FENOC
FirstEnergy Nuclear Operating Company

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

November 25, 2019
L-19-275

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 2019 NPDES Discharge Monitoring Report (DMR) and Fourth Quarter Storm Water Report for FirstEnergy Nuclear Operating Company (FENOC), Beaver Valley Power Station (BVPS). 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 724-682-4218.

Sincerely,

Matthew J. Enos
General Plant Manager

IE25
NRR

Attachment(s):
1. Weekly Dissolved Oxygen Monitoring Results at Outfall 001

Enclosure(s)
A. Monthly Discharge Monitoring Report
B. Fourth Quarter Storm Water Report
C. 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

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
10/6/2019	10:30:00 AM	7.00	mg/L
10/13/2019	08:45:00 AM	7.00	mg/L
10/20/2019	10:00:00 AM	7.00	mg/L
10/27/2019	11:55:00 AM	8.00	mg/L

- Attachment 1 END -

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
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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	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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		
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	***	***		7.6	***	7.8	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***	<.17	<.20	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Clamtrol 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	26.8	43.9	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	***	***		***	<.0014	<.0014	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.007 Avg Mo	.007 Daily Max		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	002
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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		
Flow (50050)	SAMPLE MEASUREMENT	.006	.046	MGD	***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Comments										

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

PA0025615	003
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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		
Flow (50050)	SAMPLE MEASUREMENT	.188	.612	MGD	***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
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FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077
STAGE: Final Effluent

PA0025615	004
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
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Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		7.9	***	8.1	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	7.71	23.1	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	***	***		***	<.07	.11	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.5 Daily Max		1/week	Grab
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FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077
STAGE: Final Effluent

PA0025615	006
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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		
Flow (50050)	SAMPLE MEASUREMENT	.002	.016	MGD	***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
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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	007
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		7.5	***	7.5	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.001	.001	MGD	***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	.07	.07	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX		1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	.04	.04	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.5 Daily Max		1/week	Grab
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FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077
STAGE: Final Effluent

PA0025615	008
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		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
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ADDRESS: 76 S MAIN ST, AKRON, OH , 44308
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LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077
STAGE: Final Effluent

PA0025615	010
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		7.2	***	7.5	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Clamtrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	GG	GG	mg/L		
	PERMIT REQUIREMENT	***	***		***	.034 Avg Mo	.034 Daily Max		Daily when Discharging	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	3.96	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
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STAGE: Final Effluent

PA0025615	011
PERMIT NUMBER	OUTFALL NUMBER

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	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

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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
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PA0025615	012
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		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.6	***	7.6	S.U.	1/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/month	Grab
Copper, Total (01042)	SAMPLE MEASUREMENT	***	***		***	<.025	<.025	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***	<.02	<.02	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	1.5 Avg Mo	1.5 Daily Max		2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT	.001	.001	MGD	***	***	***		1/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/month	Estimate
Total Dissolved Solids (70295)	SAMPLE MEASUREMENT	***	***		***	250	260	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Facility Comments										

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PA0025615	013
PERMIT NUMBER	OUTFALL NUMBER

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PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		6.2	***	7.1	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										

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

PA0025615	101
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
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Reporting Frequency: Monthly
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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	***	***			***		S.U.		
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Composite
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT			MGD	***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Hydrazine (81313)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Facility Comments										

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

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	102
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		7.2	***	7.5	S.U.	2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<5.5	7.0	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max		2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.1	<5.2	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 Comments										

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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	103
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		7.1	***	7.1	S.U.	2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<9.7	15.4	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	.188	.612	MGD	***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Facility Comments										

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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	111
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	8.1	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	***	***		***	<5.7	7.5	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										

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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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		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	.043 Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	1.4 Avg Mo	3.3 IMAX		2/month	Grab
Fecal Coliform (74055)	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 Comments										

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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	203
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		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	.023 Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	1.4 Avg Mo	3.3 IMAX		2/month	Grab
Fecal Coliform (74055)	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 Comments										

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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	211
PERMIT NUMBER	OUTFALL NUMBER

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		6.2	***	7.0	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<4.8	8.0	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 Comments										

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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	213
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		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
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX		2/month	Grab
Facility Comments										

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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	301
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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		
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	***	***		***	<5.1	<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	***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Comments										

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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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		S.U.		
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT			MGD	***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Comments										

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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	313
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		6.2	***	7.1	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	5.7	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	6.7	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										

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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	403
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		S.U.		
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Clamtrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	.001 Avg Mo	.001 Daily Max		Daily when Discharging	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX		1/week	Grab
Hydrazine (81313)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	.001 Avg Mo	.001 Daily Max		1/week	Grab
Facility Comments										

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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	413
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		S.U.		
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT			MGD	***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Facility Comments										

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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	501
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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		
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 Comments										

COMMENT DETAILS

COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER

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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	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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		
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	***	***		7.6	***	7.8	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***	<.17	<.20	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Clamtrol 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	26.8	43.9	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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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	***	***		***	<.0014	<.0014	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.007 Avg Mo	.007 Daily Max		1/week	Grab
Facility Comments										

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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	002
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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		
Flow (50050)	SAMPLE MEASUREMENT	.006	.046	MGD	***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Comments										

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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	003
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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		
Flow (50050)	SAMPLE MEASUREMENT	.188	.612	MGD	***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Facility Comments										

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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	004
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		7.9	***	8.1	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	7.71	23.1	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	***	***		***	<.07	.11	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.5 Daily Max		1/week	Grab
Facility Comments										

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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	006
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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		
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										

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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	007
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		7.5	***	7.5	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.001	.001	MGD	***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	.07	.07	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX		1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	.04	.04	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.5 Daily Max		1/week	Grab
Facility Comments										

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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	008
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		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 Comments										

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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	010
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		7.2	***	7.5	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Clamtrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	GG	GG	mg/L		
	PERMIT REQUIREMENT	***	***		***	.034 Avg Mo	.034 Daily Max		Daily when Discharging	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	3.96	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										

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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	011
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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		
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										

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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	012
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		7.6	***	7.6	S.U.	1/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/month	Grab
Copper, Total (01042)	SAMPLE MEASUREMENT	***	***		***	<.025	<.025	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***	<.02	<.02	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	1.5 Avg Mo	1.5 Daily Max		2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT	.001	.001	MGD	***	***	***		1/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/month	Estimate
Total Dissolved Solids (70295)	SAMPLE MEASUREMENT	***	***		***	250	260	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Facility Comments										

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BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME: FIRSTENERGY NUCLEAR OPR CO
ADDRESS: 76 S MAIN ST, AKRON, OH , 44308
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LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077
STAGE: Final Effluent

PA0025615	013
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		6.2	***	7.1	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										

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

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	101
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		S.U.		
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Composite
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		Continuous	Measured
Hydrazine (81313)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Facility Comments										

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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	102
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		7.2	***	7.5	S.U.	2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<5.5	7.0	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max		2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.1	<5.2	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 Comments										

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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	103
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		7.1	***	7.1	S.U.	2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<9.7	15.4	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	.188	.612	MGD	***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Facility Comments										

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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	111
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	8.1	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	***	***		***	<5.7	7.5	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
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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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		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	.043 Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	1.4 Avg Mo	3.3 IMAX		2/month	Grab
Fecal Coliform (74055)	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
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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	203
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		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	.023 Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	1.4 Avg Mo	3.3 IMAX		2/month	Grab
Fecal Coliform (74055)	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 Comments										

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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	211
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		6.2	***	7.0	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<4.8	8.0	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 Comments										

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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	213
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		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				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX		2/month	Grab
Facility Comments										

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BUREAU OF CLEAN WATER

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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	301
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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		
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	***	***		***	<5.1	<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	***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Comments										

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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

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		S.U.		
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT			MGD	***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Comments										

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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	313
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***		6.2	***	7.1	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	5.7	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	6.7	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										

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

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	403
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		S.U.		
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Clamtrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	.001 Avg Mo	.001 Daily Max		Daily when Discharging	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX		1/week	Grab
Hydrazine (81313)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	.001 Avg Mo	.001 Daily Max		1/week	Grab
Facility Comments										

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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	413
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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	***	***			***		S.U.		
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT			MGD	***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Facility Comments										

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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	501
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
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		
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 Comments										

COMMENT DETAILS

COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER

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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	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	12	31

Reporting Frequency: Quarterly
DMR Effective From: 10/01/2019
DMR Effective To: 12/31/2019
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		
Iron, Total (01045)	SAMPLE MEASUREMENT	***	***		***		***	mg/L		
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Daily Max	***		1/quarter	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***		***	mg/L		
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Daily Max	***		1/quarter	Grab
Facility Comments										

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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	003
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	12	31

Reporting Frequency: Quarterly
DMR Effective From: 10/01/2019
DMR Effective To: 12/31/2019
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		
Iron, Total (01045)	SAMPLE MEASUREMENT	***	***		***	.220	***	mg/L	1/quarter	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Daily Max	***		1/quarter	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***	.072	***	mg/L	1/quarter	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Daily Max	***		1/quarter	Grab
Facility Comments										

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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	008
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	12	31

Reporting Frequency: Quarterly
DMR Effective From: 10/01/2019
DMR Effective To: 12/31/2019
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		
Iron, Total (01045)	SAMPLE MEASUREMENT	***	***		***	<.1	***	mg/L	1/quarter	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Daily Max	***		1/quarter	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***	<.02	***	mg/L	1/quarter	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Daily Max	***		1/quarter	Grab
Facility Comments										

COMMENT DETAILS

COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER

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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	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	12	31

Reporting Frequency: Quarterly
DMR Effective From: 10/01/2019
DMR Effective To: 12/31/2019
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		
Iron, Total (01045)	SAMPLE MEASUREMENT	***	***		***		***	mg/L		
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Daily Max	***		1/quarter	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***		***	mg/L		
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Daily Max	***		1/quarter	Grab
Facility Comments										

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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	003
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	12	31

Reporting Frequency: Quarterly
DMR Effective From: 10/01/2019
DMR Effective To: 12/31/2019
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		
Iron, Total (01045)	SAMPLE MEASUREMENT	***	***		***	.220	***	mg/L	1/quarter	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Daily Max	***		1/quarter	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***	.072	***	mg/L	1/quarter	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Daily Max	***		1/quarter	Grab
Facility Comments										

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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	008
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	12	31

Reporting Frequency: Quarterly
DMR Effective From: 10/01/2019
DMR Effective To: 12/31/2019
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		
Iron, Total (01045)	SAMPLE MEASUREMENT	***	***		***	<.1	***	mg/L	1/quarter	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Daily Max	***		1/quarter	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***	<.02	***	mg/L	1/quarter	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Daily Max	***		1/quarter	Grab
Facility Comments										

COMMENT DETAILS

COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: FirstEnergy Nuclear Operating Company

Address: P.O. Box 4
Shippingport, PA 15077
Beaver Valley Power Station

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0025615	2019	10	01	TO	2019	10	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Total Residual Chlorine	SM 4500-CL G [20th]	Beaver Valley Power Station	04-2742
Free Available Chlorine	SM 4500-CL G [20th]	Beaver Valley Power Station	04-2742
pH	SM 4500-H+ B [20th]	Beaver Valley Power Station	04-2742
Temperature	SM 2550 B [20th]	Beaver Valley Power Station	04-2742
Flow	NA	Beaver Valley Power Station	04-2742
Total Suspended Solids (TSS)	SM 2540 D [20th]	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 possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer
Matthew J. Enos
General Plant Manager

Phone: 724-682-7773

Date: 11/21/19

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.

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: FirstEnergy Nuclear Operating Company

Address: P.O. Box 4
Shippingport, PA 15077
Beaver Valley Power Station

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0025615	2019	10	01	TO	2019	10	31

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
	* 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 possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 724-682-7773

Matthew J. Enos
General Plant Manager **Date:** 11/21/19

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.