



Beaver Valley Power Station
Route 168
P.O. Box 4
Shippingport, PA 15077-0004

July 22, 2021
L-21-193

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

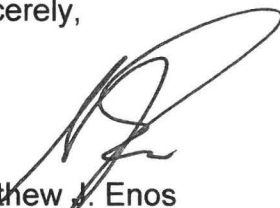
SUBJECT:
Beaver Valley Power Station Discharge Monitoring Report (NPDES) Permit No. PA0025615

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 J. Enos
General Plant Manager

IE25
NRR

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

PA0025615
 PERMIT NUMBER

001
 OUTFALL NUMBER

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM 2021	06	01	TO 2021	06	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	***	***	7.0	mg/L	1/week	Grab
	Permit Requirement	***	***	***	***	***	Monitor & Report IMAx	***	Monitor & Report	Monitor & Report
pH (00400)	Sample Measurement	***	***	***	8.2	***	8.5	S.U.	1/week	Grab
	Permit Requirement	***	***	***	6.0 Inst Min	***	9.0 IMAx	***	1/week	Grab
Ammonia-Nitrogen (00510)	Sample Measurement	***	***	***	***	GG	GG	mg/L	1/week	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	1/week	Grab
Clamrol CT-1 (04251)	Sample Measurement	***	***	***	***	GG	GG	mg/L	See Permit	24-Hr Composite
	Permit Requirement	***	***	***	***	.034 Avg Mo	.034 Daily Max	***	See Permit	24-Hr Composite
Flow (50050)	Sample Measurement	E	E	MGD	***	***	***	***	Continuous	Measured
	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	***	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	1/week	Grab
	Permit Requirement	***	***	***	***	.007 Avg Mo	.007 Daily Max	***	1/week	Grab
Facility Sampling Point Comments										



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

PA0025615
 PERMIT NUMBER

002
 OUTFALL NUMBER

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

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	06	01	TO	2021	06	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50060)	Sample Measurement	.006	.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
 ADDRESS: 168 E MARKET ST, AKRON OH, 44308-2014
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 166, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615
 PERMIT NUMBER

003
 OUTFALL 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: ☐

MONITORING PERIOD									
YEAR	MO	DAY		YEAR	MO	DAY			
FROM	2021	06	01	TO	2021	06	30		

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	Sample Measurement	.159	.310	MGD	***	***	***	***	2/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***	***	2/month	Estimate
Facility Sampling Point Comments										



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

PA0025615
 PERMIT NUMBER

004
 OUTFALL NUMBER

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

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
2021	06	01	2021	06	30

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	8.21	***	8.21	6.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 Daily 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
	Permit Requirement	***	***	***	***	.2 Avg Mo	.5 Daily Max	***	1/week	Grab
Facility Sampling Point Comments										



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

PA0025615
 PERMIT NUMBER

006
 OUTFALL 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: ☐

MONITORING PERIOD									
YEAR	MO	DAY		YEAR	MO	DAY			
2021	06	01	FROM	2021	06	30	TO		

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	Sample Measurement	.002	.016	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Sampling Point Comments										



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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	007
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2021	06	01	FROM	2021	06	30	TO

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: ☒

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX			
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***			
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.25 IMAX			
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.2 Avg Mo	.5 Daily Max			
Facility Sampling Point Comments										



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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

008
OUTFALL 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: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2021	06	01	FROM	2021	06	30	TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		2/month	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	15 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										



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

PA0025615
 PERMIT NUMBER

010
 OUTFALL NUMBER

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2021	06	01	TO	2021	06	30	

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: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.5	***	7.9	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Ciambol CT-1 (04251)	Sample Measurement	***	***	***	***	GG	GG	mg/L	Daily when Discharging	24-Hr Composite
	Permit Requirement	***	***		***	.034 Avg Mo	.034 Daily Max			
Flow (50050)	Sample Measurement	3.4	4.3	MGD	***	***	***	***	1/week	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily 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/week	Grab
Facility Sampling Point Comments										



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

PA0025615	011
PERMIT NUMBER	OUTFALL 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: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2021	06	01	FROM	2021	06	30	TO

PARAMETERS REPORTED VALUES

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



**COMMONWEALTH OF PENNSYLVANIA
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BUREAU OF CLEAN WATER
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 ADDRESS: 168 E MARKET ST, AKRON OH, 44308-2014
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615
 PERMIT NUMBER

012
 OUTFALL 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: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2021	06	01	TO	2021	06	30	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.6	***	7.6	S.U.	1/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.067	.064	mg/L	2/month	Grab
	Permit Requirement	***	***		***	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	***	***		***	1.6 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
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DISCHARGE MONITORING REPORT (DMR)

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

PA0025615	013
PERMIT NUMBER	OUTFALL NUMBER

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: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	06	01	TO	2021	06	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.3	***	7.5	S.U.	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	***	***		***	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)**

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	101
PERMIT NUMBER	OUTFALL 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: ☒

MONITORING PERIOD								
YEAR		MO	DAY		YEAR		MO	DAY
FROM	2021	06	01		TO	2021	06	30

PARAMETERS REPORTED VALUES

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



**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

102
 OUTFALL 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: ☐

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
2021	06	01	FROM	2021	06	30
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.5	***	7.8	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 Daily 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										



