

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

June 24, 2019 L-19-165

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 May 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,

Rod L. Penfield  $^{\nu}$ General Plant Manager

JELS NRR

Beaver Valley Power Station, Unit Nos. 1 and 2 L-19-165 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-19-165 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
05/05/2019	10:15:00 AM	7.00	mg/L
05/12/2019	08:00:00 AM	7.00	mg/L
05/19/2019	08:15:00 AM	7.00	mg/L
05/26/2019	07:40:00 AM	7.00	mg/L

- Attachment 1 END -

3800-FM-WSFR0189 Rev. 3/2009



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

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

Permittee Name:	FirstEnergy	Nuclear Operating Company	·						
		interioral operating company							
Address:	<u>P.O. Box 4</u>								
		rt, PA 15077	·	<u></u>					
	Beaver Vall	ey Power Station							
	PERMIT N	UMBER			MONITO Year/	RING F Month/			
	PA0025	5615	2019	05	01	то	2019	05	31
						an a		2	X64.00907502
PARAMET	ER	ANALYSIS METHOD		LAB NAME			LABI	D NUMBE	R <sup>2</sup>
Total Residual (	Chlorine	SM 4500-CL G [20 <sup>th</sup> ]	Beaver V	alley Powe	r Station		C	)4-2742	
Free Available (	· · · · · · · · · · · · · · · · · · ·	SM 4500-CL G [20 <sup>14</sup> ]	Beaver V	alley Powe	r Station			)4-2742	
рН		SM 4500-H+ B [20 <sup>th</sup> ]	Beaver V	alley Powe	r Station		C	)4-2742	
Temperatu	Jre	SM 2550 B [20 <sup>th</sup> ]	Beaver V	alley Powe	r Station		C	4-2742	
Flow		NA	Beaver V	alley Powe	r Station		C	)4-2742	
Total Suspended S	olids (TSS)	SM 2540 D [20 <sup>th</sup> ]	Beaver V	alley Powe	r Station		Ó	4-2742	
Quaternary Amine 0	Compounds	Photometric Determination	Beaver V	alley Powe	r Station		0	4-2742	
		1⁄2-CHM-ANA-4.23H							
Bentonite Detc	oxicant	Estimated using feed rate and discharge flow rate per NPDES Permit PA0025645	Beaver V	alley Power	Station		0	4-2742	
Hydrazine	9	ASTM D1385-01	Beaver V	alley Power	Station		0	4-2742	
			-						

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

Phone: 724-682-7773

Rod L. Penfield General Plant Manager

6/21 Date:

Signature of Principal Executive Officer or Authorized /Agent

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

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

3800-FM-WSFR0189 Rev. 3/2009

pennsylvania

PARTMENT OF ENVIRONMENTAL PROTECTION



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

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

Permittee Name:	FirstEnergy	Nuclear Operating Company							
Address:	P.O. Box 4 Shippingpor Beaver Vall	t, PA 15077 ey Power Station							
	PERMIT N	JMBER			MONITO Year/	RING F Month/			
	PA0025	615	2019	05	01	то	2019	05	31
PARAMET	rer	ANALYSIS METHOD					LAB I	DNUMBE	R <sup>2</sup>
Zinc		EPA 200.7 Rev 4.4	Test Ar	nerica-Can	ton Lab		6	8-00340	
Copper	••••	EPA 200.7 Rev 4.4	Test Ar	merica-Can	on Lab		6	8-00340	
Iron		EPA 200.7 Rev 4.4	Test Ar	nerica-Cant	on Lab		6	8-00340	
Chromiu	m	EPA 200.7 Rev 4.4	Test Ar	nerica-Cant	on Lab		6	8-00340	
Ammoni	a	SM 4500 NH3 F	Test Ar	nerica-Cant	on Lab	,	6	8-00340	
Cyanide	•	SM 4500-CN E		nerica-Cant			6	8-00340	÷
Chlorobenz	ene	EPA 624	Test Ar	nerica-Cant	on Lab		6	8-00340	
Oil and Gre	ase	EPA 1664 Rev A	Test Ar	nerica-Cant	on Lab			8-00340	
Copper	· · · ·	EPA 200.8		nerica-Cant				8-00340	
Total Dissolved	Solids	SM 2540 C *		rgy Corp-B			6	3-01120	
					· · · ·				
		* 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

Rod L. Penfield **General Plant Manager** 

Date:

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

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

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

4

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	]	PA	002561	5	]		001		Reporting Frequency:	Monthly
ADDRESS	: 76 S MAIN ST, AKRON, OH , 44308	ŀ	PERMI	T NUM	BER	1		ILL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	-				-	_			DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA , 15077				MON	TORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	от	2019	05	31	No Discharge:	

PARAMETER		QUANTT	TY OR LOADING		(	QUANTITY OR CO	ONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
	SAMPLE MEASUREMENT	***	***	1	***	***	7.0		1/week	Grab
Dissolved Oxygen (00300)	PERMIT REQUIREMENT			2			Monitor & Report	mg/L	Monitor & Report	Monitor & Report
	SAMPLE MEASUREMENT	***	***		7.6	***	8.0		1/week	Grab
рН (00400)	PERMIT REQUIREMENT.	in 1888. ₩			6.0 Inst Min		9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	GG	GG			
Ammonia-Nitrogen (00610)	PERMIT REQUIREMENT	***	<b>***</b>		***	Monitor & Report : Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	GG `	GG			
Clamtrol CT-1 (04251)	PERMIT REQUIREMENT	***		-		.034 Avg Mo	.034 Daily Max	mg/L	See Permit	24-Hr Composite
	SAMPLE MEASUREMENT	24.6	30.6		***	***	***		Continuous	Measured
Flow (50050)	PERMITREQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	**	***	***		Continuous	Measured
	SAMPLE MEASUREMENT	***	***		***	<.05	.15		1/week	Grab
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT.	<b>****</b>				.5 Avg Mo	1:25 IMAX	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<.06	.18		Continuous	Recorded
Free Available Chlorine (50064)	PERMITREQUIREMENT	* <b>**</b>				.2 Avg Mo	.5 Daily Max	mg/L	Continuous	Recorded

•

DEPARTMENT OF ENVIRONMENTAL PROTECTION

1

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

# DISCHARGE MONITORING REPORT (DMR)

PARAMETER		QUAN	TITY OR LOA	DING	QUAI	NTITY OR CO	ONCENTRAT	TION	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
	SAMPLE MEASUREMENT	***	***		***	GG	GG			
Hydrazine (81313)	PERMIT REQUIREMENT				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	.007 Avg Mo	.007 Daily Max	mg/L	1/week	Grab
Facility Comments								_		

,

•

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

# DISCHARGE MONITORING REPORT (DMR)

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5	]	[	002	~	Reporting Frequency:	Monthly
ADDRESS	: 76 S MAIN ST, AKRON, OH , 44308		PERM	IT NUM	BER	1	OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					-1	L			DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONT	FORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
	,	FROM	2019	05	01	то	2019	05	31	No Discharge:	

1	PARAMETER		QUANTI	TY OR LOADING		QUAN	TITY OR CO	DNCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
			VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAME LINGT ALCOLAGT	
		SAMPLE MEASUREMENT	.006	.046		***	***	***		1/week	Estimate
	Flow (50050)	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD			**		1/week	Estimate
	Facility Comments										

λ.

Pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	. [	PA	002561	5	]		003		Reporting Frequency	Monthly	
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM	T NUM	BER	1	OUTFA		BER	DMR Effective From:	05/01/2019	
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	·				-				DMR Effective To:	05/31/2019	
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA , 15077				MONIT	TORING	PERIOD			Permit Expires:	12/27/2006	
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application D	ue: 06/30/2006	
		FROM	2019	05	01	то	2019	05	31	No Discharge:		
	PARAMETER	QL		RLO		1				NCENTRATION	AMPLING FREQUENCY	SAMPLING TYPE

PARAMETER									SAMPLING FREQUENCY	SAMPLING TYPE
	,	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
	SAMPLE MEASUREMENT	.143	.293		***	***	***		2/month	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD		***			2/month	Estimate
Facility Comments	· · · · · · · · · · · · · · · · · · ·									

•

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	· [	PA	002561	5			004		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	TNUME			 OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	L	,							DMR Effective To:	05/31/2019
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077			,	ΜΟΝΠ	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANT	TY OR LOADING		QUAN	TITY OR C	ONCENTR/	TION	SAMPLING FREQUENCY	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLINGTIFE
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT	2. 	····		6.0 Inst Min	***	9,0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT				***	***	***			
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg:Mo	Monitor & Report Daily Max	MGD	***	- 10 <b>- 1</b> - 10 - 10 - 10 - 10 - 10 - 10 - 10 -			1/week	Measured
	SAMPLE MEASUREMENT	***	***		***					
Total Residual Chlorine (TRC) (50060)	PERMITREQUIREMENT	***	***		***	.5 Avg Mö	1:25 IMAX	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***					
Free Available Chlorine (50064)	PERMITREQUIREMENT	***	1 <b></b>		***	.2 Avg Mo	.5 Daily Max	mg/L	1/week	Grab
Facility Comments		<u> </u>		•				·		

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	[	PA	002561	 5	]		006		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	Ì	PERMI	T NUM	 3ER		OUTFA		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA , 15077				MONT	TORING	PERIOD	_		Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
	· · ·	FROM	2019	05	01	то	2019	05	31	No Discharge:	
										-	

PARAMETER		QUANT	TY OR LOADING		QUAN	TITY OR CO	DNCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	OAMPENGT REQUENCT	
	SAMPLE MEASUREMENT	.002	.016		***	***	***		1/week	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD					1/week	Estimate
Facility Comments										

• •

•

DEPARTMENT OF ENVIRONMENTAL PROTECTION

\_\_\_\_

the second se

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

# DISCHARGE MONITORING REPORT (DMR)

NAME:	FIRSTENERGY NUCLEAR OPR CO	]	PA	0025615	;			007		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	-	PERMI	TNUME	ER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
	· · · · · · · · · · · · · · · · · · ·	FROM	2019	05	01	то	2019	05	31	No Discharge:	P
										•	

PARAMETER		QUANT	TY OR LOADING		QUAN	TITY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAWFLING FREQUENCT	
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min	<b>***</b>	9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT				***	***	***			
Flow (50050)	PERMITREQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD		200 <b>444</b>			1/week	Eštimate
	SAMPLE MEASUREMENT	***	***	]	***					
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT	***		e I	***	.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		······································	• • • • • • • • • • • • • • • • • • • •						· · · · · · · · · · · · · · · · · · ·	· <u> </u>

)

.

•

#### Pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	ĺ	PA	002561	5			008		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUME	BER		OUTFAI	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD	_		Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	ITTY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		SAME LING THE
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT		•••		6.0 Inst Min		9.0 IMAX	S.U.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***					
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg.Mo	100.0 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***	_	***				·	
Oil and Grease (00556)	PERMIT REQUIREMENT					15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD	27. <b>144</b> 27. 14	7-4	1997 <b>- 199</b> 7 - 1997 -		1/week	Estimate
Facility Comments		~								

•

Pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

# **DISCHARGE MONITORING REPORT (DMR)**

NAME:	FIRSTENERGY NUCLEAR OPR CO		 PA	002561	5			010		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1		_							DMR Effective To:	05/31/2019
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA , 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	_31	No Discharge:	<u> </u>

PARAMETER		QUANT	TY OR LOADING		QUAN	ITITY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING I NEQUENCI	
	SAMPLE MEASUREMENT	***	***		7.2	***	7.4		1/week	Grab
pH (00400)	PERMITREQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	s 1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	GG	GG			
Clamtrol CT-1 (04251)	PERMIT REQUIREMENT				1. 	.034 Avg Mo	.034 Daily Max	mg/L	Daily when Discharging	24-Hr.Composite
	SAMPLE MEASUREMENT	3,168			***	***	***		1/week	Measured
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD	***				1/week	Measured
	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		1/week	Grab
Total Residual Chlorine (TRC) (50060)	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				-						

Privacy Policy | Security Policy Copyright ©2016 Commonwealth of Pennsylvania. All Rights Reserved

•

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	]	PA	002561	5			011	]	Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM	TNUM	BER		OUTFAI	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	· · · ·					<b></b>			DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	MO	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	
r											

PARAMETER		QUANTITY OR LOADING				TITY OR CO	NCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
TANAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLINGTREQUENCT	SAME CING THE
	SAMPLE MEASUREMENT	.004	.004		***	***	***		1/week	Estimate
Flow (50050)	PERMITREQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD					1/week	Estimáte
Facility Comments										



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

NAME:	FIRSTENERGY NUCLEAR OPR CO	ſ	PA	0025615	;			012		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	ľ	PERMI	TNUME	BER		OUTFAL		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	L				L				DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077	[			MONITO	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANTT	TY OR LOADING			QUANTITY OR CO	ONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
FARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPEINGFREQUENCE	SAMPLING TIPE
	SAMPLE MEASUREMENT	***	***		7.7	***	7.7	<u> </u>	1/month	Grab
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	1/month	Grab
	SAMPLE MEASUREMENT	***	***		***	<.025	<.025		2/month	Grab
Copper, Total (01042)	PERMIT REQUIREMENT					Monitor & Report Avg Mo	Monitor & Report - Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	<.05	<.05		2/month	Grab
Zinc, Total (01092)	PERMIT REQUIREMENT					1:5 Avg Mo	1:5 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	.001	.001		***	***	***		1/month	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD		<b>***</b>			1/month	Estimate
	SAMPLE MEASUREMENT	***	***		***	228	232		2/month	Grab
Total Dissolved Solids (70295)	PERMIT REQUIREMENT					Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	Grab
Facility Comments										

.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5			013		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM		BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA , 15077					ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING	-	(	QUANTITY OR CO	DNCENTRATION	_	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMELING FREQUENCE	SAWFLING HE
	SAMPLE MEASUREMENT	***	***		6.4	***	7.0	ļ	1/week	Grab
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min	<b>***</b>	9.0- IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<.01	<.01		2/month	24-Hr Composite
Cyanide, Total (00720)	PERMITREQUIREMENT					Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
	SAMPLE MEASUREMENT	***	***		***	<.005	<.005		2/month	24-Hr Composite
Chlorobenzene (34301)	PERMIT REQUIREMENT	<b>***</b>	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
	SAMPLE MEASUREMENT	***	***		***	<.019	<.025		2/month	24-Hr Composite
Copper, Total (01042)	PERMIT REQUIREMENT			}		Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
	SAMPLE MEASUREMENT	.002	.002		***	***	***		2/month	Estimate
Flow.(50050)	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report	MGD		<b>***</b>	<b></b>		2/month	Estimate
Facility Comments	Laboratory utilized two methods limits,	for Copper analysis	during May 2019. An	alysis me	thod 200.7	R4.4 was used for o	ne sample while met	hod 200.8	3 was performed on the second, result	ing in varying reporting

•

Pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	ſ	PA	002561	5			101		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	Ī	PERMI	T NUME	BER			L NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	-	_							DMR Effective To:	05/31/2019
	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING			QUANTITY OR CO	ONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
FARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLINGTINEQULINGT	JAMPEING THE
	SAMPLE MEASUREMENT	***	***			***		[		
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***	1	***			]		
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Composite
	SAMPLE MEASUREMENT	***	***	1	***			]		
Oil and Grease (00556)	PERMIT REQUIREMENT					15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***					
Ammonia-Nitrogen (00610)	PERMIT REQUIREMENT					Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT			<u> </u>	***	***	***	]		
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***			_	Continuous	Measured
	SAMPLE MEASUREMENT	***	***	<u> </u>	***					
Hydrazine (81313)	PERMIT REQUIREMENT			4		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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5			102		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERMI	T NUMI	BER		OUTFAL	L NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077			_	MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	n

PARAMETER		QUANTI	TY OR LOADING		QUANTITY OR CONCENTRA				SAMPLING FREQUENCY	SAMPLING TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCE	SAMPLINGTIFE	
	SAMPLE MEASUREMENT	***	***		7.2	***	7.9		2/month	Grab	
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min	***	9.0 IMAX	S.U.	2/month	Grab	
	SAMPLE MEASUREMENT	***	***		***	4.7	5.2		2/month	Grab	
Total Suspended Solids (00530)	PERMIT REQUIREMENT	***			1. 1. 1.	30.0 Avg Mo	100,0 Daily Max	mg/L	2/month	Grab	
	SAMPLE MEASUREMENT	***	***		***	<5.5	<5.5		2/month	Grab	
Oil and Grease (00556)	PERMIT REQUIREMENT					15 Avg Mo	20 Daily Max	mg/L	2/month	Grab	
	SAMPLE MEASUREMENT	.001	.001		***	***	***		2/month	Estimate	
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					2/month	Estimate	
Facility Comments						<u></u>					

.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	Γ	PA	002561	5			103		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	Ì	PERMI	TNUM	BER		OUTFAL	 .1. NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1							_		DMR Effective To:	05/31/2019
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077	[			MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANT	TY OR LOADING		QUAN	ITTY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE <sup>×</sup>	UNITS	VALUE	VALUE	VALUE	UNITS	SAMELING FREQUENCT	SAMPLING TIPE
	SAMPLE MEASUREMENT	***	***		6.8	***	7.5		- 2/month	Grab
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S,U.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	<7.1	10.1		2/month	24-Hr Composite
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	24-Hr Composite
	SAMPLE MEASUREMENT	.129	.237		***	***	***		2/month	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD		<b>***</b>	***		2/month	Estimate
Facility Comments										

٠

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	. [	PA	002561	5	[		111		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	T NUME			OUTFA		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	L								DMR Effective To:	05/31/2019
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077		_		MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY	2	YEAR	мо	DAY	Permit Application Due:	06/30/2006
	· · · ·	FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	TITYORC	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
	SAMPLE MEASUREMENT	***	***		7.9	***	8.7		1/week	Grab
pH (00400)					6.0 Inst Min		9.0 IMAX	s.u.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		1/week	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<5.6	<6.1		1/week	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT					15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD					1/week	Estimate
Facility Comments										·

.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

۰,

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	]	PA	002561	5	Í		113		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	ĺ	PERM		BER		OUTFAL		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	L								DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent	· · [	YEAR	мо	DAY	_	YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	9
										0	

PARAMETER		QU	ANTITY OR LOAD!	١G	QUA	NTITYOR	CONCENTR	ATION	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCT	SAWFLINGTTE
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMITREQUIREMENT				6.0 Inst Min	<b>844</b> 8	9.0 IMAX	S.U.	2/month	Grab
· · · ·	SAMPLE MEASUREMENT	***	***		***					
Total Suspended Solids (00530)	PERMIT REQUIREMENT:				***	30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite
	SAMPLE MEASUREMENT				***	***	***			
Flow (50050)	PERMIT REQUIREMENT	.043 Avg Mo	Monitor & Report Daily Max	MGD	***		***		1/week	Measured
	SAMPLE MEASUREMENT	***	***		***					
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT	***			1 <b>***</b>	1.4 Avg Mo	3.3 IMAX	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***		***		·	
, Fecal Coliform (74055)	PERMIT REQUIREMENT					200 Geo Méan	***	No./100 mł	2/month	Gráb
Carbonaceous Biochemical Oxygen Demand	SAMPLE MEASUREMENT	***	***		***					
(CBOD5) (80082)	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	ſ	PA	0025615	;	[		203		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	ŀ	PERM	TNUME	ER		OUTFA		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	L								DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA , 15077	[	_		MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER			ANTITY OR LOAD!	NG	QUA	NTTY OR (	CONCENTR	RATION	SAMPLING FREQUENCY	SAMPLING TYPE
FANAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		SAMPLING THE
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min	100 March 2014 100 March 100 Mar 100 March 100	9.0 IMAX	S.U.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***					
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite
	SAMPLE MEASUREMENT				***	***	***		· · · · · · · · · · · · · · · · · · ·	
Flow (50050)	PERMIT REQUIREMENT	.023 Avg Mo	Monitor & Report	MGD	***				1/week	Measured
	SAMPLE MEASUREMENT	***	***		***					
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT				***	1.4 Avg Mo	3.3 IMAX	mg/L	/2/month	Grab
	SAMPLE MEASUREMENT	***	***		***		***		· · · · ·	
Fecal Coliform (74055)	PERMIT REQUIREMENT				1	200 Geo Mean		No./100 ml	2/month	Grab
Carbonaceous Biochemical Oxygen Demand	SAMPLE MEASUREMENT	***	***		***					
(CBOD5) (80082)	PERMIT REQUIREMENT	199 <b>444</b>				25.0 Avg Mo	50.0 Daily Max	mg/L	2/month	8-Hr Composite
Facility Comments		•	<u>,                                     </u>	·		·				<u>.                                    </u>

.

.

DEPARTMENT OF ENVIRONMENTAL -PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO		 PA	002561	5			211		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM	T NUMI			OUTFA		BFR	DMR Effective From:	05/01/2019
FACILITY: ·	FIRSTENERGY BEAVER VALLEY POWER STATION 1	I I								DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077	ĺ			MONIT	ORING	PERIOD		]	Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	MO	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	
			_								

PARAMETER		QUANT	TY OR LOADING		QUAN	TITY OR CO	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		SAME LING THE
	SAMPLE MEASUREMENT	***	***		7.1	***	7.6	_	1/week	Grab
pH (00400)	PERMIT REQUIREMENT		***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	,Grab
	SAMPLE MEASUREMENT	***	***		***	<4.2	4.9		1/week	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<5.7	<5.9		1/week	Grab
Oil and Grease (00556)	PERMITREQUIREMENT	***	***		<b>***</b>	15 Avg Mo	20 Daily Max	mg/L.	1/week	Grab
	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD		2. 	***		1/week	Estimate
Facility Comments		<u> </u>	· · · · · · · · · · · · · · · · · · ·							· <u> </u>

Pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

# DISCHARGE MONITORING REPORT (DMR)

NAME:	FIRSTENERGY NUCLEAR OPR CO			PA	002561	5	1	·	213		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308			PERM	IT NUM	BER		OUTFA		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1						-	<b></b>			DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA , 15077	<u> </u>				ΜΟΝΠ	roring	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent			YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
			FROM	2019	05	01	то	2019	05	31	No Discharge:	
											ů.	

PARAMETER		QUANT	TY OR LOADING		QUAN	ITITY OR C	ONCENTRA		SAMPLING FREQUENCY	SAMPLING TYPE
FARMETER	*	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	
	SAMPLE MEASUREMENT	***	***			***				
рН (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***					
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***					
Cil and Grease (00556)	PERMIT REQUIREMENT					15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT				***	***	***			
Flow (50050)	PERMITREQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					1/week	Estimate
	SAMPLE MEASUREMENT	***	***		***					
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT			2		.5 Avg Mo	1.25 IMAX	mg/L	2/month	Grab
Facility Comments										

.



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

NAME:	FIRSTENERGY NUCLEAR OPR CO	Γ	PA	002561	5			301	]	Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308	F	PERMI	TNUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	L								DMR Effective To:	05/31/2019
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	ITITY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCI	SAMPLINGTTPE
	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		2/month	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	<5.9	<6.2		2/month	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT		<b>***</b>			15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	.001	.001		***	***	***		1/week	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD		***			1/week	Estimate
Facility Comments					· · · · · · · · · · · · · · · · · · ·				······································	

.

.



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

,

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5		[	303	_	Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM	IT NUM	JER		OUTFA		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA , 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	MO	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	от	2019	05	31	No Discharge:	
							•				

PARAMETER		QUANTI	TYORLOADING		QUAN	TTTY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FANAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		SAMPLING THE
<u></u>	SAMPLE MEASUREMENT	***	***		6,8	***	8.6		1/week	Grab
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<5.1	6.7		1/week	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT				<b></b>	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<5.6	<5.7		1/week	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT					15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	.014	.056		***	***	***		1/week	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD	***	***	1997 - 1997 -		1/week	Estimate
Facility Comments		• • • • • • • • • • • • • • • • • • • •					·^	-		• <u> </u>

.



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

NAME:	FIRSTENERGY NUCLEAR OPR CO	I	PA	002561	5			313		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH, 44308	Ì	PERMI	TNUME	BER		outfa		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					I I				DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANT	TY OR LOADING		QUAN	TITY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE	
				VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAWFLINGTIFE		
	SAMPLE MEASUREMENT	***	× ***		6,4	***	7.0		1/week	Grab	
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S,U.	1/week	Grab	
	SAMPLE MEASUREMENT	***	***		***	<7.9	12.5		1/week	Grab	
Total Suspended Solids (00530)	PERMIT REQUIREMENT.					30:0 Avg Mo	100.0 Daily Max	mg/L.	1/week	Grab	
	SAMPLE MEASUREMENT	***	***		***	<5.6	<5.9	,	1/week	Grab	
Oil and Grease (00556)	PERMIT REQUIREMENT					15 Avg Mo	20 Daily Max	mg/L	1/week	Grab	
	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate	
Flow (50050)	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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561		.		401		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM		BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077	(			MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUA		RCONCENTRATI	ON	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		SAMI LING THE
	SAMPLE MEASUREMENT	***	***		8.9	***	GG			
pH (00400)	PERMIT REQUIREMENT		**** ****	_	6.0 Inst Min	<b></b>	Monitor & Report	S.U.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		2/month	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	<5.8	<6.1		2/month	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT		***			15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	.001	.001		***	***	***		1/week	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	<b></b>		<b></b>		1/week	Estimate
Facility Comments										

.

.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	Γ	PA	0025615	5	[		403		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308	Ì	PERMI		BER		OUTFAI		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	L								DMR Effective To:	05/31/2019
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	
										-	

PARAMETER		QUANTI	TY OR LOADING		(	QUANTITY OR CO	ONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
FANAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCT	SAWFLINGTTE
	SAMPLE MEASUREMENT	***	***	1		***		1		
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	- ***	<u></u>	***					
Total Suspended Solids (00530)	PERMITREQUIREMENT				***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***					
Oil and Grease (00556)	PERMIT REQUIREMENT	***		5	1	15 Avg.Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***	]	***			]		
Ammonia-Nitrogen (00610)	PERMITREQUIREMENT	***				Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***	<u> </u>	***					
Clamtrol CT-1 (04251)	PERMITREQUIREMENT			2		.001 Avg Mo	.001 Daily Max	mg/L	Daily when Discharging	24-Hr Composite
	SAMPLE MEASUREMENT				***	***	***			
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					1/week	Estimate
	SAMPLE MEASUREMENT	***	***		***					
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT			-		.5 Avg Mo	1.25 MAX	mg/L	1/week	Grab
······	SAMPLE MEASUREMENT	***	***		***					
Hydrazine (81313)	PERMIT REQUIREMENT				***	.001 Avg Mo	.001 Daily Max	mg/L	1/week	Grab
Facility Comments						· · · · · · · · · · · · · · · · · · ·				

۰,

Pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	[	PA	0025615	5	[		413		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM		JER		OUTFAL	LNUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077	[			MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent	ĺ	YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANT	TY OR LOADING		QUAN	TITYORC	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCT	SAMPLINGTTPE
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT		***	2	6.0 Inst Min	2017 - 1925 - 2025 - 2025 2017 - 2025 - 2025 2017 - 2025 - 2025 2017 - 2025 - 2025 2017 - 2025 - 2025 - 2025	9.0 IMAX	S.U.	_1/week	Grab
	SAMPLE MEASUREMENT	***	***		***					
Total Suspended Solids (00530)	PERMITREQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***					
Oil and Grease (00556)	RERMIT REQUIREMENT				<b>1444</b>	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT				***	***	***			
Flow (50050)	PERMITREQUIREMENT	Monitor & Report	Monitor & Report	MGD					2/month	Estimate
Facility Comments		• • • • • • • • • • • • • • • • • • •	<u> </u>				· · · · · · · · · · · · · · · · · · ·	•	· · · · · · · · · · · · · · · · · · ·	

7

Pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

# DISCHARGE MONITORING REPORT (DMR)

NAME:	FIRSTENERGY NUCLEAR OPR CO	Ĩ	PA	002561	5		r	501		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	F	PERM	TNUM	JER		OUTFAI	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	L					L			DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077	[			MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	TTYORC	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FANAIVIETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCT	
	SAMPLE MEASUREMENT	***	***		***					
Total Suspended Solids (00530)	PERMITREQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT				***	***	***			
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					1/week	Estimate
Facility Comments					-					

1	COMMENT DETAILS			
	COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER

•

.



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

NAME:	FIRSTENERGY NUCLEAR OPR CO	· [	PA	0025615	5			001		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	· · · · · · · · · · · · · · · · · · ·	PERM		BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				ΜΟΝΠ	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent	-	YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	ਹ	2019	05	31	No Discharge:	
										0	

PARAMETER		QUANTT	TY OR LOADING			QUANTITY OR CO	DNCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAWFLING FREQUENCT	SAMPLINGTIFE
	SAMPLE MEASUREMENT	***	***		***	***	7.0	1	1/week	Grab
Dissolved Oxygen (00300)	PERMIT.REQUIREMENT	***				<b>***</b>	Monitor & Report Daily Max	mg/L	Monitor & Report	Monitor & Report
	SAMPLE MEASUREMENT	***	***		7.6	***	8.0		1/week	Grab
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min	<b>***</b>	9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	GG	GG			
Ammonia-Nitrogen (00610)	PERMIT REQUIREMENT				1440 CON	Monitor & Report -	Monitor & Report	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	GG	GG		·	
Clamtrol CT-1 (04251)	PERMIT REQUIREMENT				5 <b>***</b>	.034 Avg Mo	.034 Daily Max	mg/L	See Permit	24-Hr Composite
_	SAMPLE MEASUREMENT	24.6	30.6		***	***	***		Continuous	Measured
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD		<b>4</b> 4			Continuous	Measured
	SAMPLE MEASUREMENT	***	***		***	<.05	.15		1/week	Grab
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT				***	.5 Avg Mö	1.25 IMAX	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<.06	.18		Continuous	Recorded
Free Available Chlorine (50064)	PERMIT REQUIREMENT	***			***	.2 Avg Mo	.5 Daily Max	mg/L	Continuous	Recorded

,



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

PARAMETER		QUAN	TITY OR LOA	ADING	QUAN	VTITY OR CO	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
	SAMPLE MEASUREMENT	***	***		***	GG	GG			
Hydrazine (81313)	PERMIT REQUIREMENT	<b>***</b>		-	***	,007 Avg Mo	.007 Daily Max	mg/L	1/week	Grab
Facility Comments										

٩



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

NAME: FIRSTENERGY NUCLEAR OPR CO		ſ	PA0025615			[	002		Reporting Frequency:	Monthly	
ADDRESS: 76 S MAIN ST, AKRON, OH, 44308			PERMIT NUMBER			1	OUTFALL NUMBER			DMR Effective From:	05/01/2019
FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1										DMR Effective To:	05/31/2019
LOCATION: PA ROUTE 168, SHIPPINGPORT, PA, 15077			MONITORING PERIOD							Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY_		YEAR	мо	DAY	Permit Application Due:	06/30/2006
· · · · · · · · · · · · · · · · · · ·		FROM	2019 05 01		j to [	2019	05	31	No Discharge:		
		01/	JANTITY OR LOADING				QUANTITY OR CON				

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



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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA0025615 PERMIT NUMBER			1		003		Reporting Frequency:	Monthly
ADDRESS: 76 S MAIN ST, AKRON, OH, 44308						OUTFALL NUMBER			BER	DMR Effective From:	05/01/2019
FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1										DMR Effective To:	05/31/2019
LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077			MONITORING PERIOD							Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	Π
<u></u>										·····	

-	PARAMETER			TY OR LOADING	JR LOADING		TITY OR CO	DNCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE	
			VALUE	VALUE	UNITS	VALUE VALUE		VALUE	UNITS			
		SAMPLE MEASUREMENT	.143	.293	MGD	***	***	***		2/month	Estimate	
	Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		<b>###</b>				2/month	Estimate	
	Facility Comments											

.



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

NAME:	FIRSTENERGY NUCLEAR OPR CO	[	PA	002561	5			004		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	Ţ	PERMI	TNUM	BER		OUTFAI	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	-								DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANT	QUAN	ITTY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE		
FANAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCT	SAMPLINGTTPE
	SAMPLE MEASUREMENT	***	***			***		<u> </u>		
pH (00400)	PERMITREQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT				***	***	***	<u> </u>		
<ul> <li>Flow (50050)</li> </ul>	PERMITREQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD					1/week	Measured
	SAMPLE MEASUREMENT	***	***		***					
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT					.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***					
Free Available Chlorine (50064)	PERMITREQUIREMENT					.2 Avg Mo	.5 Daily Max	mg/L	1/week	Grab
Facility Comments							·····	·	······································	

.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	[	PA	002561	5			006		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	· L								DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA , 15077	[			MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	
					\						
									ORCON		

PARAMETER		QUANTI	TY OR LOADING		QUAN	TITY OR CO	DNCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
	SAMPLE MEASUREMENT	.002	.016		***	***	***		1/week	Estimate
Flow (50050)	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

.

 $\cup$ 

5

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5			007		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM	IT NUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1		<u> </u>							DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA , 15077				MONIT	ORING	PERIOD	_		Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	 0
r											

PARAMETER		QUANT	TY OR LOADING		QUAN	TTTY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCT	SAMPLINGTIFE
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT				6.0 Inst:Min		9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT				***	***	***			
Flow (50050) Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD		***		]	1/week	Estimate
	SAMPLE MEASUREMENT	***	***		***					
Total Residual Chlorine (TRC) (50060)	PERMITREQUIREMENT	***				.5 Avg Mo	1.25 IMAX	mg/L	:1/week	Grab
	SAMPLE MEASUREMENT	***	***		***					
Free Available Chlorine (50064)	PERMITREQUIREMENT					.2 Avg Mo	.5 Daily Max	mg/L	.1/week	Grab
Facility Comments										

÷



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

NAME:	FIRSTENERGY NUCLEAR OPR CO	[	PA	002561	5			008		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	Ì	PERM		BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	·								DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	от	2019	05	31	No Discharge:	Ð

PARAMETER		QUANT		QUAN	ITTY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAWFLING FREQUENCT	SAWFLINGTTE
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***					
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg.Mo	100.0 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***					
Oil and Grease (00556)	PERMIT REQUIREMENT	國行動主要				15 Avg Mo.	20 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT				***	***	***			
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD		100 (A. 1997)	***		1/week	Estimate
Facility Comments		· <u> </u>								

4

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

`.

NAME:	FIRSTENERGY NUCLEAR OPR CO	· [	PA	002561	5	[		010		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	T'NUME	BER		OUTFAI		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANT	TY OR LOADING	_	QUAN	ITTY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
	SAMPLE MEASUREMENT	***	***		7.2	***	7.4		1/week	Grab
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	GG	GG			
Clamtrol CT-1 (04251)	PERMIT REQUIREMENT				4. ****	.034 Avg Mo	.034 Daily Max	mg/L	Daily when Discharging	24-Hr Composite
	SAMPLE MEASUREMENT	3.168	3.600		***	***	***		1/week	Measured
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		1/week	Grab
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT					.5 Avg Mo	1.25 IMAX	mg/L	1/wcek	Grab
	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		1/week	Grab
Free Available Chlorine (50064)	PERMIT REQUIREMENT		<b>***</b>			.2 Avg Mo	.5 Daily Max	mg/L	1/week	Grab
Facility Comments			<u> </u>							

4



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

NAME:	FIRSTENERGY NUCLEAR OPR CO	ſ	PA	002561	5	[		011		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308	Ì	PERMI	T NUME	BER		OUTFAI	L NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	L								DMR Effective To:	05/31/2019
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077	[			MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
	· · · · · · · · · · · · · · · · · · ·	FROM	2019	05	01	ਹ	2019	05	31	No Discharge:	

PAR	AMETER		QUANT	TY OR LOADING		QUANTITY OR CONCENTRATIO				SAMPLING FREQUENCY	SAMPLING TYPE
			VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPENG TREQUENCY	
		SAMPLE MEASUREMENT	.004	.004		***	***	***		1/week	Estimate
Flo	w (50050)	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD					1/week	Estimate
Facilit	y Comments										

.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

# **DISCHARGE MONITORING REPORT (DMR)**

NAME:	FIRSTENERGY NUCLEAR OPR CO	•	PA	0025615	;			012		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	ĺ	PERMI		BER		OUTFA		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANT	<b>TY OR LOADING</b>		0	QUANTITY OR CO	ONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
FARAWETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCT	SAMPLINGTIFE
	SAMPLE MEASUREMENT	***	***		7.7	***	7.7		1/month	Grab
pH (00400)	PERMITREQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	1/month	Grab
	SAMPLE MEASUREMENT	***	***		***	<.025	<.025	,	2/month	Grab
Copper, Total (01042)	PERMIT REQUIREMENT				an a	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	<.05	<.05		2/month	Grab
Zinc, Total (01092)	PERMIT REQUIREMENT					1:5 Avg Mo	1.5 Dailý Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	.001	.001		***	***	***		1/month	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					1/month	Estimate
	SAMPLE MEASUREMENT	***	***		***	228	232		2/month	Grab
Total Dissolved Solids (70295)	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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5			013		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM		BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	· ·								DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	Π
										3	

PARAMETER		QUANTI	TY OR LOADING			QUANTITY OR CO	ONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
FANAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMELING FREQUENCE	SAMPLING HE
	SAMPLE MEASUREMENT	***	***		6.4	***	7.0		1/week	Grab
pH (00400)	PERMIT REQUIREMENT	***			6.0 Inst Min	***	9.0 IMAX	s.u.	1/week	Grab
	SAMPLE MEASUREMENT	***	***	]	***	<.01	<.01	5	2/month	24-Hr Composite
Cyanide, Total (00720)	PERMIT REQUIREMENT					Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
	SAMPLE MEASUREMENT	***	***	1	***	<.005	<.005		2/month	24-Hr Composite
Chlorobenzene (34301)	PERMIT REQUIREMENT					Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
	SAMPLE MEASUREMENT	***	***		***	<.019	<.025	[	2/month	24-Hr Composite
Copper, Total (01042)	PERMIT REQUIREMENT					Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
	SAMPLE MEASUREMENT	.002	.002		***	*** .	***		2/month	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD		<b>**</b>			2/month	Estimáte
Facility Comments	Laboratory utilized two methods limits.	for Copper analysis	during May 2019. An	alysis me	thod 200.7	R4.4 was used for o	ne sample while met	hod 200.8	3 was performed on the second, result	ing in varying reporting

•

DEPARTMENT OF ENVIRONMENTAL PROTECTION

~

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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5			101		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	Ţ	PERMI	T NUM	BER		OUTFAI	L NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	L								DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA , 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING			QUANTITY OR CO	ONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
FARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCT	SAMELINGTIFE
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT			2	6.0 Inst Min		9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***					
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Composite
	SAMPLE MEASUREMENT	***	***		***					
Oil and Grease (00556)	PERMIT REQUIREMENT					15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***					
Ammonia-Nitrogen (00610)	PERMITREQUIREMENT	***				Monitor & Report	Monitor & Report Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT			]	***	***	***	]		
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					Continuous	Measured
	SAMPLE MEASUREMENT	***	***		***					
Hydrazine (81313)	PERMIT REQUIREMENT				***	Monitor & Report Avg Mo	Monitor & Report	mg/L	1/week	Grab
Facility Comments										

