



Beaver Valley Power Station
200 Shippingport Hill Rd.
P.O. Box 4
Shippingport, PA 15077-0004

September 20, 2021
L-21-237

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

SUBJECT:

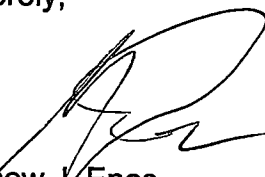
Beaver Valley Power Station Discharge Monitoring Report (NPDES) Permit No. PA0025615

Enclosed is the August 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 August 2021. Two non-compliance reports were automatically generated in eDMR. Flowmeter repairs for Outfall 001 have been completed and flow reporting for this outlet will resume with the September 2021 DMR submittal.

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-21-237
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

ENCLOSURE A

Discharge Monitoring Report Attachment for NPDES Permit No. PA0025615
Beaver Valley Power Station
August 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
08/01/2021	08:51 AM	7.00	mg/L
08/08/2021	07:30 AM	7.00	mg/L
08/15/2021	08:00 AM	7.00	mg/L
08/22/2021	10:00 AM	7.00	mg/L
08/29/2021	09:16 AM	8.00	mg/L

- Attachment 1 END -



**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	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2021
 DMR Effective To: 08/31/2021
 Permit Expires: 12/27/2006
 Permit Application Due: 08/30/2006
 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	***	***	***	8.3	***	8.8	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	1/week	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	1/week	Grab
Chlorine CT-1 (04251)	Sample Measurement	***	***	***	***	GG	GG	mg/L	See Permit	24-Hr Composition
	Permit Requirement	***	***	***	***	.034 Avg Mo	.034 Daily Max	***	1/week	Grab
Flow (50050)	Sample Measurement	E	E	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***	***	1/week	Grab
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	< .05	.10	mg/L	1/week	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.25 IMAX	***	Continuous	Recorded
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	< .05	.50	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	On 8/4/2021 Outfall 001 Chlorine analyzer recorded a value of 0.50 mg/L. The analyzer was reset with the chemistry technician noting low flow at the time the result was recorded. TRC was also recording lower than the FAC value simultaneously. BVPS believes this was an analyzer error - the FAC value normalized to ND once reset. The 0.50 reading does not exceed the permit daily max limit of 0.50 mg/L for FAC.									



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 ADDRESS: 188 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: 08/01/2021
 DMR Effective To: 08/31/2021
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	Sample Measurement	.006	.048	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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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: **ENERGY HARBOR NUCLEAR CORP**
 ADDRESS: **188 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	003
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
 DMR Effective To: **08/31/2021**
 Permit Expires: **12/27/2006**
 Permit Application Due: **08/30/2006**
 No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	Sample Measurement	.112	.125	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: **188 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

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
 DMR Effective To: **08/31/2021**
 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.		
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 MAX		1/week	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50080)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	5 Avg Mo	1.25 MAX		1/week	Grab
Free Available Chlorine (50084)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	2 Avg Mo	5 Daily Max		1/week	Grab
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	006
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2021
 DMR Effective To: 08/31/2021
 Permit Expires: 12/27/2008
 Permit Application Due: 08/30/2008
 No Discharge: ☐

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
FROM 2021	08	01	TO	2021	08	31

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
 DMR Effective To: **08/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **06/30/2008**
 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.		
	Permit Requirement	***	***		8.0 Inst Min	***	8.0 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 (50084)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	.2 Avg Mo	.5 Daily Max		1/week	Grab
Facility Sampling Point Comments										



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NAME: **ENERGY HARBOR NUCLEAR CORP**
 ADDRESS: **188 E MARKET ST, AKRON OH, 44308-2014**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA0025615	008
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2021	08	01	TO	2021	08	31	

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
 DMR Effective To: **08/31/2021**
 Permit Expires: **12/27/2006**
 Permit Application Due: **08/30/2006**
 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	***	***	***	***	***	***	***	2/month	Grab
	Permit Requirement	***	***	***	6.0 Inst Min	***	8.0 IMAX	***		
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	***	2/month	Grab
	Permit Requirement	***	***	***	***	30.0 Avg Mo	100.0 Daily Max	mg/L		
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	***	2/month	Grab
	Permit Requirement	***	***	***	***	15 Avg Mo	20 Daily Max	mg/L		
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	***	***	***	***	***	***	***		
Facility Sampling Point Comments		Monitor & Report Avg Mo	Monitor & Report Daily Max							



