



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

November 24, 2020
L-20-314

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 October 2020 NPDES Discharge Monitoring Report (DMR) for Energy Harbor Nuclear Corp, Beaver Valley Power Station (BVPS) 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 and October. Internal notification was generated for equipment repair; Repairs are in progress and shall complete prior to December 18, 2020.

Included with this report are two Supplemental Laboratory Accreditation Forms for analyses performed to support permit requirements as required by 25 Pa. Code § 252.

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

TEZ5
NRR

Beaver Valley Power Station, Unit Nos. 1 and 2

L-20-314

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Attachment(s):

1. Weekly Dissolved Oxygen Monitoring Results at Outfall 001

Enclosure(s)

- A. Monthly Discharge Monitoring Report
- B. Supplemental Lab Accreditation Forms

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
October 2020

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
10/04/2020	08:58 AM	8.00	mg/L
10/11/2020	12:10 AM	7.00	mg/L
10/18/2020	08:45 AM	8.00	mg/L
10/25/2020	11:40 AM	7.00	mg/L

- Attachment 1 END -



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

NAME: ENERGY HARBOR GENERATION LLC
 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15977
 STAGE: Final Effluent

PA0025615	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM 2020	10	01	TO 2020	10	31

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	***	***	***	***	8.0	***	mg/L	1/week	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Daily Max	***	***	Monitor & Report	Monitor & Report
pH (00400)	Sample Measurement	***	***	***	7.7	***	8.4	S.U.	1/week	Grab
	Permit Requirement	***	***	***	8.0 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
Clamitrol CT-1 (04251)	Sample Measurement	***	***	***	***	GG	GG	mg/L	See Permit	24-Hr Composite
	Permit Requirement	***	***	***	***	.034 Avg Mo	.034 Daily Max	***	Continuous	Measured
Flow (50050)	Sample Measurement	E	E	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***	***	Continuous	Measured
	Facility Parameter Comments	The continuous flowmeter at 001 was out of service for the month of November. An internal notification for repairs has been generated. The anticipated return date for this equipment is 12/18/2020.								
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
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	< .02	.06	mg/L	Continuous	Recorded
	Permit Requirement	***	***	***	***	2 Avg Mo	5 Daily Max	***	Continuous	Recorded
	Facility Parameter Comments	10/1 and 10/2 when the chlorine analyzer was out of service. Compensatory twice a day grab sampling was conducted.								
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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 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615	002
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	31

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 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		
Flow (50050)	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										



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

PA0025615
 PERMIT NUMBER

003
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2020	10	01	TO	2020	10	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	.120	.138	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 GENERATION LLC**
 ADDRESS: **76 S MAIN ST, AKRON OH, 44306**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA9025615
PERMIT NUMBER

904
OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **10/01/2020**
 DMR Effective To: **10/31/2020**
 Permit Expires: **12/27/2006**
 Permit Application Due: **06/30/2006**
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	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	***	9.0 IMAX		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) (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										



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 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: 10/01/2020
 DMR Effective To: 10/31/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2020	10	01	TO	2020	10	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	.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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 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615
 PERMIT NUMBER

007
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
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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.		
	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										



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

PA0025615
 PERMIT NUMBER

008
 OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	31

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 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 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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 STAGE: Final Effluent

PA0025615
 PERMIT NUMBER

010
 OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01		TO 2020	10	31

Reporting Frequency: Monthly
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 DMR Effective To: 10/31/2020
 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	***	***	***	7.8	***	8.0	S.U.	1/week	
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Clamrol CT-1 (04251)	Sample Measurement	***	***	***	***	SS	SS	mg/L	Daily when Discharging	24-Hr Composite
	Permit Requirement	***	***		***	.034 Avg Mo	.034 Daily Max			
Flow (50050)	Sample Measurement	5.18	5.76	MGD	***	***	***	***	1/week	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	< .05	.08	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.25 IMAX		1/week	Grab
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	< .03	.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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 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615	011
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	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	.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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DISCHARGE MONITORING REPORT (DMR)**

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

PA0025615	912
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	31

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 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	***	***	***	8.3	***	8.3	S.U.	1/month	Grab
	Permit Requirement	***	***	***	8.0 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	***	***	***	***	≤ .03	.04	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	***	***	***	***	245	250	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
 PERMIT NUMBER

013
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	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	***	***	***	7.1	***	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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 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615		101	
PERMIT NUMBER		OUTFALL NUMBER	

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	31

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 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			
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										



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

PA0025615
PERMIT NUMBER

102
OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **10/01/2020**
 DMR Effective To: **10/31/2020**
 Permit Expires: **12/27/2006**
 Permit Application Due: **06/30/2006**
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2020	10	01		TO 2020	10	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	***	***	***	7.8	***	8.3	S.U.	2/month	Grab
	Permit Requirement	***	***	***	6.0 Inst Min	***	9.0 IMAX	***	2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 15.3	26.6	mg/L	2/month	Grab
	Permit Requirement	***	***	***	***	50.0 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 GENERATION LLC
 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615
 PERMIT NUMBER

193
 OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	31

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 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	***	***	***	7.2	***	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	***	***	***	***	< 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	.120	.138	MGD	***	***	***	***	1/day	Metered
	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 GENERATION LLC
 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 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: 10/01/2020
 DMR Effective To: 10/31/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	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	***	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 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	≤ 5.2	≤ 5.3	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 GENERATION LLC
 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615
PERMIT NUMBER

113
OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	31

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 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.	2/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX			
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	30.0 Avg Mo	60.0 Daily Max			
Flow (50050)	Sample Measurement	***	***	MSD	***	***	***	***	1/week	Measured
	Permit Requirement	.043 Avg Mo	Monitor & Report Daily Max		***	***	***			
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	1.4 Avg Mo	3.3 IMAX			
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	***	***	No./100 ml	2/month	Grab
	Permit Requirement	***	***		***	2000 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 GENERATION LLC
 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615
 PERMIT NUMBER

203
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	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	***	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	.025 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) (Oct-Apr)	Sample Measurement	***	***	***	***	***	***	No./100 ml		
	Permit Requirement	***	***		***	2000 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 GENERATION LLC
 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 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: 10/01/2020
 DMR Effective To: 10/31/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01		TO 2020	10	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	***	***	***	6.8	***	7.8	S.D.	1/week	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	≤ 7.5	10.0	mg/L	1/week	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	≤ 5.1	≤ 5.3	mg/L	1/week	Grab
	Permit Requirement	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Flow (50050)	Sample Measurement	.002	.002	MSD	***	***	***	***	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 GENERATION LLC
 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615
 PERMIT NUMBER

213
 OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	31

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 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.	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 GENERATION LLC**
 ADDRESS: **76 S MAIN ST, AKRON OH, 44308**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA0025615
PERMIT NUMBER

391
OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **10/01/2020**
 DMR Effective To: **10/31/2020**
 Permit Expires: **12/27/2006**
 Permit Application Due: **06/30/2006**
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	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		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										



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

NAME: ENERGY HARBOR GENERATION LLC
 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0925615
 PERMIT NUMBER

393
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 09/30/2006
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	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.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX			
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	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			
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 GENERATION LLC
 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615
 PERMIT NUMBER

313
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2020	10	01		TO 2020	10	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	***	***	***	7.1	***	7.6	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	≤ 4.3	4.8	mg/L	1/week	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	≤ 5.1	≤ 5.2	mg/L	1/week	Grab
	Permit Requirement	***	***		***	16 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 GENERATION LLC**
 ADDRESS: **76 S MAIN ST, AKRON OH, 44308**
 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: **10/01/2020**
 DMR Effective To: **10/31/2020**
 Permit Expires: **12/27/2006**
 Permit Application Due: **06/30/2006**
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	10	01	FROM	2020	10	31
			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	***	***	***	8.2	***	8.3	S.U.	2/month	Grab
	Permit Requirement	***	***		6.0	***	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	***	***	***	***	≤ 5.2	≤ 5.2	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	Estimate
Facility Sampling Point Comments										



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

NAME: ENERGY HARBOR GENERATION LLC
 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615
 PERMIT NUMBER

493
 OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	31

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 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			
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	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			
Ciamtrol CT-1 (04251)	Sample Measurement	***	***	***	***	***	***	mg/L	Daily when Discharging	24-Hr Composite
	Permit Requirement	***	***	***	***	.001 Avg Mo	.001 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	1/week	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.25 IMAX			
Hydrazine (81313)	Sample Measurement	***	***	***	***	***	***	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 GENERATION LLC
 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615
 PERMIT NUMBER

413
 OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	31

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 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			
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L	1/week	Grab
	Permit Requirement	***	***		***	38.0 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			
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	2/month	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 GENERATION LLC
 ADDRESS: 76 S MAIN ST, AKRON OH, 44308
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 168, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025615
 PERMIT NUMBER

501
 OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	10	01	TO	2020	10	31

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2020
 DMR Effective To: 10/31/2020
 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		
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
_10.2020 Cover Letter.pdf	Cover Letter	2020-11-25T08:27:23-05:00	October 2020 Cover Letter and Attachment 1: DO Monitoring
_10.2020 Lab Accreditation.pdf	Laboratory Accreditation Form	2020-11-25T08:28:22-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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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
125595	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 rest of September and October. Internal notification was generated for equipment repair. Repairs are in progress and scheduled complete prior to December 18, 2020.
125596	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 rest of September and October. Internal notification was generated for equipment repair. Repairs are in progress and scheduled complete prior to December 18, 2020.

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
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SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	<p>*Pursuant to the Pennsylvania Electronic Transactions Act - Act 89, 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).</p>	TELEPHONE		DATE		
enasm		Matthew Enos	(724) 682-7773	2020	11	25
		SUBMITTED BY FULL NAME	AREA CODE NUMBER	YEAR	MO	DAY



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>Energy Harbor Nuclear Operating Company</u>							
Address: <u>P.O. Box 4</u>							
<u>Shippingport, PA 15077</u>							
<u>Beaver Valley Power Station</u>							
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day			
PA0025615				2020	10	01	TO 2020 10 31
PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER²				
Total Residual Chlorine	SM 4500-CL G [20 th]	Beaver Valley Power Station	04-2742				
Free Available Chlorine	SM 4500-CL G [20 th]	Beaver Valley Power Station	04-2742				
pH	SM 4500-H+ B [20 th]	Beaver Valley Power Station	04-2742				
Temperature	SM 2550 B [20 th]	Beaver Valley Power Station	04-2742				
Flow	NA	Beaver Valley Power Station	04-2742				
Total Suspended Solids (TSS)	SM 2540 D [20 th]	Beaver Valley Power Station	04-2742				
Quaternary Amine Compounds	Photometric Determination 1/2-CHM-ANA-4.23H	Beaver Valley Power Station	04-2742				
Bentonite Detoxicant	Estimated using feed rate and discharge flow rate per NPDES Permit PA0025645	Beaver Valley Power Station	04-2742				
Hydrazine	ASTM D1385-01	Beaver Valley Power Station	04-2742				

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Matthew J. Enos
General Plant Manager

Phone: 724-682-7773

Date: 11/25/2020

**Signature of Principal Executive Officer or
Authorized Agent**

¹ Submit this form with the first Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes. You do not need to send this form to the Department again UNLESS there has been a change to the lab or method of analysis.

² For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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<u>Beaver Valley Power Station</u>							
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day			
PA0025615				2020	10	01	TO 2020 10 31
PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER²				
Zinc	EPA 200.7 Rev 4.4	Test America-Pittsburgh Lab	02-00416				
Copper	EPA 200.7 Rev 4.4	Test America-Pittsburgh Lab	02-00416				
Iron	EPA 200.7 Rev 4.4	Test America-Pittsburgh Lab	02-00416				
Chromium	EPA 200.7 Rev 4.4	Test America-Pittsburgh Lab	02-00416				
Ammonia	SM 4500 NH3 F	Test America-Pittsburgh Lab	02-00416				
Cyanide	SM 4500-CN E	Test America-Pittsburgh Lab	02-00416				
Chlorobenzene	EPA 624	Test America-Pittsburgh Lab	02-00416				
Oil and Grease	EPA 1664 Rev A	Test America-Canton Lab	68-00340				
Copper	EPA 200.8	Test America-Pittsburgh Lab	02-00416				
Total Dissolved Solids (TDS)	SM 2450 C	Test America-Pittsburgh Lab	02-00416				
Oil and Grease	EPA 1664 Rev A	Test America-Lancaster PA Lab	36-00037				
	* 2012 EPA Method Update Rule (MUR) no longer cites Standard Method editions						

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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