•



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

NAME: FIRSTENERGY NUCLEAR OPR CO PA0025615 102 Reporting Frequency: Monthly	
ADDRESS: 76 S MAIN ST, AKRON, OH , 44308 PERMIT NUMBER OUTFALL NUMBER DMR Effective From: 05/01/2019	
FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1 DMR Effective To: 05/31/2019	
LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077 MONITORING PERIOD Permit Expires: 12/27/2006	· .
STAGE: Final Effluent YEAR MO DAY YEAR MO DAY Permit Application Due: 06/30/2006	
FROM 2019 05 01 TO 2019 05 31 No Discharge:	

PARAMETER		QUANT	TY OR LOADING		QUAN	TITY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE	
FANAMETEN		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCI		
	SAMPLE MEASUREMENT	***	***		7.2	***	7.9		2/month	Grab	
pH (00400)	PERMIT REQUIREMENT		***		6.0 Inst Min		9.0 IMAX	S.U.	2/month	Grab	
	SAMPLE MEASUREMENT	***	***		***	4.7	5.2		2/month	Grab	
Total Suspended Solids (00530)	PERMIT REQUIREMENT				78 <b>#</b> 7	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab	
	SAMPLE MEASUREMENT	***	***		***	<5.5	<5.5		2/month	Grab	
Oil and Grease (00556)	PERMIT REQUIREMENT		***	}		15 Avg Mo	20 Daily Max	mg/L	2/month	Grab	
	SAMPLE MEASUREMENT	.001	.001		***	***	***		2/month	Estimate	
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					2/month	Estimate	
Facility Comments			• • • • • • • • • • • • • • • • • • • •	•			·	·	<u> </u>	· · · · · · · ·	

۰.



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

NAME:	FIRSTENERGY NUCLEAR OPR CO	ſ	PA	002561	5			103		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	<u> </u>
r						<b>.</b>					

PARAMETER		QUANT	TY OR LOADING		QUAN	ITTY OR CO	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
	SAMPLE MEASUREMENT	***	***		6.8	***	7.5		2/month	Grab
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	<7.1	10.1		2/month	24-Hr Composite
Total Suspended Solids (00530)	PERMIT REQUIREMENT		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	24Hr Composite
	SAMPLE MEASUREMENT	.129	.237		***	***	***		2/month	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report	MGD	***				2/month	Estimate
Facility Comments										

.

\*

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

1

# DISCHARGE MONITORING REPORT (DMR)

NAME:	FIRSTENERGY NUCLEAR OPR CO	[	PA	002561	5			111		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	ĺ	PERM	T NUME	BER	1	OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077					ORING	PERIOD		_	Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	TITY OR CO	ONCENTRA	TION	SAMPLING FREQUENCY	
pH (00400) Total Suspended Solids (00530)		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
· · · · · · · · · · · · · · · · · · ·	SAMPLE MEASUREMENT	***	***		7.9	***	8.7		1/week	Grab
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		1/week	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<5.6	<6.1		1/week	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT			~		15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
Flow (50050)	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

NAME:	FIRSTENERGY NUCLEAR OPR CO	Ī	PA	002561	5			113		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERMI				OUTFA		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	L							_	DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077	[			MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY_	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	P
		-								, e 2 leonaigei	

PARAMETER	· · · · · · · · · · · · · · · · · · ·	QU,	ANTITY OR LOADIN	١G	QUA	NTITYOR	CONCENTR	RATION	SAMPLING FREQUENCY	SAMPLING TYPE	
FANAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
	SAMPLE MEASUREMENT	***	***			***					
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min	<b></b>	9.0 IMAX	S.U.	2/month	Grab	
	SAMPLE MEASUREMENT	***	***		***						
Total Suspended Solids (00530)	PERMIT REQUIREMENT				***	30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite	
	SAMPLE MEASUREMENT				***	***	***				
Flow (50050)	PERMIT REQUIREMENT	.043 Avg.Mo	Monitor & Report Daily Max	MGD	***	***			1/week	Measured	
	SAMPLE MEASUREMENT	***	***		***						
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT					1.4 Avg Mo	3.3 IMAX	mg/L	2/month	Grab	
	SAMPLE MEASUREMENT	***	***		***		***				
Fecal Coliform (74055)	PERMIT REQUIREMENT					200 Geo Mean		No./100 ml	2/month	Gráb	
Carbonaceous Biochemical Oxygen Demand	SAMPLE MEASUREMENT	***	***		***						
(CBOD5) (80082)	PERMIT REQUIREMENT					25.0 Avg Mo	50:0 Daily Max	mg/L	2/month	8-Hr Composite	
Facility Comments		<u> </u>		• • •			<u> </u>	· · · · · · · · · · · · · · · · · · ·			

•



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

NAME:	FIRSTENERGY NUCLEAR OPR CO	]	PA	002561	5			203		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA , 15077	[			MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY_		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QU	ANTITY OR LOADI	NG	QUA	NTITY OR O	CONCENTR	ATION	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCT	SAWFLINGTIFE
	SAMPLE MEASUREMENT	***	***	<u> </u>		***				
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***					
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite
	SAMPLE MEASUREMENT				***	***	***			
Flow (50050)	PERMIT REQUIREMENT	.023 Avg Mo	Monitor & Report	MGD					1/week	Measured
,	SAMPLE MEASUREMENT	***	***		***					
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT					1.4 Avg Mo	3.3 IMAX	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***		***			
Fecal Coliform (74055)	PERMIT REQUIREMENT				***	200 Geo Mean	•	No./100 ml	2/month	Grab
Carbonaceous Biochemical Oxygen Demand	SAMPLE MEASUREMENT	***	***		***					
(CBOD5) (80082)	RERMIT 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

NAME:	FIRSTENERGY NUCLEAR OPR CO	Į	PA	002561	5			211		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM		JER		OUTFAL	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	MO	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANT	TY OR LOADING		QUAN	ITTY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCI	SAME LING THE
	SAMPLE MEASUREMENT	***	***		7.1	***	7.6	_	1/week	Grab
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<4.2	4.9		1/week	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<5,7	<5.9		1/week	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT	<b>***</b>		-		15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD		1.11.11.11.11.11.11.11.11.11.11.11.11.1			1/week	Estimate
Facility Comments							•••••••••			

•

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	]	PA	002561	5	1 1		213		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM		BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	·		-/						DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				ΜΟΝΠ	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	S
										3	

PARAMETER		QUANT	TY OR LOADING		QUAN	ITITY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FANAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCT	SAMPLINGTTPE
	SAMPLE MEASUREMENT	***	***	<u> </u>		***				
pH (00400)	PERMIT REQUIREMENT			1.	6.0 Inst Min		9.0 IMAX	S.U.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***					
Total Suspended Solids (00530)	PERMITREQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***					
Oil and Grease (00556)	PERMIT REQUIREMENT				***	15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT				***	***	***			
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					1/week	Estimate
	SAMPLE MEASUREMENT	***	***		***					
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT			į		.5 Avg Mo	1.25 IMAX	mg/L	2/month	Grab
Facility Comments										

٠

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	[	PA	002561	5	[		301		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERMI			i i	OUTFA		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	L								DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077	[			MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	00	2019	05	_ 31	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	ITITY OR CO	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE	
FARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCI	SAWFLINGTTE	
	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		2/month	Grab	
Total Suspended Solids (00530)	PERMIT REQUIREMENT	***				30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab	
· · · · · · · · · · · · · · · · · · ·	SAMPLE MEASUREMENT	***	***		***	<5.9	<6.2		2/month	Grab	
Oil and Grease (00556)	PERMIT REQUIREMENT		***			15 Avg Mo	20 Daily Max	mg/L	2/month	Grab	
	SAMPLE MEASUREMENT	.001	.001		***	***	***		1/week	Estimate	
Flow (50050)	PERMITREQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	23 <b>***</b>		1/week	Estimate	
Facility Comments	· · · · · · · · · · · · · · · · · · ·										



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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5			303	-	Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM		BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	05/31/2019
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077		,		MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	σ	2019	05	31	No Discharge:	
										-	

PARAMETER		QUANTI	TY OR LOADING		QUAN	TTTY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCT	SAMELING THE
	SAMPLE MEASUREMENT	***	***		6.8	***	8.6		1/week	Grab
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min	<b>***</b>	9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<5.1	6.7		1/week	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT				***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<5.6	<5.7		1/week	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT	***			***	15. Avg Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	.014	.056		***	***	***		1/week	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD		***			1/week	Estimate
Facility Comments							·······	•		·····

、

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA0025615				313			Reporting Frequency:	Monthly
ADDRESS	ADDRESS: 76 S MAIN ST, AKRON, OH , 44308						OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	•						_		DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA , 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	,MO	DAY		YEAR	MO	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

PARAMETER		QUANT	TY OR LOADING		QUAN	TITY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		SAMELING THE	
· · · ·	SAMPLE MEASUREMENT	***	***		6.4	***	7.0		1/week	Grab	
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab	
	SAMPLE MEASUREMENT	***	***		***	<7.9	12.5		1/week	Grab	
Total Suspended Solids (00530)	PERMIT REQUIREMENT	<b>****</b>				30.0 Avg Mo	- 100.0 Daily Max	mg/L	1/week	Grab	
	SAMPLE MEASUREMENT	***	***		***	<5.6	<5.9		1/week	Grab	
Oil and Grease (00556)	PERMITREQUIREMENT					15 Avg Mo	20 Daily Max	mg/L	1/week	Grab	
	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week *	Estimate	
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report	MGD		***			1/week	Estimate	
Facility Comments								•	······		

Ċ,

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA0025615					401		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	PERM	T NUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	05/01/2019	
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	·								DMR Effective To:	05/31/2019
	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	
r	· · · · · · · · · · · · · · · · · · ·	·						·			

PARAMETER		QUANTI	TY OR LOADING			NTITY OF	R CONCENTRATI	NC	SAMPLING FREQUENCY	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	OAMPEING TREQUENCT	
	SAMPLE MEASUREMENT	***	***		8,9	***	GG			
pH (00400)	PERMIT REQUIREMENT			].	6.0 Inst Min		Monitor & Report	S.Ų.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		2/month	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	<5.8	<6.1		2/month	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT	**** 				15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	.001	.001		***	***	***		1/week	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					1/week	Estimate
Facility Comments										

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NAME:	FIRSTENERGY NUCLEAR OPR CO	[	PA	002561	5	[	•	403		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	T NUME	BER		OUTFAI	LNUM	BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1							_		DMR Effective To:	05/31/2019
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо́	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	

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

\$

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

,

NAME:	FIRSTENERGY NUCLEAR OPR CO	I	PA	0025615	;	Γ		413		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	·	PERMI		BER	Ì	OUTFA		BER	DMR Effective From:	05/01/2019
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					L				DMR Effective To:	05/31/2019
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2019	05	01	то	2019	05	31	No Discharge:	 0
OTAGE.		FROM				то					

PARAMETER		QUANT	TY OR LOADING		QUAN	ITITY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCT	SAMPLINGTTPE
	SAMPLE MEASUREMENT	***	***			***	1			
pH (00400)	PERMIT REQUIREMENT		***		6.0 Inst Min		9.0 IMAX	S,U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***					
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***					
Oil and Grease (00556)	PERMIT REQUIREMENT	***	***			15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT				***	***	***	<u> </u>		
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD		-			2/month	Estimate
Facility Comments			· · · · · · · · · · · · · · · · · · ·					•	• <u>••••</u> •••••••••••••••••••••••••••••••	· · · · · · · · · · · · · · · · · · ·

\$



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

## DISCHARGE MONITORING REPORT (DMR)

NAME:	FIRSTENERGY NUCLEAR OPR CO	]	PA	002561	5		50			Reporting Frequency	y: Monthly			
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM		BER		OUTFA	LL NUM	BER	DMR Effective From	c 05/01/2019			
FACILITY:											DMR Effective To: 05/31/2019			
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA , 15077	[			MONIT	ORING	PERIOD			Permit Expires:	12/27/2006			
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application D	Due: 06/30/2006			
		FROM	2019	05	01	то	2019	05	31	No Discharge:				
										<b>0</b>	<u> </u>			
		QU	IANTITY C	ADING	_	QU	ANTITY	ORCON	CENTRATION					

PARAMETER		QUANTI	TY OR LOADING	QUAN	ITTY OR C	ONCENTRA	TION	SAMPLING FREQUENCY		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCI	SAMELING TIFE
	SAMPLE MEASUREMENT	***	***		***					
Total Suspended Solids (00530)	PERMIT REQUIREMENT			2		30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT			<u> </u>	***	***	***			
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD		2000 <b></b>			1/week	Estimate
Facility Comments										

#### COMMENT DETAILS

COMMENTS	OPERATOR NAME		OPERATOR CONTACT NUMBER
		OPERATOR CERTIFICATION NUMBER	