**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

103
 OUTFALL 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: ☐

MONITORING PERIOD											
YEAR	MO	DAY		YEAR	MO	DAY					
FROM 2021	06	01		TO 2021	06	30					

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.6	***	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	***	***		***	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										



**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

111
 OUTFALL 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: ☐

MONITORING PERIOD											
YEAR	MO	DAY		YEAR	MO	DAY					
FROM 2021	06	01	TO	2021	06	30					

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.5	***	8.0	8.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 4.0	4.0	mg/L	1/week	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 4.4	< 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										



**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	113
PERMIT NUMBER	OUTFALL 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: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2021	06	01	TO	2021	06	30	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	***	***		8.0 Inst Min	***	9.0 IMAX		2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	30.0 Avg Mo	60.0 Daily 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) (May-Sep)	Sample Measurement	***	***	***	***	***	***	No./100 ml		
	Permit Requirement	***	***		***	200 Geo Mean	***		2/month	Grab
Carbonaceous 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										



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

NAME: ENERGY HARBOR NUCLEAR CORP
 ADDRESS: 165 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

203
 OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2021	06	01		2021	06	30

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: ☒

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	6.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 Daily 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	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	1.4 Avg Mo	3.2 IMAX		2/month	Grab
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	***	***	No./100 ml		
	Permit Requirement	***	***		***	200 Geo Mean	***		2/month	Grab
Carbonaceous 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										



**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

211
 OUTFALL 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: ☐

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2021	06	01		2021	06	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.3	***	7.6	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										



**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**

PA0025815
 PERMIT NUMBER

213
 OUTFALL 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: ☒

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2021	06	01		2021	06	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.	2/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX			
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max			
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	15 Avg Mo	20 Daily Max			
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***			
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.25 IMAX			
Facility Sampling Point Comments										



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

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

PA0025615
 PERMIT NUMBER

301
 OUTFALL 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: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2021	06	01	TO	2021	06	30	

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max			
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	15 Avg Mo	20 Daily Max			
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***			
Facility Sampling Point Comments										



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

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

PA0025615
 PERMIT NUMBER

303
 OUTFALL 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: ☒

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
2021	06	01	TO	2021	06	30

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	***	***		6.0 Inst Min	***	8.0 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		***	***	***		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	313
PERMIT NUMBER	OUTFALL 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: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2021	06	01	TO	2021	06	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.3	***	7.5	S.U.	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	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 4.4	< 5.2	mg/L	1/week	Grab
	Permit Requirement	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Flow (50050)	Sample Measurement	.002	.002	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Sampling Point Comments										



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

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

PA0025615
 PERMIT NUMBER

401
 OUTFALL 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: ☐

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
2021	06	01		2021	06	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.3	***	7.8	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 (50060)	Sample Measurement	.001	.001	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Sampling Point Comments										



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

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

PA0025615
 PERMIT NUMBER

403
 OUTFALL 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: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	06	01	TO	2021	06	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.9	***	7.9	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inet Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	14.0	14.0	mg/L	1/week	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 4.2	< 4.2	mg/L	1/week	Grab
	Permit Requirement	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	GG	GG	mg/L	1/week	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max			
Clamrol CT-1 (04251)	Sample Measurement	***	***	***	***	GG	GG	mg/L	Daily when Discharging	24-Hr Composite
	Permit Requirement	***	***		***	.001 Avg Mo	.001 Daily Max			
Flow (50050)	Sample Measurement	.045	.162	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.26	.26	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.25 IMAX		1/week	Grab
Hydrazine (81313)	Sample Measurement	***	***	***	***	GG	GG	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.001 Avg Mo	.001 Daily Max			
Facility Sampling Point Comments										



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

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

PA0025615	413
PERMIT NUMBER	OUTFALL 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: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2021	06	01	TO	2021	06	30	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	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										



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 ADDRESS: 168 E MARKET ST, AKRON OH, 44308-2014
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 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615
 PERMIT NUMBER

501
 OUTFALL 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: ☒

MONITORING PERIOD								
YEAR	MO	DAY		YEAR	MO	DAY		
FROM 2021	06	01	TO	2021	06	30		

PARAMETERS REPORTED VALUES

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



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ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
Cover Letter June 21 DMRs.pdf	Cover Letter	2021-07-26T07:16:04-04:00	

PERMIT VIOLATIONS

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

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

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
141834	Use of NODI Code E or FF	Final Effluent (001)	Flow	E	Monitor & Report	BVPS NPDES Permit (PA0025615) requires continuous, measured flow at Outfall 001. The Outfall 001 flowmeter was in service through September 7, 2020. Flowmeter equipment malfunction 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.
141835	Use of NODI Code E or FF	Final Effluent (001)	Flow	E	Monitor & Report	BVPS NPDES Permit (PA0025615) requires continuous, measured flow at Outfall 001. The Outfall 001 flowmeter was in service through September 7, 2020. Flowmeter equipment malfunction 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
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SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER enosm]	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Matthew Enos	TELEPHONE		DATE		
			(724)	682-7773	2021	07	26
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY