

September 20, 2019
L-19-221

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

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

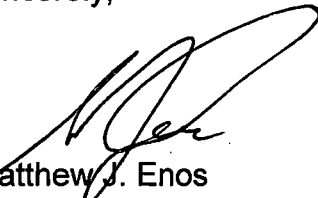
Enclosed is the August 2019 NPDES Discharge Monitoring Report (DMR) for FirstEnergy Nuclear Operating Company (FENOC), Beaver Valley Power Station (BVPS). Attachment 1 to this letter is supplemental monitoring data for Outfall 001 (dissolved oxygen).

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

Beaver Valley Power Station, Unit Nos. 1 and 2
L-19-221
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 L-19-221
FirstEnergy Nuclear Operating Company (FENOC)
Beaver Valley Power Station

ATTACHMENT 1

Weekly Dissolved Oxygen Monitoring Results at Outfall 001

The following supplemental dissolved oxygen monitoring data for Outfall 001 is provided as agreed.

SAMPLE DATE	SAMPLE TIME	VALUE	UNITS
08/04/2019	08:10:00 AM	7.00	mg/L
08/11/2019	09:00:00 AM	8.00	mg/L
08/18/2019	08:13:00 AM	8.00	mg/L
08/25/2019	10:15:00 AM	8.00	mg/L

- Attachment 1 END -



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>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				2019	08	01	TO 2019 08 31
PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER²				
Total Residual Chlorine	SM 4500-CL G [20 th]	Beaver Valley Power Station	04-2742				
Free Available Chlorine	SM 4500-CL G [20 th]	Beaver Valley Power Station	04-2742				
pH	SM 4500-H+ B [20 th]	Beaver Valley Power Station	04-2742				
Temperature	SM 2550 B [20 th]	Beaver Valley Power Station	04-2742				
Flow	NA	Beaver Valley Power Station	04-2742				
Total Suspended Solids (TSS)	SM 2540 D [20 th]	Beaver Valley Power Station	04-2742				
Quaternary Amine Compounds	Photometric Determination 1/2-CHM-ANA-4.23H	Beaver Valley Power Station	04-2742				
Bentonite Detoxicant	Estimated using feed rate and discharge flow rate per NPDES Permit PA0025645	Beaver Valley Power Station	04-2742				
Hydrazine	ASTM D1385-01	Beaver Valley Power Station	04-2742				

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

Name/Title Principal Executive Officer

Matthew J. Enos
General Plant Manager

Phone: 724-682-7773

Date: 9/18/17

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

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

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



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

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				2019	08	01	TO 2019 08 31
PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER²				
Zinc	EPA 200.7 Rev 4.4	Test America-Pittsburgh Lab	02-00416				
Copper	EPA 200.7 Rev 4.4	Test America-Pittsburgh Lab	02-00416				
Iron	EPA 200.7 Rev 4.4	Test America-Pittsburgh Lab	02-00416				
Chromium	EPA 200.7 Rev 4.4	Test America-Pittsburgh Lab	02-00416				
Ammonia	SM 4500 NH3 F	Test America-Pittsburgh Lab	02-00416				
Cyanide	SM 4500-CN E	Test America-Pittsburgh Lab	02-00416				
Chlorobenzene	EPA 624	Test America-Pittsburgh Lab	02-00416				
Oil and Grease	EPA 1664 Rev A	Test America-Canton Lab	68-00340				
Copper	EPA 200.8	Test America-Pittsburgh Lab	02-00416				
	* 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: 9/18/19

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.



**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: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	SAMPLE MEASUREMENT	***	***		***	***	8.00		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	***	Monitor & Report Daily Max	mg/L	Monitor & Report	Monitor & Report
pH (00400)	SAMPLE MEASUREMENT	***	***		7.9	***	8.5		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	34.4	35.8		***	***	***		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	.06		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: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

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

003
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	TO	2019	08	31	

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.12	.244		***	***	***		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: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.6	***	8.6		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	13.5	23.1		***	***	***		1/week	Measured
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	<.04	.08		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	<.03	.06		1/week	Grab
	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: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.002	.016	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: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
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

008
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	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: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.4	***	7.7		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Clamtrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	GG	GG			
	PERMIT REQUIREMENT	***	***		***	.034 Avg Mo	.034 Daily Max	mg/L	Daily when Discharging	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	4	4.6		***	***	***		1/week	Measured
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		1/week	Grab
	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

011
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31
			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		***	***	***		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

012
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		8.1	***	8.1		1/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst. Min.	***	9.0 IMAX	S.U.	1/month	Grab
Copper, Total (01042)	SAMPLE MEASUREMENT	***	***		***	<.026	.026		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***	.031	.034		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	***	***		***	250	260		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				013			
PERMIT NUMBER				OUTFALL NUMBER			

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

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	***	***		6.8	***	7.4		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Cyanide, Total (00720)	SAMPLE MEASUREMENT	***	***		***	<.01	<.01		2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
Chlorobenzene (34301)	SAMPLE MEASUREMENT	***	***		***	<.001	<.001		2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
Copper, Total (01042)	SAMPLE MEASUREMENT	***	***		***	<.025	<.025		2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
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				101			
PERMIT NUMBER				OUTFALL NUMBER			

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 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	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 MAX	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: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.6	***	7.9		2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst. Min	***	9.0 IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	11.9	17.2		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		***	***	***		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: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.2	***	7.9		2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<13.4	22.8		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	.106	.188		***	***	***		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: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01		2019	08	31

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.8	***	8.6		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.2	<5.3		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

DISCHARGE MONITORING REPORT (DMR)

NAME: FIRSTENERGY NUCLEAR OPR CO

ADDRESS: 76 S MAIN ST, AKRON, OH , 44308

FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077

STAGE: Final Effluent

PA0025615
PERMIT NUMBER

113
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	.043 Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	1.4 Avg Mo	3.3 IMAX	mg/L	2/month	Grab
Fecal Coliform (74055)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	200 Geo Mean	***	No./100 ml	2/month	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	25.0 Avg Mo	50.0 Daily Max	mg/L	2/month	8-Hr Composite
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				203			
PERMIT NUMBER				OUTFALL NUMBER			

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 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	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	.023 Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	1.4 Avg Mo	3.3 IMAX	mg/L	2/month	Grab
Fecal Coliform (74055)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	200 Geo Mean	***	No./100 ml	2/month	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	25.0 Avg Mo	50.0 Daily Max	mg/L	2/month	8-Hr Composite
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		211	
PERMIT NUMBER		OUTFALL NUMBER	

MONITORING PERIOD								
YEAR		MO	DAY		YEAR		MO	DAY
2019		08	01	FROM	2019		08	31
				TO				

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 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	***	***		6.8	***	7.5		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<5.1	6.0		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.2	<5.3		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

DISCHARGE MONITORING REPORT (DMR)

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

PA0025615
PERMIT NUMBER

213
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	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
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	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

301
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	TO	2019	08	31	

FROM

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	***	***		***	<5.2	<5.2		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

303
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		6.3	***	6.9		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	16.0	17.2		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.1	<5.1		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.007	.056		***	***	***		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

313
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		6.8	***	7.4		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<10.3	28.0		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.2	<5.3		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

DISCHARGE MONITORING REPORT (DMR)

NAME: FIRSTENERGY NUCLEAR OPR CO

ADDRESS: 76 S MAIN ST, AKRON, OH , 44308

FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077

STAGE: Final Effluent

PA0025615
PERMIT NUMBER

401
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31 TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		8.7	***	8.9		2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	Monitor & Report IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.2	<5.2		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				403			
PERMIT NUMBER				OUTFALL NUMBER			

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 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	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
Clamtrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	.001 Avg Mo	.001 Daily Max	mg/L	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	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
Hydrazine (81313)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	.001 Avg Mo	.001 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

413
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31
			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	***	IMAX			
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			
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				501			
PERMIT NUMBER				OUTFALL NUMBER			

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 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
----------	---------------	-------------------------------	-------------------------



**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	001	Reporting Frequency: <u>Monthly</u>
PERMIT NUMBER	OUTFALL NUMBER	DMR Effective From: <u>08/01/2019</u>
MONITORING PERIOD		DMR Effective To: <u>08/31/2019</u>
YEAR	MO	DAY
2019	08	01
TO	YEAR	MO
	2019	08
		31
Permit Expires: <u>12/27/2006</u>		Permit Application Due: <u>06/30/2006</u>
No Discharge: <input type="checkbox"/>		

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	SAMPLE MEASUREMENT	***	***		***	***	8.00		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	***	Monitor & Report Daily Max	mg/L	Monitor & Report	Monitor & Report
pH (00400)	SAMPLE MEASUREMENT	***	***		7.9	***	8.5		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	34.4	35.8		***	***	***		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	.06		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	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.007 Avg Mo	.007 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

002
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31
			TO			

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



**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: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.12	.244		***	***	***		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: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD								
YEAR		MO	DAY		YEAR		MO	DAY
2019		08	01		2019		08	31
FROM				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	***	8.6		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	13.5	23.1		***	***	***		1/week	Measured
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	<.04	.08		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	<.03	.06		1/week	Grab
	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: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD									
YEAR	MO	DAY		YEAR	MO	DAY			
2019	08	01	FROM	2019	08	31	TO		

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



**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: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
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

008
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	TO	2019	08	31

FROM

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.	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: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.4	***	7.7		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Clamtrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	GG	GG			
	PERMIT REQUIREMENT	***	***		***	.034 Avg Mo	.034 Daily Max	mg/L	Daily when Discharging	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	4	4.6		***	***	***		1/week	Measured
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		1/week	Grab
	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

011
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31
			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		***	***	***		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

012
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		8.1	***	8.1		1/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/month	Grab
Copper, Total (01042)	SAMPLE MEASUREMENT	***	***		***	<.026	.026		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***	.031	.034		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	***	***		***	250	260		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				013			
PERMIT NUMBER				OUTFALL NUMBER			

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 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	***	***		6.8	***	7.4		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Cyanide, Total (00720)	SAMPLE MEASUREMENT	***	***		***	<.01	<.01		2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
Chlorobenzene (34301)	SAMPLE MEASUREMENT	***	***		***	<.001	<.001		2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
Copper, Total (01042)	SAMPLE MEASUREMENT	***	***		***	<.025	<.025		2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
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	101	Reporting Frequency: <u>Monthly</u>
PERMIT NUMBER	OUTFALL NUMBER	DMR Effective From: <u>08/01/2019</u>
		DMR Effective To: <u>08/31/2019</u>
		Permit Expires: <u>12/27/2006</u>
		Permit Application Due: <u>06/30/2006</u>
		No Discharge: <input checked="" type="checkbox"/>

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst. Min	***	9.0 MAX	S.U.	1/week	Grab
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: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.6	***	7.9		2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	11.9	17.2		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		***	***	***		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: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.2	***	7.9		2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<13.4	22.8		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	.106	.188		***	***	***		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: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.8	***	8.6		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.2	<5.3		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

DISCHARGE MONITORING REPORT (DMR)

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

PA0025615
PERMIT NUMBER

113
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	.043 Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	1.4 Avg Mo	3.3 IMAX	mg/L	2/month	Grab
Fecal Coliform (74055)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	200 Geo Mean	***	No./100 ml	2/month	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	25.0 Avg Mo	50.0 Daily Max	mg/L	2/month	8-Hr Composite
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: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***		S.U.		
	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	***	***		***	200 Geo Mean	***		2/month	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	***	***		***			mg/L		
	PERMIT REQUIREMENT	***	***		***	25.0 Avg Mo	50.0 Daily Max		2/month	8-Hr Composite
Facility Comments										



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

DISCHARGE MONITORING REPORT (DMR)

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

PA0025615
PERMIT NUMBER

211
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		6.8	***	7.5		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<5.1	6.0		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.2	<5.3		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

DISCHARGE MONITORING REPORT (DMR)

NAME: FIRSTENERGY NUCLEAR OPR CO

ADDRESS: 76 S MAIN ST, AKRON, OH , 44308

FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077

STAGE: Final Effluent

PA0025615
PERMIT NUMBER

213
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	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
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	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

301
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	TO	2019	08	31

FROM

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	***	***		***	<5.2	<5.2		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

303
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD							
YEAR				MO			
DAY				YEAR			
TO				MO			
2019				08			
01				DAY			
FROM				2019			
				08			
				31			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		6.3	***	6.9		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	16.0	17.2		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.1	<5.1		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.007	.056		***	***	***		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

313
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 08/01/2019

DMR Effective To: 08/31/2019

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		6.8	***	7.4		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<10.3	28.0		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.2	<5.3		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

DISCHARGE MONITORING REPORT (DMR)

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

PA0025615
PERMIT NUMBER

401
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		8.7	***	8.9		2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	Monitor & Report IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.2	<5.2		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: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	FROM	2019	08	31
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		6.0 Inst. Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
Clamtrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	.001 Avg Mo	.001 Daily Max	mg/L	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	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
Hydrazine (81313)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	.001 Avg Mo	.001 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				413			
PERMIT NUMBER				OUTFALL NUMBER			

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	TO

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 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	***	***		6.0	***	9.0	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		Inst Min	***	IMAX			
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

501
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2019
 DMR Effective To: 08/31/2019
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2019	08	01	FROM	2019	08	31	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										

COMMENT DETAILS

COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER
----------	---------------	-------------------------------	-------------------------