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 ADDRESS: **188 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	010
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
 DMR Effective To: **08/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **08/30/2008**
 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	***	***	***	7.8	***	8.0	S.U.	1/week	Grab
	Permit Requirement	***	***	***	6.0 Inst Min	***	8.0 IMAX	***	1/week	Grab
Clambol CT-1 (04251)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***	***	***	.034 Avg Mo	.034 Daily Max	***	Daily when Discharging	24-Hr Composite
Flow (50050)	Sample Measurement	3.7	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	***	***	***	***	< .04	.08	mg/L	1/week	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.25 IMAX	***	1/week	Grab
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	< .04	.08	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

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2021	08	01	TO	2021	08	31	

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2021
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 Permit Expires: 12/27/2006
 Permit Application Due: 08/30/2006
 No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
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										



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

PA0025615	012
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2021
 DMR Effective To: 08/31/2021
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2021	08	01	TO	2021	08	31	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.7	***	7.9	8.U.	1/month	Grab
	Permit Requirement	***	***	***	6.0 Inst Min	***	9.0 IMAX	***	1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	< .025	< .025	mg/L	2/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	2/month	Grab
Zinc, Total (01092)	Sample Measurement	***	***	***	***	< .02	< .02	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	***	***	***	***	210	230	mg/L	2/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	2/month	Grab
Facility Sampling Point Comments										



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 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: **08/01/2021**
 DMR Effective To: **08/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **08/30/2008**
 No Discharge: ☐

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YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.0	***	7.8	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										



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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**

PA0025815	101
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
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 Permit Application Due: **06/30/2008**
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PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	---	---	---	---	---	---	S.U.	1/week	Grab
	Permit Requirement	---	---	---	8.0 Inst Min	---	8.0 Inst Max			
Total Suspended Solids (00530)	Sample Measurement	---	---	---	---	---	---	mg/L	1/week	Composite
	Permit Requirement	---	---	---	---	30.0 Avg Mo	100.0 Daily Max			
Oil and Grease (00559)	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 (61313)	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

PA0025815	102
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2021
 DMR Effective To: 08/31/2021
 Permit Expires: 12/27/2008
 Permit Application Due: 08/30/2008
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.9	***	8.0	S.U.	2/month	Grab
	Permit Requirement	***	***	***	6.0 Inst Min	***	8.0 MAX	***	2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	7.0	10.0	mg/L	2/month	Grab
	Permit Requirement	***	***	***	***	30.0 Avg Mo	100.0 Daily Max	***	2/month	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 5.1	< 5.1	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**

PA0025815	103
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2021	08	01	TO	2021	08	31	

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
 DMR Effective To: **08/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **08/30/2008**
 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	***	***	***	7.4	***	7.5	8.U.	2/month	Grab
	Permit Requirement	***	***	***	6.0 Inst Min	***	6.0 IMAX	***	2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 4.0	< 4.0	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	.112	.125	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	111
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2021
 DMR Effective To: 08/31/2021
 Permit Expires: 12/27/2006
 Permit Application Due: 08/30/2006
 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	***	***	***	7.2	***	7.8	S.U.	1/week	Grab
	Permit Requirement	***	***	***	8.0 Inst Min	***	8.0 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	***	***	***	***	< 5.2	< 5.6	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

