It 25



July 22, 2021 L-21-193

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.</u> PA0025615

Enclosed is the June 2021 NPDES Discharge Monitoring Report (DMR) in accordance with the requirement set forth in the site NPDES permit. Attachment 1 to this letter is supplemental monitoring data for Outfall 001 (dissolved oxygen).

A review of the data indicates no permit parameters were exceeded during the month, however the required sampling frequency at Outfall 001 was not met. BVPS NPDES Permit (PA0025615) requires continuous, measured flow at Outfall 001. Outfall 001 flowmeter equipment malfunction occurred on September 8, 2020 resulting in no available flow data for the months of September 2020 through June 2021. An internal notification was generated for equipment repair and repairs are in progress. Two non-compliance reports were automatically generated in eDMR.

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

Sincerely,

Matthew // Enos

General Plant Manager

Beaver Valley Power Station, Unit Nos. 1 and 2 L-21-193 Page 2

Attachment(s):

1. Weekly Dissolved Oxygen Monitoring Results at Outfall 001

Enclosure(s):

A. Monthly Discharge Monitoring Report

CC: Document Control Desk US NRC (NOTE: No new US NRC commitments are contained in this letter.)
US Environmental Protection Agency
Ms. Amanda Schmidt, PA DEP/Bureau of Water Quality Management

Discharge Monitoring Report Attachment for NPDES Permit No. PA0025615 Beaver Valley Power Station June 2021

ATTACHMENT 1

Weekly Dissolved Oxygen Monitoring Results at Outfall 001

The following supplemental dissolved oxygen monitoring data for Outfall 001 is provided as agreed.

SAMPLE DATE	SAMPLE TIME	VALUE	UNITS
06/06/2021	09:00 AM	7.00	mg/L
06/13/2021	08:22 AM	7.00	mg/L
06/20/2021	10:48 AM	7.00	mg/L
06/27/2021	08:21 AM	7.00	mg/L

- Attachment 1 END -

ENCLOSURE A



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME:

: EN

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

ADDRESS: FACILITY:

FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION:

PA ROUTE 168, SHIPPINGPORT PA, 15077

STAGE:

Final Effluent

PA0025615 PERMIT NUMBER

06 01

YEAR MO

FROM 2021

001 OUTFALL NUMBER Reporting Frequency: DMR Effective From: DMR Effective To: Monthly 06/01/2021 06/30/2021

MONITORING PERIOD

10 DAY YEAR

YEAR MO DAY
TO 2021 06 30

Permit Expires:
Permit Application Due:
No Discharge:

12/27/2006	
06/30/2006	

PARAMETER		QUA	NTITY OR LOAD	DING	Q	UANTITY OR C	ONCENTRATION	d	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING ITPE
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	***	***	7,0	mg/L	1/week	Grab
	Permit Requirement	200	***		***	***	Monitor & Report IMAX		Monitor & Report	Monitor & Report
pH (00400)	Sample Measurement	***	***	***	8.2	***	8,5	S.U.	1/waak	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
Clamtrol CT-1 (04251)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	**	***		***	.034 Avg Mo	.034 Daily Max		See Permit	24-Hr Composite
Flow (50050)	Sample Measurement	E	E	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	**	**		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement		***	***	***	< .02	< .02	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.25 IMAX		1/week	Grab
Nalco H150M (51698)	Sample Measurement	***	***	***	< .034	***	< .034	mg/L	See Permit	24-Hr Composite
	Permit Requirement	***	•		Monitor & Report Avg Mo	600	Monitor & Report Daily Max		Monitor & Report	Monitor & Report
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	< .02	< .02	mg/L	Continuous	Recorded
	Permit Requirement	***	***		***	.2 Avg Mo	.5 Daily Max		Continuous	Recorded
Hydrazine (81313)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
rijoraziro (o t = ,	Permit Requirement	***	***		***	.007 Avg Mo	,007 Daily Max		1/week	Grab
Facility Sampling Point Comments							1			



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	315	1		002		Reporting Frequency:	Monthly	
	PERI	UN TIN	MBER	1	OUTF	ALL NU	MBER	DMR Effective From:	06/01/2021	
				J				DMR Effective To:	06/30/2021	
			MONITO	ORING	PERIOD			Permit Expires:	12/27/2006	
			T	T	T		T=	Permit Application Due:	06/30/2006	
	YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:		
ROM	2021	06	01	то	2021	06	30			

PARAMETER		QUA	NTITY OR LOAD	ING	Q	UANTITY OR CO	SAMPLING FREQUENCY	SAMPLING TYPE		
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING ITPE
Flow (50050)	Sample Measurement	.006	.046	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Dally Max		***	***	***		1/wook	Estimate
Facility Sampling Point Comments				Company of the Compan						



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	15			003		Reporting Frequency:	Monthly	
	PER	MIT NUI	MBER	1	OUTF	ALL NU	MBER	DMR Effective From:	06/01/2021	
				J				DMR Effective To:	06/30/2021	
			MONITO	DRING	PERIOD			Permit Expires:	12/27/2006	
	PA0025615 PERMIT NUMBER MONITO YEAR MO DAY 2021 06 01		Permit Application Due:	06/30/2006						
	YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:		
FROM	2021	06	01	то	2021	06	30			

PARAMETER		QUA	NTITY OR LOAD	DING	Q	UANTITY OR C	ONCENTRATION	1	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	Sample Measurement	.159	.310	MGD	***	***	***	***	2/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Facility Sampling Point Comments						<u> </u>				



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
STACE.	Final Efficient

	P	A0025	515	1		004		Reporting Frequency:	Monthly	
	PER	MIT NU	MBER	1	OUTF	ALL NU	MBER	DMR Effective From:	06/01/2021	
				_				DMR Effective To:	06/30/2021	
			MONITO	ORING	PERIOD			Permit Expires:	12/27/2006	
			T	T	T		T	Permit Application Due:	06/30/2006	
	YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:		
M	2021	06	01	то	2021	06	30			

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
pH (00400)	Sample Measurement	***	***	***	8.21	***	8.21	8.U.	1/week	Grab
	Permit Requirement	***	***		6,0 Inst Min	***	9.0 IMAX		1/week	Grab
Flow (50050)	Sample Measurement	.48	1.93	MGD	***	***	***	***	1/week	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Dally Max		***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.08	.08	mg/L	1/week	Grab
	Permit Requirement	***	***		**	.5 Avg Mo	1.25 IMAX		1/week	Grab
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	.05	.05	mg/L	1/week	Grab
Free Available Chlorine (50064)	Permit Requirement	***	***		***	.2 Avg Mo	.5 Dally Max		1/week	Grab
Facility Sampling Point Comments			l							



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 Efficient

	PERI	MIT NU	MBER	1	OUTF	ALL NL	MBER	DMR Effective From:	06/01/2021	
				J				DMR Effective To:	06/30/2021	
			MONITO	ORING	PERIOD			Permit Expires:	12/27/2006	
							T	Permit Application Due:	06/30/2006	
	YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	П	
Α	2021	06	01	то	2021	06	30			

Reporting Frequency:

Monthly

PARAMETER		QUA	NTITY OR LOAD	DING	Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	Sample Measurement	.002	.016	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Dally Max		***	***	***		1/week	Estimate
Facility Sampling Point Comments		-								



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

ENERGY HARBOR NUCLEAR CORP
168 E MARKET ST, AKRON OH, 44308-2014
FIRSTENERGY BEAVER VALLEY POWER STATION 1
PA ROUTE 168, SHIPPINGPORT PA, 15077

		-	MONITO	ORING	PERIOD		
	YEAR	МО	DAY		YEAR	МО	T
244	2024	06	01	TO	2024	ne	+

007

PA0025615

PERMIT NUMBER

OUTF	ALL NU	MBER	DMR Effective From:	06/01/2021	
			DMR Effective To:	06/30/2021	
PERIOD			Permit Expires:	12/27/2006	
		1	Permit Application Due:	06/30/2006	
YEAR	МО	DAY	No Discharge:		
2024	06	30			

Monthly

Reporting Frequency:

PARAMETERS REPORTED VALUES

Final Effluent

STAGE:

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	
pH (00400)	Sample Measurement	***	***	***	***	000	***	8.U.		
	Permit Requirement		***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	.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		4					-			



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

A ROUTE 16	8, SHIPPING	PORT PA, 15077	
inal Effluent			

PA0025615
PERMIT NUMBER

06 01 TO

YEAR MO

FROM 2021

008
OUTFALL NUMBER

06 30

Reporting Frequency: DMR Effective From: DMR Effective To: Monthly 06/01/2021 06/30/2021

Permit Expires:
Permit Application Due
No Discharge:

12/27/2006 06/30/2006

PARAMETERS REPORTED VALUES

STAGE:

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	***	***	***	***	***	***	8.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 Avg Mo	20 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							-		decinate and the second control of the secon	

MONITORING PERIOD

YEAR MO DAY

2021

DAY



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

P	A0025	815			010		Reporting Frequency:	Monthly			
PER	MIT NU	MBER	1	OUTF	ALL NL	MBER	DMR Effective From:	06/01/2021			
			_				DMR Effective To:	06/30/2021			
		MONIT	ORING	PERIOD	NOD		RIOD Permit Expires:		Permit Expires:	12/27/2006	
	T	Τ	Ι	T	T	T	Permit Application Due:	06/30/2006			
YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	П			
2024	00	04	70	2024	00	20					

PARAMETERS REPORTED VALUES

Final Effluent

STAGE:

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 PREGDENCY	SAMPLING ITP
pH (00400)	Sample Measurement	***	***	***	7.5	***	7.9	8.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Clamtrol CT-1 (04251)	Sample Measurement	***	•••	***	***	GG	GG	mg/L		
	Permit Requirement	200	***		***	.034 Avg Mo	.034 Daily Max		Daily when Discharging	24-Hr Composite
Flow (50050)	Sample Measurement	3.4	4.3	MGD	***	***	***	***	1/week	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Dally Max		***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.07	.11	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.25 IMAX		1/week	Grab
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	.05	.1	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.2 Avg Mo	,5 Daily Max		1/wook	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	815			011		Reporting Frequency:	Monthly	
	PERM	UN TIN	MBER	1	OUTF	ALL NL	IMBER	DMR Effective From:	06/01/2021	
				J				DMR Effective To:	06/30/2021	
			MONITO	ITORING PERIOD		Permit Expires:	12/27/2006			
			T	Т	1		T	Permit Application Due:	06/30/2006	
	YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:		
ROM	2021	06	01	то	O 2021 06 30		30			

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 PREGUENCT	SAMPLING TIPE
Flow (50050)	Sample Measurement	.004	.004	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	100	***		1/week	Estimate
Facility Sampling Point Comments						X				



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

NAME:	ENERGY HARBOR NUCLEAR CORP		A0025	815			012		Reporting Frequency:	Monthly
ADDRESS:	168 E MARKET ST, AKRON OH, 44308-2014	PER	MIT NU	MBER	1	OUTF	ALL NU	MBER	DMR Effective From:	06/01/2021
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1				J				DMR Effective To:	06/30/2021
LOCATION:	PA ROUTE 168, SHIPPINGPORT PA, 15077			MONITO	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent	-				1			Permit Application Due:	06/30/2006
		YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	
	FROM	2021	06	01	то	2021	06	30		

PARAMETER		QUA	NTITY OR LOAD	ING		QUANTITY OR C	ONCENTRATION	٧	SAMPLING FREQUENCY SAMPLING TYPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREGUENCY	SAMPLING TYPE
pH (00400)	Sample Measurement	***	***	***	7.6	***	7.6	S.U.	1/month	Grab
	Permit Requirement	**	***		6,0 Inst Min	100	9.0 IMAX		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.087	.094	mg/L	2/month	Grab
	Permit Requirement	100	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.17	.28	mg/L	2/month	Grab
	Permit Requirement		**		***	1.5 Avg Mo	1.5 Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	.001	.001	MGD	***	***	***	***	1/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/month	Estimate
Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	860	930	mg/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)

			_			1		-		1	
NAME:	ENERGY HARBOR NUCLEAR CORP		P	A00256	15			013		Reporting Frequency:	Monthly
ADDRESS:	168 E MARKET ST, AKRON OH, 44308-2014		PERM	UIT NUI	MBER	1	OUTF	ALL NU	MBER	DMR Effective From:	06/01/2021
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					J				DMR Effective To:	06/30/2021
LOCATION:	PA ROUTE 168, SHIPPINGPORT PA, 15077				MONITO	RING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent									Permit Application Due:	06/30/2006
			YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	
		FROM	2021	06	01	то	2021	06	30	1 (100 to 100 to	

PARAMETER		QUA	QUANTITY OR LOADING			QUANTITY OR C	ONCENTRATIO	٧	SAMPLING FREQUENCY SAMPLING TYPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING ITPE
pH (00400)	Sample Measurement	***	***	***	7.3	***	7.5	8.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Cyanide, Total (00720)	Sample Measurement	***	***	***		< .01	< .01	mg/L	2/month	24-Hr Composite
	Permit Requirement	200	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Chlorobenzene (34301)	Sample Measurement	***	***	***	***	< .001	<.001	mg/L	2/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	< .025	< .025	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	.002	.002	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)

		-	
NA	M.	⊏:	

ENERGY HARBOR NUCLEAR CORP

ADDRESS:

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

FACILITY: LOCATION:

PA ROUTE 168, SHIPPINGPORT PA, 15077

STAGE:

Final Effluent

PA0025615
PERMIT NUMBER

101 OUTFALL NUMBER Reporting Frequency: DMR Effective From: DMR Effective To: Monthly 06/01/2021 06/30/2021

MONITORING PERIOD Permit Expires:

Permit Application Due:

12/27/2006 06/30/2006

YEAR MO FROM 2021 06 DAY TO

TO 2021 06 30

No Discharge:

PARAMETER		QUA	NTITY OR LOAD	ING	QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	CAMPI INC TOTAL
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING TYPE
pH (00400)	Sample Measurement	***	***	***	***	860	***	S.U.		
	Permit Requirement	***			6.0 Inst Min		9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	400	800		***	30.0 Avg Mo	100.0 Daily Max		1/week	Composite
Off and Grease (00556)	Sample Measurement		***	***		***	***	mg/L		
	Permit Requirement	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	***	400	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Greb
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	**	***		Continuous	Measured
Hydrazine (81313)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Facility Sampling Point Comments		A					-			



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

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

P	A0025	815			102		Reporting Frequency:	Monthly	
PERMIT NUMBER		OUTFALL NUMBER			DMR Effective From:	06/01/2021			
			J				DMR Effective To:	06/30/2021	
	MONITORING PERIOD						Permit Expires:	12/27/2006	
-					T	1	Permit Application Due:	06/30/2006	
YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:		
2024	06	04	TO	2024	0.0	20			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING TIPE
pH (00400)	Sample Measurement	***		***	7.5	**	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	***	***	***	***	19.4	28.2	mg/L	2/month	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Delly Max		2/month	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 3.9	< 4.0	mg/L	2/month	Grab
	Permit Requirement	***	***		***	15 Avg Mo	20 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		·	h							



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,	1
STAGE:	Final Effluent	

PA0025615
PERMIT NUMBER

06 01 TO

YEAR MO DAY

FROM 2021

103 OUTFALL NUMBER

MO DAY

06 30

Reporting Frequency; DMR Effective From: DMR Effective To: Permit Expires: Monthly
06/01/2021
06/30/2021
12/27/2006

Permit Application Due:	06/30/2
No Discharge:	

06/30/2006	 	 	
_			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	CAMPI INC TOTAL
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING TYPE
рН (00400)	Sample Measurement	***	***	***	7.6	***	7.7	S.U.	2/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	4.5	5.0	mg/L	2/month	24-Hr Composite
	Permit Requirement	***	249		***	30.0 Avg Mo	100,0 Daily Max		2/month	24-Hr Composite
Flow (50050)	Sample Measurement	.107	.128	MGD		***	***	***	2/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	**			2/month	Estimate
Facility Sampling Point Comments										

MONITORING PERIOD

YEAR

2021



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

111

OUTFALL NUMBER

DAY 30

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				
ROM	2021	06	01	то	2021	06				

PA0025615

PERMIT NUMBER

Reporting Frequency:	Monthly
DMR Effective From:	06/01/2021
DMR Effective To:	06/30/2021
Permit Expires:	12/27/2006
Permit Application Due:	06/30/2006
No Discharge:	0

PARAMETER		QUANTITY OR LOADING			Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING ITPE
pH (00400)	Sample Measurement	***	***	***	7.5	***	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	***	***	***	***	< 4.0	4.0	mg/L	1/week	Grab
	Permit Requirement	***	***		**	30,0 Avg Mo	100,0 Dally Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 4,4	< 5.1	mg/L	1/week	Grab
	Permit Requirement	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Flow (50050)	Sample Measurement	.002	.002	MGD	***	***	m	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Dally Max		***				1/week	Estimate
Facility Sampling Point Comments		-								



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME: ADDRESS: **ENERGY HARBOR NUCLEAR CORP** 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

> 06 01 TO

YEAR MO DAY

2021

FROM

113 OUTFALL NUMBER

> 06 30

DAY

Reporting Frequency: DMR Effective From:

Monthly 06/01/2021

DMR Effective To:

06/30/2021 12/27/2006

Permit Expires: Permit Application Due:

No Discharge:

 	 	 -

PARAMETERS REPORTED VALUES

PARAMETER		QU	ANTITY OR LOAD	ING	Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING ITPE
pH (00400)	Sample Measurement	***	***	***	***	***	***	B.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	60.0 Delly Max		2/month	8-Hr Composite
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	.043 Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	1.4 Avg Mo	3.3 IMAX		2/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	***	***	No./100 ml		
(May-Sep)	Permit Requirement	***	***		***	200 Geo Mean	***		2/month	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Messurement	***	***	•••	***	***	***	mg/L		
	Permit Requirement				ýr – ***	25.0 Avg Mo	50.0 Daily Max		2/month	8-Hr Composite
Facility Sampling Point Comments										

MONITORING PERIOD

YEAR MO

2021



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

> 06 01 TO 2021

DAY

YEAR MO

FROM 2021

203 OUTFALL NUMBER

> 06 30

YEAR MO DAY Reporting Frequency: DMR Effective From: DMR Effective To:

Monthly 06/01/2021 06/30/2021

Permit Expires: MONITORING PERIOD

Permit Application Due: No Discharge:

12/27/2006 06/30/2006 \mathbf{G}

PARAMETER		QU	ANTITY OR LOAD	ING	Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING ITPE
pH (00400)	Sample Measurement	***	***	***	***	***	941	S.U.		
	Permit Requirement	***	1 . · · · · · · · ·		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	244	**************************************		***	30.0 Avg Mo	60.0 Dally Max		2/month	8-Hr Composite
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	.023 Avg Mo	Monitor & Report Daily Max			***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	424	***	***	mg/L		
	Permit Requirement	***	ese		440	1.4 Avg Mo	3.3 IMAX		2/month	Grab
Fecal Cotiform (74055)	Sample Measurement	•••		***	***	•••	***	No./100 ml		
(May-Sep)	Permit Requirement	684	***		200	200 Geo Mean			2/month	Grab
arbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	**		***	25.0 Avg Mo	50.0 Daily Max		2/month	8-Hr Composite
Facility Sampling Point Comments					Accession to the second					



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	315		211			Reporting Frequency:	Monthly			
	PERI	PERMIT NUMBER		OUTF	ALL NU	MBER	DMR Effective From:	06/01/2021				
				7				DMR Effective To:	06/30/2021			
			MONITO	ORING	PERIOD			Permit Expires:	12/27/2006			
		T	T		T	T	T	Permit Application Due:	06/30/2006			
	YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:				
И	2021	06	01	то	2021	06	30					

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 PREQUENCY	SAMPLING TIPE
pH (00400)	Sample Measurement	***	***	***	7.3	***	7.8	8.U.	1/week	Grab
	Permit Requirement	***	•••		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 6.4	12.6	mg/L	1/week	Grab
	Permit Requirement	***	**		**	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 4,4	< 5.1	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						L			the same of the sa	



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

ENERGY HARBOR NUCLEAR CORP

ADDRESS:

168 E MARKET ST, AKRON OH, 44308-2014

FACILITY: LOCATION:

PA ROUTE 168, SHIPPINGPORT PA, 15077

FIRSTENERGY BEAVER VALLEY POWER STATION 1

STAGE:

PA0025615 PERMIT NUMBER

06 01 TO

YEAR MO DAY

FROM 2021

213 OUTFALL NUMBER

06 30

YEAR MO DAY

2021

Reporting Frequency: DMR Effective From: DMR Effective To: Monthly 06/01/2021 06/30/2021

MONITORING PERIOD Permit Expires:

Permit Application Due:
No Discharge:

12/27/2006 06/30/2006

Final Effluent

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 PREQUENCY	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
Oll and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	**	**		***	15 Avg Mo	20 Daily Max		2/month	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		"		***	.5 Avg Mo	1.25 IMAX		2/month	Grab
Facility Sampling Point Comments					L	L				



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

DISCHARGE MONITORING REPORT (DN

NAME:

ADDRESS:

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

PA ROUTE 168, SHIPPINGPORT PA, 15077

FACILITY:

FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION: STAGE:

Final Effluent

PA0025615 PERMIT NUMBER

MO YEAR

> 06 01 TO 2021

FROM 2021

301 OUTFALL NUMBER

Reporting Frequency: **DMR Effective From:** DMR Effective To:

Monthly 06/01/2021 06/30/2021

Permit Expires: MONITORING PERIOD Permit Application Due: DAY YEAR MO DAY

> 06 30

No Discharge:

12/27/2006 06/30/2006 V

PARAMETER		QUANTITY OR LOADING			Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	CAMPI ING TVD
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING TYPE
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 Avg Mo	20 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		-	<u> </u>							



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

ENERGY HARBOR NUCLEAR CORP

168 E MARKET ST, AKRON OH, 44308-2014

ADDRESS: FACILITY:

FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION: STAGE:

PA ROUTE 168, SHIPPINGPORT PA, 15077 **Final Effluent**

PA0025615 PERMIT NUMBER

> 06 01 TO

YEAR MO

FROM 2021

303 OUTFALL NUMBER Reporting Frequency: **DMR Effective From:**

Permit Expires:

Monthly 06/01/2021

DMR Effective To: 06/30/2021

12/27/2006 06/30/2006

Permit Application Due: No Discharge:

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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 PREQUENCY	
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	***	•••		6,0 Inst Min	***	9.0 IMAX		1/wook	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 Avg Mo	20 Daily Max		1/week	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Dally Max		***	***	***		1/week	Estimate
Facility Sampling Point Comments										

MONITORING PERIOD

DAY

YEAR MO DAY

2021 06 30



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME:	ENERGY HARBOR NUCLEAR CORP		P	A00256	15			313		Reporting Frequency:	Monthly
ADDRESS:	168 E MARKET ST, AKRON OH, 44308-2014		PERM	AUN TIN	ABER	1	OUTF	ALL NU	MBER	DMR Effective From:	06/01/2021
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					J				DMR Effective To:	06/30/2021
LOCATION:	PA ROUTE 168, SHIPPINGPORT PA, 15077				MONITO	DRING F	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent									Permit Application Due:	06/30/2006
			YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:	
		EDOM	2024	06	01	TO	2024	06	20		

PARAMETER		QUA	NTITY OR LOAD	ING	Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER				VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING ITPE	
pH (00400)	Sample Measurement	***	***	***	7.3	***	7.5	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 5.2	7,4	mg/L	1/week	Grab
	Permit Requirement	240	***		***	30.0 Avg Mo	100,0 Daily Max		1/week	Grab
Oil and Gresse (00556)	Sample Measurement	***	***	***	***	< 4.4	< 5.2	mg/L	1/week	Grab
	Permit Requirement	***	**		***	15 Avg Mo	20 Daily Max		1/wook	Grab
Flow (50050)	Sample Measurement	.002	.002	MGD	***	***	***	***	1/waek	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Sampling Point Comments									A	



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

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

P	A0025	815	1		401		Reporting Frequency:	Monthly	
PER	MIT NU	MBER	1	OUTF	ALL N	IMBER	DMR Effective From:	06/01/2021	
			J				DMR Effective To:	06/30/2021	
	MONITORING PERIOD						Permit Expires:	12/27/2006	
			Permit Application Due:	06/30/2006					
YEAR	МО	DAY		YEAR	МО	DAY	No Discharge:		
2024	06	01	TO.	2024	06	30			

PARAMETER		QUA	NTITY OR LOAD	ING	Q	UANTITY OR	CONCENTRATION	V	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.3	***	7.8	S.U.	2/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	Monitor & Report IMAX		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	***	***	***	***	< 4.0	< 4.2	mg/L	2/month	Grab
	Permit Requirement	***	***		***	15 Avg Mo	20 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	Estimata
Facility Sampling Point Comments		d	I		d	h				



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	315			403		Reporting Frequency:	Monthly	
PER	UIT NU	MBER	1	OUTF	ALL NL	IMBER	DMR Effective From:	DMR Effective From: 06/01/2021	
			J				DMR Effective To:	06/30/2021	
MONITORING PERIOD							Permit Expires:	12/27/2006	
							Permit Application Due:	06/30/2006	
AR	МО	DAY		YEAR	МО	DAY	No Discharge:		
204	0.0	04	1 70	2024	0.0	20			

VALUE	**************************************	···	7.9 6.0 Inel Min	14.0 20.0 Avg Mo < 4.2 15 Avg Mo GG Monitor & Report	7.9 9.0 9.0 9.0 14.0 100.0 100.0 Daily Max < 4.2 20 Daily Max GG Monitor & Report	MNITS 6.U. mg/L mg/L	SAMPLING FREQUENCY 1/week 1/week 1/week 1/week 1/week	Grab Grab Grab Grab Grab Grab Grab Grab
200 200 200 200 200 200 200		ess	6.0 Inst Min	14.0 20.0 Avg Mo < 4.2 15 Avg Mo GG	9.0 IMAX 14.0 100.0 Daily Mex < 4.2 20 Daily Mex GG	mg/L mg/L	1/week 1/week 1/week 1/week	Grab Grab Grab Grab
***	***	***	Inet Min	14.0 20.0 Avg Mo < 4.2 15 Avg Mo GG Monitor & Report	14.0 100.0 Daily Max < 4.2 20 Daily Max GG	mg/L	1/week 1/week 1/week	Grab Grab Grab
000	***	***	000 000	30.0 Avg Mo < 4.2 15 Avg Mo GG Monitor & Report	100.0 Daily Max < 4.2 20 Daily Max GG	mg/L	1/week 1/week 1/week	Grab Grab
***	***		***	4.2 15 Avg Mo GG Monitor & Report	< 4.2 20 Daily Max GG		1/week 1/week	Grab
***	070 000			15 Avg Mo GG Monitor & Report	20 Daily Max GG		1/week	
***	***	***		Avg Mo GG Monitor & Report	Delly Max GG	mg/L		Grab
***	***	***		Monitor & Report		mg/L		
			***		Manitor & Banari			
***			1	Avg Mo	Daily Max		1/week	Grab
1	***	***	***	GG	GG	mg/L		
***			***	.001 Avg Mo	.001 Daily Max		Daily when Discharging	24-Hr Composite
.045	.182	MGD	***	***	***	***	1/week	Estimate
Monitor & Report Avg Mo	Monitor & Report Daily Max		***				1/week	Estimate
***		***	***	.26	.26	mg/L	1/week	Grab
***			009	.5 Avg Mo	1.25 IMAX		1/week	Grab
***	***	***	***	GG	GG	mg/L		
	***		***	.001 Avg Mo	.001 Daily Mex		1/week	Grab
ıt	Avg Mo	Avg Mo Dafly Max	Avg Mo Dally Max	Avg Mo Dafly Max 1	Avg Mo Daily Max	Avg Mo Daily Max	Avg Mo Dally Max 4 ****	Avg Mo Daily Max 1



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DAY

YEAR MO

06 01 TO

FROM 2021

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	413	Reporting Frequency:	Monthly
PERMIT NUMBER	OUTFALL NUMBER	DMR Effective From:	06/01/2021
		DMR Effective To:	06/30/2021
MONITORII	NG PERIOD	Permit Expires:	12/27/2006

-		DMR Effective To:	06/30/2021
-		Permit Expires:	12/27/2006
-	244	Permit Application Due:	06/30/2006
	DAY	No Discharge:	
	30		

PARAMETERS REPORTED VALUES

PARAMETER		QUA	QUANTITY OR LOADING			UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING TIPE
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 Avg Mo	20 Daily Max		1/week	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		**	**	***		2/month	Estimate
Facility Sampling Point Comments										

YEAR MO

2021 06



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

Р	PA0025615		601 OUTFALL NUMBER			Reporting Frequency:	Monthly		
PERMIT NUMBER						DMR Effective From:	06/01/2021		
MONITORING PERIOD							DMR Effective To:	06/30/2021	
							Permit Expires:	12/27/2006	
						T	Permit Application Due:	06/30/2006	
EAR	МО	DAY		YEAR	МО	DAY	No Discharge:		

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
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement				•••	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Dally Max		•••	***	***		1/week	Estimate
Facility Sampling Point Comments			liane and the same and						L	

TO 2021 06

FROM 2021 06



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

File Name			Attachment Type					Uploaded Th	me	Attachment Comments			
Cover Letter June 21 DMRs.pdf			Cover Letter					2021-07-26T07:16:04-04:00				1	
PERMIT VIOLATIONS													
							_						and .
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	Event Location	Volume (ast)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified	Comments
				Discharged							Orally	

- 41/4

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
141834	Use of NODI Code E or FF	Final Effluent (001)	Flow	E	Monitor & Report	BVPS NPDES Permit (PA0025515) requires continuous, measured flow. Outfall 001 The Outfall 001 flowmeter was in service through September 7, 2020 Flowmeter easing september 7, 2020 Flowmeter easing september 8, 2020 resulting in on swalable flow data for the remainder of September 2020 through June 2021. Internal notification was generated for equipment repair and repairs are in progress.
141835	Use of NODI Code E or FF	Final Effluent (001)	Flow	Е	Monitor & Report	BIVPS NPDES Permit (PA0025615) requires continuous, measured flow Outfall 001. The Cuttled 1001 The Cuttled through September 7, 2020. Flowmeter equipment matruction occurred on September 8, 2020 resulting in no available flow data for the remainder of September 2020 through June 2021. Internal notification was generated for equipment repair and repairs are in progress.

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER		Matthew Enos	TELEPHO	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 submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the	M31110W 21100	(724)	682-7773	2021	07	26	
enosmj	information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	МО	DAY	