc.), the measured result and units, the cause of the violation and the corrective action taken. If there are more than two violations during the monitoring period and/or if the space provided is insufficient to explain the cause or corrective action, please attach additional pages.
- 3. If there are Sanitary Sewer Overflow (SSO) discharges or other unauthorized discharges from the facility (e.g., spills, leaks, etc.) that enter or have the potential to enter waters of the Commonwealth, including groundwater, notify DEP by phone as soon as possible, and document the discharge on this form by checking the box next to "Sanitary Sewer Overflows and Other Unauthorized Discharges." Record the event (discharge) date, the substance discharged (e.g., sewage, on-site chemicals, etc.), the location where the discharge occurred (e.g., manhole number, pump station name, equipment description, etc.), the volume discharged (gallons), the approximate duration of the discharge (hours), the receiving waters (name of stream or groundwater), the impact on the receiving waters, if observed (e.g., solids deposition, foam, fish kill, etc.), the cause of the discharge, and the date on which the Department was verbally notified. If there are more than two discharge events during the monitoring period and/or if the space provided is insufficient to explain the discharge, please attach additional pages.
- 4. If there are other violations of the permit, check the box next to "Other Permit Violations," and check the appropriate box that describes the violation type. If not identified on the form, check the box next to "Other" and provide a written explanation. If the space provided is insufficient to explain the violation, please attach additional pages.
- 5. Type your name and title and sign and date the form after reading the certification statement.

If you have questions about completing this form, contact the Clean Water Program Operations Section of the Department in your region:

Southeast Region – (484) 250-5970 Northeast Region – (570) 826-2553 Southcentral Region – (717) 705-4707 Northcentral Region – (570) 327-3636 Southwest Region – (412) 442-4060 Northwest Region – (814) 332-6942



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

NON-COMPLIANCE REPORTING FORM

Use this supplemental form to report all permit violations and any other non-compliance that may endanger health or the environment, in accordance with your permit. Complete all sections that apply. If you are reporting violations of permit limits, monitoring requirements or schedules that do not pose an immediate threat to health or the environment, you may attach this form to the Discharge Monitoring Report (DMR). Title 25, Pa. Code §§ 91.33 and 91.34 (regarding incidents causing or threatening pollution and activities utilizing pollutants, respectively), in part requires immediate notification by telephone to the Department of pollution incidents. remediation, and may require an additional report on the incident or plan of pollution prevention measures. If you are reporting other non-compliance events, and the reporting deadline does not coincide with your submission of the DMR, it should be submitted separately to the Department by the reporting deadline set forth in the permit. See instructions for more information

200 11100												
Facility I			y Power Station					Montl		Year:	2022	
Municipa	ality:	Shippingport	Borough			County: Be	aver		Permit N	lo.: PA002561	5	
☐ Viola	ations of P	ermit Effluent	Limitations*									
	Date	Paramete	Permit r Limit	Units	Statistic Code	al Resu	ılt Uni	ts	Cause of Vi	olation	Corrective A	ction Taken
			D									
☐ Sani	tary Sewe	r Overflows ar	nd Other Unaut	horized	Discharges	*						
			Volume	/olume Duration (gals) (hrs)		-	pact on Naters	Causa of	Discharge	Date DEP Notified		
<u> </u>	ate Di	scharged	Location (gal		(gais)	(ms)	Waters		rvaters .	Cause of Discharge		Notified
-												
Other Other In the content of the	er Permit V	iolations*										
\boxtimes	Sample	collection less f	frequent than re	quired		Explain	001 - FAC		ıre data was	not obtained for 2	2/4/2022 due to ha	zardous weather
							010 - Te conditions		ta was not	obtained on 2/4	/2022 due to haz	ardous weather
	Sample type not in compliance with permit											
	Violation	of permit sche	edule			Explain						
	Other					Explain				The Control of the Co		
	Other					Explain						
*If the	enace nr	ovided is no	at sufficient t	o recor	d all infor	mation nle	ase attac	h additiona	shoots			-

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:	Matt Enos	Signature:	1/4/
Title:	General Plant Manager	Date:	3/24/2022

ENCLOSURE C

To The



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name:

Municipality: Watershed: **Ohio River**

Beaver Valley Power Station - Unit 1

Shippingport Borough

County:

Beaver

Month: February NPDES Permit No.:

PA0025615

Year:

2022

Outfall:

001

Renewal application due 180 days prior to expiration.

This permit will expire on:

October 31, 2026

	T				1			Chemic	al Names							
1			Control Bro	om CB-	Surfa	ctant	Dispersant	Nalco	Acti Brom	Nalco	Biocide	Nalco	Dechlor	ination		
	Bleach Liqu	uichlor	70		Naico	73550	3DT-	120	131	18	H-1	50M	Nalco	7408		
Day	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	galions	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	233.0		19.0		0.0		47.0		0.0		0.0		20.0			
2	243.0		19.0		0.0		47.0		0.0		0.0		18.0			
3	156.0		13.0		0.0		47.0		0.0		0.0		14.0			
4	0.0		0.0		0.0		47.0		0.0		0.0		5.0			
5	233.0		19.0		0.0		47.0		0.0		0.0		20.0			
6	233.0		0.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.0		47.0		0.0		0.0		18.0			
7	243.0		19.0		0.0		47.0		0.0		0.0		18.0		11	
8	233.0		19.0		0.0		24.0		0.0		0.0		20.0			
9	243.0		19.0		0.0		24.0		0.0		0.0		0.0			
10	233.0		19.0		0.0		24.0		0.0		0.0		26.0	,		
11	0.0		0.0		0.0		24.0		0.0		0.0		15.0			
12	233.0		19.0		0.0		24.0		0.0		0.0		22.0			
13	233.0		19.0		0.0		24.0		0.0		0.0		23.0			
14	233.0		19.0		0.0		24.0		0.0		0.0		15.0			
15 16	175.0		14.0		0.0		24.0		0.0		0.0		13.0			
	185.0		14.0		0.0		24.0		0.0		0.0		13.0			7
17	175.0		14.0		0.0		24.0		0.0		0.0		13.0			
18	242.0		19.0		0.0		24.0		0.0		0.0		19.0			
19	233.0		19.0		0.0		24.0		0.0		0.0		22.0	3.9		
20	233.0		19.0		0.0		24.0		0.0		0.0		22.0			
21	233.0		19.0		0.0		24.0		0.0		0.0		20.0			
22 23	243.0		19.0		0.0		24.0		0.0		0.0		26.0			
23	233.0		19.0		0.0		24.0		0.0		0.0		27.0			14.1
24	117.0		10.0		0.0		24.0		0.0		0.0		10.0			
25	243.0		19.0		0.0		24.0		0.0		0.0		20.0			
26	233.0		19.0		0.0		24.0		0.0		0.0		20.0			
27	233.0		19.0		0.0		24.0		0.0		0.0		20.0			
28	243.0		19.0		0.0		24.0		0.0		0.0		21.0			
29																
30																
31																
Average	206.1		15.9				29.8						17.9			75.55
Maximum	243.0		19.0				47.0						27.0			

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James	s Harvey
--------------------	----------

Title:

Senior Nuclear Specialist

License No.:

Date:

3/21/2022



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name:

Municipality: Watershed: **Ohio River**

Beaver Valley Power Station - Unit 2

County: Beaver **Shippingport Borough**

Month: February

Year:

2022

001

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

Outfall:

This permit will expire on:

October 31, 2026

								Chemica	al Names							
			Control Br	om CB-	Surfa	ctant	Dispersant	Naico	Biocide	Nalco	Dechlor	rination				
	Bleach L	iquichlor	70		Nalco	73550	3DT-	120	H15	0-M	Nalco	7408			*	
Day	gallons	lbs	gallons	lbs	gallons	lbs	galions	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	259.0		0.0		27.0		63.0		0.0		0.0					
2	259.0		28.0		27.0		63.0		0.0		0.0					
3	205.0		22.0	,	27.0		63.0		0.0		0.0					
4	0.0		0.0		0.0		63.0		0.0		0.0					
5	0.0		0.0		0.0		63.0		0.0		0.0					
6	259.0		28.0		27.0		63.0		0.0		0.0					
7	0.0		28.0		27.0		47.0		0.0		0.0					
8	259.0		28.0		27.0		17.0		0.0		0.0					V
9	259.0		28.0		0.0		17.0		0.0		0.0					
10	259.0		28.0		27.0		17.0		0.0		0.0					
11	151.0		16.0		27.0		17.0		0.0		0.0					
12	259.0		28.0		27.0		17.0		0.0		0.0					
13	259.0		28.0	1	27.0		17.0		0.0		0.0					
14	0.0		0.0		0.0		17.0		0.0		0.0					
15	177.0		19.0		27.0		17.0		0.0		0.0					
16	194.0		21.0		27.0		17.0		0.0		0.0					
17	179.0		19.0		27.0		17.0		0.0		0.0					
18	259.0		28.0		127.0		17.0		0.0		0.0					
19	259.0		28.0		27.0		17.0		0.0		0.0					
20	259.0		28.0		27.0		17.0		0.0		0.0					
21	259.0		28.0		27.0		17.0		0.0		0.0					
22	259.0		28.0		27.0		17.0		0.0		0.0					
23	259.0	-	28.0		27.0		17.0		0.0		0.0					
24	129.0		14.0		27.0		17.0		0.0		0.0					
25	237.0		25.0		27.0		17.0		0.0		0.0					
26	259.0		28.0		27.0		17.0		0.0		0.0					
27	259.0		28.0		0.0		17.0		0.0		0.0					
28	259.0		28.0	1	0.0		17.0		0.0		0.0					
29																
30																
31																
Average	202.7		21.9		21.2		27.9				7					
Maximum	259.0		28.0		27.0		63.0									

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared	By:	James	Harvey

Title:

Senior Nuclear Specialist

License No.:

Date:

3/21/2022

October 31, 2026



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

This permit will expire on:

/									
Facility Name:	Beaver Valley power Station			Month:	February		Year:	2022	
Municipality:	Shippingport Borough	County:	Beaver	NPDES F	Permit No.:	PA0025615	Outfall:	003	
Watershed:	Ohio River			Renewal	application due	e 180 days prior to e	xpiration.		

	This perfilt will expire on. October 01, 2020															
	Chemical Names															
	RO Antis															
	Hypers				-					-						
Day	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	ibs	gallons	lbs	gallons	lbs	gallons	lbs
1	0.19															
2	0.42															
3	0.22			1												
4	0.19															
5	0.39			1												
6	0.0					LOCIO SESSO SESSO										
7	0.0						1									
8	0.45															
9	0.78															
10	0.26															
11	0.42															
12	0.13															
13	0.0		1													
14	0.39															
15	0.62															
16	0.13		1													
17	0.0															
18	0.58															
19	0.26			1	1											
20	0.0		1													
21	0.39		1													
22	0.78													4		
23	0.16		1													4
24	0.0		1													
25	0.42													7		
26	0.38		1											-		
27	0.0			1												
28	0.06				1											
29			1	11.												
30																
31																
Average	0.3															-
Maximum	0.8				1											

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By	James Harvey	License No.:		
Title:	Senior Nuclear Specialist	Date:	3/21/2022	



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility	Name:
Municip	ality:

Watershed:

Beaver Vallley Power Station

Shippingport Borough

Ohio River

County: Beaver

Month: February NPDES Permit No.:

Year:

2022

Outfall: 010

Renewal application due 180 days prior to expiration. This permit will expire on:

October 31, 2026

PA0025615

								Chemic	al Names							
		lium		ontrol-Brom CB-		ide	Dechlor		Corrosio							
		hlorite	70	_	Nalco I		NALCO		NALCO							
Day		lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	and the same of the same agreement of the		0.0		0.0		2.0		0.0							
2			0.0		0.0		2.0		0.0							
3			0.0		0.0		2.0		0.0							
4	and the second s		0.0		0.0		2.0		0.0							-
5			0.0		0.0		2.0		0.0							
6			0.0		0.0	Mar 10 2 10 10 10 10 10 10 10 10 10 10 10 10 10	2.0		0.0					X		
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Prepared	Ву:	James	Harvey
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Title:

Senior Nuclear Specialist

License No.:

Date:

3/21/2022



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

P	DEPARTMENT OF	ENVIRONMENTAL	PROTE
Facility Na	me'	Reaver V	alle

y Power Station - Unit 1 Secondary

Shippingport Borough

County: Beaver

Month: February

Year:

2022

Municipality:

Ohio River

NPDES Permit No.:

PA0025615

Outfall:

No Outfall Renewal application due 180 days prior to expiration.

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

This permit will expire on:

October 31, 2026

								Chemic	al Names							
_	Hydra		Monoethai PT70	000				ll		11-		lb.		lh-		lb.s
Day	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
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2	5.0		0.0						 							
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4	5.0		0.0													
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Maximum	5.0		1.0			L	4								1	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and
evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the
information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the
possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By:	Jim Harvey	License No.:	
Title:	Senior Nuclear Specialist	Date:	3/2/2022



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

/	-
Facility	Name:

Municipality:

Watershed:

Beaver Valley Power Station - Unit 2 Secondary

Shippingport Borough

Ohio River

County: Beaver

Month: February

Year:

2022

NPDES Permit No.: PA0025615

Outfall:

No Outfall

Renewal application 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

								Chemic	al Names							
	Hydra		Monoethar PT70	000												
Day	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	It
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Maximum	17.0		5.0													

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared	Bv:	Jim	Harvey
1 Topaloa	-J.	•	

Title: Senior Nuclear Specialist

License No.:

Date:

3/2/2022

ENCLOSURE D



SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

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

Month: 2 (select number) Year: 2022
Permit No.: Outfall: 001
Renewal application due 180 days prior to expiration.

This permit will expire on: October 31, 2026

	f	Parameter	Flow		рН		TRC	F	ree Availat	le	Temperature		NH3-N	То	tal Aluminum	Tota	al Chromium	Te	otal Copper		Total Iron	Te	otal Mercury		Total Zinc		Hydrazine	N	ialco H150M	Tota	al Phenolics
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	Sat	2/12/22	33.4					<	0.02		63.1													_							
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Prepared By:	James Harvey	License No	D.:
Title:	Senior Nuclear Specialist	Date:	3/14/2021

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING***

Facility Name:
Municipality:
Watershed:
Laboratories:

 Beaver Valley Power Station
 Month:
 2 (select number)
 Year:
 2022

 Shippingport Borough
 County:
 Beaver
 Permit No.:
 Outfall:
 002

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

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

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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 pensons directly responsible for gathering the information, the information, the information, the information, the information, the information, the information is under the three are significant penalties for submitting lates information, including the possibility of the and imprisonment for knowing violations. See 18 Pa. C.5, 4964 (relating to unwwon flatification).

Prepared By:	James Harvey	 License No.:	
Title:	Senior Nuclear Specialist	Date:	3/14/2022



SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month: 2 (select numb	er) Year:	2022
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall:	003
Watershed:	20-B			Renewal application due 18	0 days prior to expire	ation.
Laboratories:	TestAmerica, BVPS Lab			This permit will expire on:	October 31, 2026	

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

Prepared B	y: James Harvey	License i	No.:	
Title:	Senior Nuclear Specialist	Date:	3/14/2022	



3800-FM-BCW0435 3/2012

Facility Name:	Beaver Valley Power Station			Month: 2 (select number)	Year:	2022
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall:	004
Watershed:	20-B			Renewal application due 180 c	lays prior to expi	ration.
Laboratories:	TestAmerica, BVPS Lab			This permit will expire on:	October 31, 2026	5

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Proposed Day Impact Manager

Prepared By:	James Harvey	License No	.:	
Title:	Senior Nuclear Specialist	Date:	3/14/2022	

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month: 2 (select num	ber) Year:	2022
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall:	006
Watershed:	20-B			Renewal application due 1	180 days prior to expire	ation.
I abassississi	Total montes DVDC Lab			This permit will evering on:	Ontobay 24 2020	

Labo	ratories:	Test	America, B	/PS Lab						This pern	nit will expire o	n: <u>0</u>	october 31, 2026															
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Prepared By:	James Harvey	License No.:	
Title:	Senior Nuclear Specialist	Date:	3/14/2022



3800-FM-BCW0435 3/2012

Facility Name:	Beaver Valley Power Station			Month: 2 (select number		2022
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfail:	007
Watershed:	20-B			Renewal application due 18	days prior to expir	ation.
Laboratories:	TestAmerica, BVPS Lab			This permit will expire on:	October 31, 2026	

Labo	ratories:	Test	America, B	VP3 L	ato					-	inis permit w	all exp	oire on:	Oct	ober 31, 2026																
	F	arameter	Flow		pH		TRC	Fr	ree Available Chlorine	Te	emperature	Na	ilco H150M																		
		Stage	1		1		1		1		1		1															100			
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Prepared By:	James Harvey	License No	.:
Title:	Senior Nuclear Specialist	Date:	3/14/2022

	pennsylvania DEPARTMENT OF ENVERONMENTAL PROTECTION
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3800-FM-BCW0435 3/2012

Facility Name: Municipality: Watershed: Laboratories:

Beaver Valley Power Station			Month: 2 (select number)	Year: 2	022
Shippingport Borough	County:	Beaver	Permit No.:	Outfail: 01	10
20-B			Renewal application due 180	days prior to expiration	n.
TestAmerica, BVPS Lab			This permit will expire on:	October 31, 2026	

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Statestics for DMR
Daily Minimum (Cond.): 7.2 < 0.02 < 0.02 27.9 < 0.0002
Daily Maximum (Conc): 7.8 0.1 0.05 52.5 < 0.0002
Max Avg Weekly (Conc.): 0.10 0.1 40 < 0.0002
Ava Monthly (Conc.): < 0.05 < 0.04 40.78 < 0.0002
Geometric Meen (Conc.):
Geometric Mean (Conc.): Max Avg Weekly (Loed): 4.32 4 2 < 0.007
Geometric Mean (Conc.): Max Avg Weelby (Loed): 4.32
Geometric Mean (Conc.): Max /wg Weeldy (Loed): 4.32

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 flose persons directly responsible for gathering the information, the information submitted is, in the best of my knowledge and belief, true, accurate and complets. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By:	James Harvey	License No.:).:					
Title:	Senior Nuclear Specialist	Date:	3/17/2022					

P	pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION
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3800-FM-BCW0435 3/2012

Facility Name:	Beaver Valley Power Station			Month: 2 (select number)	Year:	2022
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall:	011
Watershed:	20-B			Renewal application due 180 d	ays prior to expi	ration.
Laboratories:	TestAmerica, BVPS Lab			This permit will expire on:	October 31, 2026	3

abora	ories.	Test	estamerica, DVP3 Lab								This permit will expire on.				Der 31, 2026	1, 2020															
	P	arameter Stage	Flow 1	То	tal Mercury				P		ť																				
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Prepared By:	James Harvey	Licehse	No.:
Title:	Senior Nuclear Specialist	Date:	3/14/2022

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month: 2 (select number)	Year:	2022
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall:	012
Watershed:	20-B			Renewal application due 180 da	ys prior to exp	iration.
I aboratories:	TestAmerica RVPS Lab			This permit will expire on:	October 31, 202	6

Lubo	abolatories.									This permit will expire on.				51. Salabet 51; 2020																	
	P	arameter	Flow		pH 1	Tot	al Cadmium	Т	otal Copper	,	Total Zinc																				
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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 is, to the best of my knowledge and belief, true, accurate and complete. I am ewere that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 16 Pa. C.S. § 4904 (relating to unsworn fetalification).

Prep	pared By:	James Harvey	License N	10.:	
Title):	Senior Nuclear Specialist	Date:	3/14/2022	

	pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION
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3500-FM-BCW0435 3/2012

١	Facility Name:	Beaver Valley Power Station		1	Month: 2 (select number)	Year:
ı	Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall:
ı	Watershed:	20-B			Renewal application due 180 da	ys prior to expira
1	Laboratories:	TestAmerica, BVPS Lab			This permit will expire on:	October 31, 2026

2022 013 Year: Outfall: days prior to expiration.

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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 balled, frue, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of the and impressionment for knowledge.

Prepared By:	James Harvey	License No.	
Title:	Senior Nuclear Specialist	Date:	3/14/2022



SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month: 2	(select number)	Year:	2022	
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:		Outfall:	101	
Watershed:	20-B			Renewal applic	ation due 180 da	ys prior to exp	iration.	
I aboratories	TestAmerica RVPS I ab		1	This permit will	expire on:	otober 31 202	6	

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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:	James Harvey	License No.	:
Title:	Senior Nuclear Specialist	Date:	3/17/2022





3800-FM-BCW0435 3/2012

Facility Name:	Beaver Valley Power Station			Month: 2 (select number) Year:	2022
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall:	102
Watershed:	20-B			Renewal application due 18	days prior to expir	ration.
Laboratories:	TestAmerica, BVPS Lab			This permit will expire on:	October 31, 2026	

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ng the possibility of fine and imprisonment for knowing violations. See 18	Pa. C.S. § 4904 (relating to unsworn felsification).
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Licens	e No.:
Specialist Date:	3/14/2022
	ng the possibility of fine and imprisonment for knowing violations. See 18 I

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month: 2 (select numb	er) Year: 20	22
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall: 103	3
Watershed:	20-B			Renewal application due 1	80 days prior to expiration	1.
Laboratories:	TestAmerica, BVPS Lab			This permit will expire on:	October 31, 2026	

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Prepared By:	James Harvey	License No.:	
Title:	Senior Nuclear Specialist	Date:	3/14/2022
			,

Daily Minimum (Conc.):
Daily Maximum (Conc):
Max Avg Weekly (Conc.):
Avg Monthly (Conc.):
Geometric Mean (Conc.):
Max Avg Weekly (Load):
Avg Monthly (Load):
Total Monthly (Load):

3800-FM-BCW0435 3/2012

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Muni	cipality:		pingport B	Borough	1	County:	Beaver	Permit No	0.:	Outfall:	108							
	ershed:	20-B						Renewal	application due 180									
Labo	ratories:	Test	America, E	BVPS L	ab			This perm	nit will expire on:	October 31, 2020	6							
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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 systems of those persons directly responsible for gathering the information, the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am owwer that there are a significant penalties for submitting false information, including the possibility of the and increasing the information in charge the property of the property of the person of the pers

Prepared By:	James Harvey	License No.	:
Title:	Senior Nuclear Specialist	Date:	3/14/2022



SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month:	2 (select number)	Year:	2022
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:		Outfall:	111
Watershed:	20-B			Renewal app	plication due 180 days	prior to expir	ation.
I aboratories:	TootAmerica BVPS Lab			This parmit	vill evnire on: Oc	tohor 24 2026	

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Prepared By:	James Harvey	License No.:	
Title:	Senior Nuclear Specialist	Date:	3/14/2022

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month: 2 (select number)	Year:	2022
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall:	211
Watershed:	20-B			Renewal application due 180	days prior to expire	ation.
I aboratorios:	ToetAmerica BVPS I ab			This permit will expire on:	October 31, 2026	

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Week Wide	
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Sun 2/27/22 Sun Sun 2/28/22 Sun Su	
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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 P.a. C.S. § 4904 (relating to unsworn falsification).

Prepared By:	James Harvey	License No.	
Title:	Senior Nuclear Specialist	Date:	3/14/2022

pennsylvania DEPARTMENT OF ENVIRONMENTA PROTECTION	ı.
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3890-FM-RCW0438 3/2012

Facility Name:	Beaver Valley Power Station			Month:	2 (select number)	Year:	2022
Municipality:	Shippingport Borough	County:	Beaver	Permit No	.:	Outfall:	403
Watershed:	20-B			Renewal a	application due 180 da	ys prior to expi	ration.
Laboratories:	TestAmerica, BVPS Lab			This perm	it will expire on:	October 31, 2026	5

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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 the and imprisonment for knowing violations. See 18 Pa. C.S. § 4004 (relating to unsworn fatalification).

Prepared By: James Harvey

License No.:

Prepared By:	James Harvey	License No.:	
Title:	Senior Nuclear Specialist	Date:	3/14/2022

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month: 2 (select number)	Year:	2022	
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall:	301	
Watershed:	20-B			Renewal application due 180 c	ays prior to exp	iration.	
aboratorios:	ToetAmerica BVDS I ab			This nermit will expire on:	October 31, 202	6	

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Prepared By:	James Harvey	License No	D.:	
Title:	Senior Nuclear Specialist	Date:	3/14/2022	



SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month:	2 (select number)	Year:	2022	
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:		Outfall:	303	
Watershed:	20-B			Renewal ap	plication due 180 day	s prior to exp	iration.	
I aboratories:	TestAmerica RVPS Lah		i	This permit	will expire on:	ctoher 31, 202	6	

Labo	oratories:	Test	America, B	VPS L	ab						This permit w	will expire on: October 31, 2025																	
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Prepared By:	James Harvey	License No.	
Title:	Senior Nuclear Specialist	Date:	3/14/2022



SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month: 2 (select number)	Year:	2022
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall:	313
Watershed:	20-B			Renewal application due 180	days prior to expir	ration.
Laboratories:	TestAmerica, BVPS Lab			This permit will expire on:	October 31, 2026	

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Prepared By:	James Harvey	License No.:	
Title:	Senior Nuclear Specialist	Date:	3/17/2022



3800-FM-BCW0435 3/2012

Facility Name:	
Municipality:	
Watershed:	

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Prepared By:	James Harvey	License No	0.:
Title:	Senior Nuclear Specialist	Date:	2/7/2022

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name:	Beaver Valley Power Station			Month: 2 (select number)	Year:	2022
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:	Outfall:	601
Watershed:	20-B			Renewal application due 180 c	lays prior to expi	iration.
Laboratories:	TestAmerica, BVPS Lab			This permit will expire on:	October 31, 2026	6

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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:	James Harvey	License No.	.:
Title:	Senior Nuclear Specialist	Date:	3/14/2022



3800-FM-BCW0435 3/2012

Facility Name:	Beaver Valley Power Station			Month: 2	(select number)	Year:	2022
Municipality:	Shippingport Borough	County:	Beaver	Permit No.:		Outfall:	701
Watershed:	20-B			Renewal appli	cation due 180 da	ys prior to exp	iration.
Laboratories:	TestAmerica BVPS Lab			This permit will	expire on:	October 31, 202	6

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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. Besed 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 ewere that there are significant penalties for submitting false information, including the possibility of fire and imprecionment for horison (seldindons, See 18 P.A. C.S. § 400C); reliefsing to unsworn fastification.

Prepared By:	James Harvey	License N	0.:	
Title:	Senior Nuclear Specialist	Date:	3/14/2022	

ENCLOSURE E



SUPPLEMENTAL REPORT - COOLING WATER INTAKE MONITORING

Facility Name:	
Municipality:	

Watershed:

Beaver Valley Power Station - Unit 1

Shippingport Borough

20-B 20-D

County: Beaver

Month: February

Year:

2022

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					2.7			
2		ì			2.72			
3					2.62			
4			- 1		* -	· Not obtained .	unsafe weath	er conditions
5					**			
6					2.89			
7			1		2.82			
8			,		1.69			
9					1.82			
10					2.25			
11			3		2.68			
12					2.22			
13					2.57			
14					1.62			
15					1.45			
16					1.48			
17					1.7			
18					1.65			
19					1.65			
20					1.25			
21					1.5			
22					1.38			
23					1.26			
24					1.69			
25					2.9			
26					2.98			
27					2.48			
28					1.92			
29		1						
30								
31								
Average		1	1		2.1			
Maximum					3.0			

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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:	Jai	mes	Har	vey
	177				

Senior Nuclear Specialist Title:

License No.:

Date:

3/21/2022

October 31, 2026



SUPPLEMENTAL REPORT - COOLING WATER INTAKE MONITORING

This permit will expire on:

Facility Name:	Beaver Valley Power Station - Unit 2			Month: February	Year:	2022
Municipality:	Shippingport Borough	County:	Beaver	NPDES Permit No.: PA0025615		
Watershed:	20-B 20-D			Renewal application due 180 days prior to	expiration.	

	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	i		1.76			
2					1.94			
3					1.87			
4					* -	Not obtained -	unsafe weather	conditions
5	· ·		i		* /			
6					1.83			
7			0		1.74			
8					2.02			
9					2.06			
10					1.9			
11					1.85			
12					1.93			
13					1.83			
14					1.72			
15					1.58			
16					1.65			
17					1.9			
18					1.86			
19					1.8			
20					1.36			
21					1.69			
22					1.45			
23					1.79			
24					1.53			
25					2.54			
26					2.01			
27			. !		1.81			
28					1.4			
29								
30			1					
31								
Average					1.8			
Maximum					2.5			

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By	James Harvey	License No.:	
Title:	Senior Nuclear Specialist	Date:	3/21/2022