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2021	08	01	TO	2021	08	31	

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2021
 DMR Effective To: 08/31/2021
 Permit Expires: 12/27/2006
 Permit Application Due: 08/30/2006
 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	***	***	***	***	***	***	8.U.		
	Permit Requirement	***	***	***	6.0 Inst Min	***	8.0 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: **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	203
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
 DMR Effective To: **08/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **08/30/2008**
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	---	---	---	---	---	---	S.U.	2/month	Grab
	Permit Requirement	---	---		8.0 Inst Min	---	8.0 IMAX			
Total Suspended Solids (00530)	Sample Measurement	---	---	---	---	30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite
	Permit Requirement	---	---		---	---	---			
Flow (50050)	Sample Measurement	---	---	MGD	---	---	---	---	1/week	Measured
	Permit Requirement	.023 Avg Mo	Monitor & Report Daily Max		---	---	---			
Total Residual Chlorine (TRC) (50080)	Sample Measurement	---	---	---	---	---	---	mg/L	2/month	Grab
	Permit Requirement	---	---		---	1.4 Avg Mo	3.3 IMAX			
Fecal Coliform (74055) (May-Sep)	Sample Measurement	---	---	---	---	---	---	No./100 ml	2/month	Grab
	Permit Requirement	---	---		---	200 Geo Mean	---			
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	---	---	---	---	---	---	mg/L	2/month	8-Hr Composite
	Permit Requirement	---	---		---	25.0 Avg Mo	50.0 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: 188 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	211
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2021
 DMR Effective To: 08/31/2021
 Permit Expires: 12/27/2008
 Permit Application Due: 08/30/2006
 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	***	***	***	6.9	***	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	***	***	***	***	< 4.2	6.1	mg/L	1/week	Grab
	Permit Requirement	***	***	***	***	130.0 Avg Mo	100.0 Daily Max	***	1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 6.2	< 5.4	mg/L	1/week	Grab
	Permit Requirement	***	***	***	***	18 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	213
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
 DMR Effective To: **08/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **08/30/2006**
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	***	***	***	6.0 Inst Min	***	8.0 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	***	***	MGD	***	***	***	***	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										



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

NAME: **ENERGY HARBOR NUCLEAR CORP**
 ADDRESS: **188 E MARKET ST, AKRON OH, 44308-2014**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 188, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA0025015
 PERMIT NUMBER

301
 OUTFALL NUMBER

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2021	08	01	TO	2021	08	31	

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
 DMR Effective To: **08/31/2021**
 Permit Expires: **12/27/2006**
 Permit Application Due: **08/30/2006**
 No Discharge: ☒

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max			
Oil and Grease (00550)	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	303
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2021	08	01	TO	2021	08	31	

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2021
 DMR Effective To: 08/31/2021
 Permit Expires: 12/27/2008
 Permit Application Due: 08/30/2008
 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.		
	Permit Requirement	***	***		8.0 Inst Min	***	8.0 1MAX		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 (00558)	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

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
 DMR Effective To: **08/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **08/30/2008**
 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	***	***	***	6.8	***	7.6	S.U.	1/week	Grab
	Permit Requirement	***	***	***	6.0 Inst Min	***	9.0 1MAX	***	1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	6.2	9.9	mg/L	1/week	Grab
	Permit Requirement	***	***	***	***	30.0 Avg Mo	100.0 Daily Max	***	1/week	Grab
Oil and Grease (00550)	Sample Measurement	***	***	***	***	< 5.3	< 5.9	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	401
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2021	08	01	TO	2021	08	31	

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2021
 DMR Effective To: 08/31/2021
 Permit Expires: 12/27/2008
 Permit Application Due: 08/30/2008
 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	***	***	***	8.2	***	GG	S.U.		
	Permit Requirement	***	***	***	8.0 Inst Min	***	Monitor & Report MAX	***		
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	***	***	***	***	< 6.2	< 5.4	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	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	403
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
 DMR Effective To: **08/31/2021**
 Permit Expires: **12/27/2008**
 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.		
	Permit Requirement	***	***	***	8.0 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
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	1/week	Grab
Cibacrol CT-1 (04251)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***	***	***	.001 Avg Mo	.001 Daily Max	***	Daily when Discharging	24-Hr Composite
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
Hydrazine (81313)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***	***	***	.001 Avg Mo	.001 Daily Max	***	1/week	Grab
Facility Sampling Point Comments										



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

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

PA0025615	413
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2021	08	01	TO	2021	08	31	

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
 DMR Effective To: **08/31/2021**
 Permit Expires: **12/27/2006**
 Permit Application Due: **08/30/2006**
 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.		
	Permit Requirement	***	***	***	8.0 Inst Min	***	9.0 MAX	***	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										



**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

501
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **08/01/2021**
 DMR Effective To: **08/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **08/30/2006**
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2021	08	01	TO	2021	08	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		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)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
BVPS August 2021 DMR Cover Letter Signed.pdf	Cover Letter	2021-09-23T12:16:45-04:00	

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
146753	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 August 2021. Flowmeter repairs have been completed and flow data reporting for this outlet will resume with the September 2021 DMR submission.
146754	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 August 2021. Flowmeter repairs have been completed and flow data reporting for this outlet will resume with the September 2021 DMR submission.

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
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SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*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		
enosmj			(724)	682-7773	2021	09	23
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO