



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

March 24, 2020
L-20-096

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

50-334/412

SUBJECT:

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

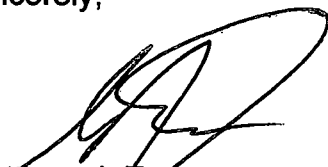
Enclosed is the February 2020 NPDES Discharge Monitoring Report (DMR) for Energy Harbor (EH), formerly FirstEnergy Nuclear Operating Company (FENOC), Beaver Valley Power Station (BVPS) in accordance with the requirement set forth in the site NPDES permit. Attachment 1 to this letter is supplemental monitoring 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,



Matthew J. Eros
General Plant Manager

IE25
NRR

Beaver Valley Power Station, Unit Nos. 1 and 2
L-20-096
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
February 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
02/02/2020	11:20 AM	6.00	mg/L
02/09/2020	12:30 PM	6.00	mg/L
02/16/2020	10:45 AM	8.00	mg/L
02/23/2020	11:30 AM	8.00	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, SHIPPINGPORT, PA, 15077
 STAGE: Final Effluent

PA0025615
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2020	02	01	FROM	2020	02	29	TO

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		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	***	Monitor & Report IMAX	mg/L	Monitor & Report	Monitor & Report
pH (00400)	SAMPLE MEASUREMENT	***	***		8.1	***	8.4		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***	GG	GG			
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
Clamtrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	GG	GG			
	PERMIT REQUIREMENT	***	***		***	.034 Avg Mo	.034 Daily Max	mg/L	See Permit	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	25.4	27.5		***	***	***		Continuous	Measured
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	<.02	.12		Continuous	Recorded
	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.5 Daily Max	mg/L	Continuous	Recorded



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

DISCHARGE MONITORING REPORT (DMR)

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										



**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

002
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	TO	2020	02	29

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE		
Flow (50050)		.006	.046		***	***	***	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

003
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	FROM	2020	02	29
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.126	.177		***	***	***		2/month	Estimate
	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)

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

004
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	FROM	2020	02	29
			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										



**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

006
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2020	02	01	FROM	2020	02	29	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	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

007
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	FROM	2020	02	29
			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										



**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

008
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2020	02	01	FROM	2020	02	29	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.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT	***	***		***	***	***			
	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

010
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2020	02	01	FROM	2020	02	29	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.9	***	8.1	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Clamrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	GG	GG	mg/L	Daily when Discharging	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	.034 Avg Mo	.034 Daily Max			
Flow (50050)	SAMPLE MEASUREMENT	4.32	4.32		***	***	***	MGD	1/week	Measured
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	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	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	2 Avg Mo	.5 Daily Max		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

011
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2020	02	01	FROM	2020	02	29	TO

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 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

012
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	FROM	2020	02	29
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		8.1	***	8.1		1/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst.Min.	***	9.0 MAX	S.U.	1/month	Grab
Copper, Total (01042)	SAMPLE MEASUREMENT	***	***		***	.071	.081		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***	.12	.15		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	1.5 Avg Mo	1.5 Daily Max	mg/L	2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT	.001	.001		***	***	***		1/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/month	Estimate
Total Dissolved Solids (70295)	SAMPLE MEASUREMENT	***	***		***	205	210		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	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

013
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	FROM	2020	02	29
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		6.9	***	7.4	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 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

101
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	TO	2020	02	29

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	Composite
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		Continuous	Measured
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: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	FROM	2020	02	29
			TO			

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		2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst/Min	***	9.0 MAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	9.0	10.2		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		***	***	***		2/month	Estimate
	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)

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: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	FROM	2020	02	29
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.6	***	7.9		2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 1st:Min	***	9.0 MAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<4.6	5.2		2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	30.0 Avg:Mo	100.0 Daily Max	mg/L	2/month	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	.126	.177		***	***	***		2/month	Estimate
	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)

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

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	FROM	2020	02	29
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH (00400)	SAMPLE MEASUREMENT	***	***		6.6	***	8.4		S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst. Min.	***	9.0 MAX			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	<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	113
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2020	02	01		2020	02	29

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	.043 Avg Mo	Monitor & Report Daily Max		***	***	***			
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	1.4 Avg Mo	3.3 IMAX	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	***	***			
Fecal Coliform (74055)	SAMPLE MEASUREMENT	***	***		***	2000 Geo Mean	***	No./100 ml	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	***	***			
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	***	***		***	25.0 Avg Mo	50.0 Daily Max	mg/L	2/month	8-Hr Composite
	PERMIT REQUIREMENT	***	***		***	***	***			
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: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2020	02	01		2020	02	29

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	8-Hr Composite
	PERMIT REQUIREMENT	***	***		***	30.0 Avg. Mo.	60.0 Daily Max	mg/L		
Flow (50050)	SAMPLE MEASUREMENT	***	***		***	***	***		1/week	Measured
	PERMIT REQUIREMENT	.023 Avg. Mo	Monitor & Report Daily Max	MGD	***	***	***			
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***				2/month	Grab
	PERMIT REQUIREMENT	***	***		***	1.4 Avg. Mo.	3.3 IMAX	mg/L		
Fecal Coliform (74055)	SAMPLE MEASUREMENT	***	***		***				2/month	Grab
	PERMIT REQUIREMENT	***	***		***	2000 Geo Mean	***	No./100 ml		
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	***	***		***				2/month	8-Hr Composite
	PERMIT REQUIREMENT	***	***		***	25.0 Avg. Mo.	50.0 Daily Max	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

211
OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	TO	2020	02	29

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 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	***	***		6.4	***	8.5		S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst. Min.	***	9.0 MAX			1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	11.9	34.0		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	<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

213
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2020	02	01	FROM	2020	02	29	TO

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: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2020	02	01	FROM	2020	02	29	TO

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	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	303
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2020	02	01	FROM	2020	02	29	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***			1/week	Grab
	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		
Flow (50050)	SAMPLE MEASUREMENT				***				1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***			
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: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	TO	2020	02	29

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		6.9	***	7.4	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst/Min	***	9.0 MAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	6.7	10.4	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg/Mo	100.0 Daily/Max		1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<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: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	FROM	2020	02	29
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		10.3	***	GG			
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	Monitor & Report iMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<5.1	6.2		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.1	<5.1		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: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	FROM	2020	02	29
			TO			

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

413
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2020	02	01	FROM	2020	02	29	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***			1/week	Grab
	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		
Flow (50050)	SAMPLE MEASUREMENT				***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg. Mo.	Monitor & Report Daily Max.	MGD	***	***	***			
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

601
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2020
 DMR Effective To: 02/29/2020
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	FROM	2020	02	29
			TO			

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
----------	---------------	-------------------------------	-------------------------


SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>FirstEnergy 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	02	01	TO 2020 02 29
PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER ²				
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 ½-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: 3/23/20
**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.



SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>FirstEnergy 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	02	01	TO 2020 02 29
PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER ²				
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: 3/23/20

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.