



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

April 22, 2020  
L-20-135

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 March 2020 NPDES Discharge Monitoring Report (DMR) for Energy Harbor (EH), formerly FirstEnergy Nuclear Operating Company (FENOC), 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.

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 Kelsy Kurcsak, at 724-682-7358.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Enos", written over a white background.

Matthew J. Enos  
General Plant Manager

IEZ5  
NRR

Beaver Valley Power Station, Unit Nos. 1 and 2  
L-20-135  
Page 2

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

L-20-135

March 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.

<b>SAMPLE DATE</b>	<b>SAMPLE TIME</b>	<b>VALUE</b>	<b>UNITS</b>
03/01/2020	10:15 AM	6.00	mg/L
03/08/2020	10:20 AM	6.00	mg/L
03/15/2020	09:10 AM	8.00	mg/L
03/22/2020	08:00 AM	8.00	mg/L
03/29/2020	07:15 AM	7.00	mg/L

- Attachment 1 END -



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 ADDRESS: 76 S MAIN ST, AKRON, OH , 44308  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615  
PERMIT NUMBER

001  
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2020	03	01	FROM	2020	03	31

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 IMAX			Monitor & Report	Monitor & Report
pH (00400)	SAMPLE MEASUREMENT	***	***		7.8	***	8.2		S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX			1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***	GG	GG		mg/L		
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max			1/week	Grab
Clamrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	GG	GG		mg/L		
	PERMIT REQUIREMENT	***	***		***	.034 Avg Mo	.034 Daily Max			See Permit	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	25.2	27.3		***	***	***		MGD	Continuous	Measured
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***			Continuous	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX			1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		mg/L	Continuous	Recorded
	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.5 Daily Max			Continuous	Recorded



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PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Hydrazine (81313)	SAMPLE MEASUREMENT	***	***		***	GG	GG			
	PERMIT REQUIREMENT	***	***		***	.007 Avg Mo	.007 Daily Max	mg/L	1/week	Grab
Facility 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

002  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2020	03	01	FROM	2020	03	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.006	.046		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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 STAGE: Final Effluent

PA0025615
PERMIT NUMBER

003
OUTFALL NUMBER

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 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
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MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2020	03	01	FROM	2020	03	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.139	.199		***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
Facility Comments										



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004  
 OUTFALL NUMBER

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 Permit Application Due: 06/30/2006  
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MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	FROM	2020	03	31
			TO			

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





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

PA0025615  
 PERMIT NUMBER

006  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
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 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	FROM	2020	03	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.002	.016		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

PA0025615
PERMIT NUMBER

007
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	FROM	2020	03	31
			TO			

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



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 STAGE: Final Effluent

PA0025615  
 PERMIT NUMBER

008  
 OUTFALL NUMBER

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MONITORING PERIOD						
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2020	03	01	TO	2020	03	31

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	***	9.0 MAX	S.U.		
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				***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***			
Facility Comments										



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

PA0025615  
 PERMIT NUMBER

010  
 OUTFALL NUMBER

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 Permit Expires: 12/27/2006  
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 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2020	03	01		2020	03	31

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.4	***	8.3		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0	***	9.0	S.U.	1/week	Grab
Clamrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	GG	GG			
	PERMIT REQUIREMENT	***	***		***	.034	.034	mg/L	Daily when Discharging	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	4.46	5.04		***	***	***		1/week	Measured
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.5	1.25	mg/L	1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.2	.5	mg/L	1/week	Grab
Facility 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

011
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	TO	2020	03	31

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.004	.004		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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 STAGE: Final Effluent

PA0025615  
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012  
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MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	TO	2020	03	31

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			SAMPLING FREQUENCY	SAMPLING TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE			UNITS
pH (00400)	SAMPLE MEASUREMENT	***	***		8.4	***	8.4	S.U.	1/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min.	***	9.0 IMAX		1/month	Grab
Copper, Total (01042)	SAMPLE MEASUREMENT	***	***		***	.055	.071	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***	.1	.1	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	***	***		***	205	240	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
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YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	FROM	2020	03	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.0	***	7.5		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 MAX	S.U.	1/week	Grab
Cyanide, Total (00720)	SAMPLE MEASUREMENT	***	***		***	<.01	<.01		2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
Chlorobenzene (34301)	SAMPLE MEASUREMENT	***	***		***	<.001	<.001		2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
Copper, Total (01042)	SAMPLE MEASUREMENT	***	***		***	<.025	<.025		2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
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PA0025615  
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101  
 OUTFALL NUMBER

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





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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 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

102
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	FROM	2020	03	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		8.0	***	8.2		2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 MAX	S.U.		
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	16.6	21.4		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L		
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5	<5		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	.20 Daily Max	mg/L		
Flow (50050)	SAMPLE MEASUREMENT	.001	.001		***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***			
Facility Comments									2/month	Estimate



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 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

103  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	FROM	2020	03	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		8.0	***	8.0	S.U.	2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 MAX		2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	20.7	34.3	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	.125	.143		***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
Facility Comments									2/month	Estimate



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 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

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	FROM	2020	03	31
			TO			

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		6.9	***	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	***	***		***	<4.2	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	<5	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 Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 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

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	FROM	2020	03	31
			TO			

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				***	***	***			1/week	Measured
	PERMIT REQUIREMENT	.043 Avg Mo	Monitor & Report Daily Max	MCD	***	***	***				
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***				mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	1.4 Avg Mo	3.3 IMAX				
Fecal Coliform (74055)	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 Comments											



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 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: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2020	03	01		2020	03	31

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				***	***	***		MGD	1/week	Measured
	PERMIT REQUIREMENT	.023 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)	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 Comments											



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 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: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	TO	2020	03	31

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		6.5	***	8.1		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<12.2	28.6		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5	<5		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 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

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	TO	2020	03	31

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	***	9.0 IMAX	S.U.		
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				***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***			
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***				2/month	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L		
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 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

301  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 08/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	TO	2020	03	31

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L		
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5	<5		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L		
Flow (50050)	SAMPLE MEASUREMENT	.001	.001		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***			
Facility Comments									1/week	Estimate





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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 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

303  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	FROM	2020	03	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.3	***	7.6	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	26.3	27.8	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	<5	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.007	.056	MGD	***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 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: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	TO	2020	03	31

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.0	***	7.5	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst.Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	8.4	9.6	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5	<5	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 Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 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: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	FROM	2020	03	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		9.3	***	GG			
	PERMIT REQUIREMENT	***	***		6.0	***	Monitor & Report IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5	<5		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT	.001	.001		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 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

403  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2020	03	01		2020	03	31

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE		
pH (00400)	SAMPLE MEASUREMENT	***	***			***			
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***			1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***			1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***			1/week	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	
Ciamtrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	.001 Avg Mo	.001 Daily Max	mg/L	
	PERMIT REQUIREMENT	***	***		***			Daily when Discharging	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT				***	***	***		
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***			1/week	Estimate
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L	
Hydrazine (81313)	SAMPLE MEASUREMENT	***	***		***			1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.001 Avg Mo	.001 Daily Max	mg/L	
Facility Comments								1/week	Grab



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY NUCLEAR OPR CO  
 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

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	TO	2020	03	31

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

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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

601  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	TO	2020	03	31

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments	This report is intended to show "No Discharge" for outfall 501. BVPS site NPDES permit does not have an outfall 601. Recent Greenport updates have changed outfall 501 to 601.									

**COMMENT DETAILS**

COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER
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## SUPPLEMENTAL LABORATORY ACCREDITATION FORM<sup>1</sup>

<b>Permittee Name:</b> <u>FirstEnergy Nuclear Operating Company</u>							
<b>Address:</b> <u>P.O. Box 4</u>							
<u>Shippingport, PA 15077</u>							
<u>Beaver Valley Power Station</u>							
<b>PERMIT NUMBER</b>				<b>MONITORING PERIOD</b> Year/Month/Day			
PA0025615				2020	03	01	TO 2020 03 31
PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER <sup>2</sup>				
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.

**Name/Title Principal Executive Officer**

 Phone: 724-682-7773
**Signature of Principal Executive Officer or Authorized Agent**
Matthew J. Enos  
 General Plant Manager

 Date: 4/20/20

<sup>1</sup> 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.

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



## SUPPLEMENTAL LABORATORY ACCREDITATION FORM<sup>1</sup>

<b>Permittee Name:</b> <u>FirstEnergy Nuclear Operating Company</u>										
<b>Address:</b> <u>P.O. Box 4</u>										
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<u>Beaver Valley Power Station</u>										
<b>PERMIT NUMBER</b>				<b>MONITORING PERIOD</b> Year/Month/Day						
PA0025615				2020	03	01	TO	2020	03	31
PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER <sup>2</sup>							
Total Residual Chlorine	SM 4500-CL G [20 <sup>th</sup> ]	Beaver Valley Power Station	04-2742							
Free Available Chlorine	SM 4500-CL G [20 <sup>th</sup> ]	Beaver Valley Power Station	04-2742							
pH	SM 4500-H+ B [20 <sup>th</sup> ]	Beaver Valley Power Station	04-2742							
Temperature	SM 2550 B [20 <sup>th</sup> ]	Beaver Valley Power Station	04-2742							
Flow	NA	Beaver Valley Power Station	04-2742							
Total Suspended Solids (TSS)	SM 2540 D [20 <sup>th</sup> ]	Beaver Valley Power Station	04-2742							
Quaternary Amine Compounds	Photometric Determination	Beaver Valley Power Station	04-2742							
	½-CHM-ANA-4.23H									
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:** 4/20/20

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

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