

April 22, 2020 L-20-164

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 April 2020 NPDES Discharge Monitoring Report (DMR) and Second Quarter Stormwater Report for Energy Harbor (EH), formerly FirstEnergy Nuclear Operating Company (FENOC), Beaver Valley Power Station (BVPS) in accordance with the requirement set forth in the site NPDES permit. Attachment 1 to this letter is supplemental monitoring data for Outfall 001 (dissolved oxygen).

A review of the data indicates no permit parameters were exceeded during the month.

Included with this report are two Supplemental Laboratory Accreditation Forms for analyses performed to support permit requirements as required by 25 Pa. Code § 252.

In accordance with NPDES Permit No. PA0025615 Part C.15 Beaver Valley Power Station is required to submit 14 days in advance any planned large system dosing for Asiatic Clam Control and Zebra Mussel Control. The scheduled large system dosing is listed below:

Unit and Train	Date
Unit 1, Train B	June 22, 2020
Unit 2, Train A	July 6, 2020
Unit 1, Train A	July 13, 2020
Unit 2, Train B	July 20, 2020

Should you have any questions regarding the attached and enclosed documents, please direct them to Kelsy Kurcsak, at 724-682-7358.

Sincerely,

Matthew of Enos

General Plant Manager

IEZ5 NRR Beaver Valley Power Station, Unit Nos. 1 and 2 L-20-164 Page 2

### Attachment(s):

1. Weekly Dissolved Oxygen Monitoring Results at Outfall 001

## Enclosure(s)

- A. Monthly Discharge Monitoring Report
- B. Quarterly Storm Water Report
- C. Supplemental Lab Accreditation Forms

cc: Document Control Desk US NRC (NOTE: No new US NRC commitments are contained in this letter.)
US Environmental Protection Agency
Ms. Amanda Schmidt, PA DEP/Bureau of Water Quality Management

Mr. Chris Kriley, Water Management Section

Discharge Monitoring Report Attachment for NPDES Permit No. PA0025615 Beaver Valley Power Station April 2020

### **ATTACHMENT 1**

## Weekly Dissolved Oxygen Monitoring Results at Outfall 001

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

SAMPLE DATE	SAMPLE TIME	VALUE	UNITS
04/05/2020	09:15 AM	8.00	mg/L
04/12/2020	11:44 AM	8.00	mg/L
04/19/2020	09:28 AM	8.00	mg/L
04/26/2020	12:24 PM	8.00	mg/L

- Attachment 1 END -



## 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		PERM	TNUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	•						······································	·	DMR Effective To:	04/30/2020
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	2020	04	01	ОТ	2020	04	30	No Discharge:	

PARAMETER		QUANTT	TY OR LOADING		(	QUANTITY OR CO	ONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
FAMILIER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	OUIAN THAO I LEGORIAO I	SAMELING TIPE
	SAMPLE MEASUREMENT	***	***		***	***	8.0		1/week	Grab-Composite
Dissolved Oxygen (00300)	PERMIT REQUIREMENT	***	***		***	***	Monitor & Report IMAX	mg/L	Monitor & Report	Monitor & Report
	SAMPLE MEASUREMENT	***	***		7.9	***	8.5		1/week	Grab
pH (00400)	PERMIT REQUIREMENT	***	***		6.0 Inst Min.	***	9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	*** .	***		4##	.11	.11		1/week	Grab
Ammonia-Nitrogen (00610)	PERMIT REQUIREMENT	***	44*		2.63	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	*** .		***	GG	GG			
Clamtrol CT-1 (04251)	PERMIT REQUIREMENT	ùòò	***		údÞ	.034 Avg Mo	,034 Daily Max	mg/L	See Permit	24-Hr Composite
	SAMPLE MEASUREMENT	18,5	29,0		***	263	***		Continuous	Measured
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	400	****		Continuous	Measured
	SAMPLE MEASUREMENT	944	***		***	<,02	<.02		1/week	Grab
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT	***	***		484	.5 Avg Mo	1.25 IMAX	mg/L	1/week.	Grab
	SAMPLE MEASUREMENT	444	***		444	<.02	<.02		Continuous	Recorded
Free Available Chlorine (50064)	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

I	PARAMETER		QUANT	TYORLOA	DING	QUAN	TITY OR CO	ONCENTRAT	TON	SAMPLING FREQUENCY	SAMPLING TYPE
	1 /3t Valville 13e/1		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	OAMIP LING I NEGOLIAO I	SAMPLING TIPE
		SAMPLE MEASUREMENT	***	***		840	<.002	<.002		1/week	Grab
	Hydrazine (81313)	PERMIT REQUIREMENT	***	***		949	.007 Avg Mo	.007 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	1 1		002		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMIT NUMBER			OUTFA	OUTFALL NUMBER		DMR Effective From:	04/01/2020	
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1		<u> </u>							DMR Effective To:	04/30/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA , 15077				МОИП	FORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	МО	DAY		YEAR	МО	DAY	Permit Application Due:	06/30/2006
		FROM	2020	04	01	от	2020	04	30	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN'	TITYORCO	NCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE	
FAIVAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	ONIVI EIROT NEGOLIOT	ONIVIE ENGINE	
	SAMPLE MEASUREMENT	.006	,046		***	***	***		1/week	Estimate	
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	, <del>4**</del>		1/week	Estimate	
Facility Comments											



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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA0025615					003		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMIT NUMBER OUTFALL NUMBER				LL NUM	BER	DMR Effective From:	04/01/2020	
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	-								DMR Effective To:	04/30/2020
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	2020	04	01	ОТ	2020	04	30	No Discharge:	
ļ	•	1 01	ANTITY	AD I O	CHACL		1 00	A RITTIV	AD CON	ICENTRATION	

PARAMETER		QUANTI	TYOR LOADING		QUAN'	TITY OR CO	NCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE	
T AVAIVIL TEIV		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	ONIVII CIRO I NEQUEIVO	OAMI LING III L	
	SAMPLE MEASUREMENT	,146	.202		***	***	<b>e</b> t#		2/month	Estimate	
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Dally Max	MGD	***	***	***		2/month	Estimate	
Facility Comments											



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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	615 004					Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUME	BER OUTFALL NUMBER				BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	•								DMR Effective To:	04/30/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				МОМП	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	МО	DAY		YEAR	МО	DAY	Permit Application Due:	06/30/2006
		FROM	2020	04	01	то	2020	04	30	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	TITYORC	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FARMINETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING THE
	SAMPLE MEASUREMENT	***	*##			***				
pH (00400)	PERMIT REQUIREMENT	***	***		6.0 Inst Min	990	9.0 IMAX	S,U.	1/week	Grab
	SAMPLE MEASUREMENT				***	***	***			
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report  Daily Max	MGD	<del>va a</del>	***	***		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)	PERMIT REQUIREMENT	***	***		,440	.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		006			Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM	T NUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	•				,		······································		DMR Effective To:	04/30/2020
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	MO	DAY		YEAR	MQ	DAY	Permit Application Due:	06/30/2006
		FROM	2020	04	01	то	2020	04	30	No Discharge:	

PARAMETER		QUANTI		QUAN	TITY OR CO	NCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE	
FARAWETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING THE
	SAMPLE MEASUREMENT	,002	.016		***	***	<b>AND</b>		1/week	Estimate
Flow (59050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	ese		1/week	Estimate
Facility Comments										



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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5			007		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM	TNUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	'								DMR Effective To:	04/30/2020
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	2020	04	01	70	2020	04	30	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	TITY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FAMILIER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING THE
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT	***	***		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	***	244	***		1/week	Estimate
	SAMPLE MEASUREMENT	***	***		<b>非</b> 身					,
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT	् <del>वेश्वर्थः</del>	***			.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***					
Free Available Chlorine (50064)	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

NAME:	FIRSTENERGY NUCLEAR OPR CO	[	PA	002561	5			008		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUME	3ER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	•				'				DMR Effective To:	04/30/2020
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	2020	04	01	то	2020	04	30	No Discharge:	D

PARAMETER		QUANTI	TY OR LOADING		QUAN	TTYORC	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		SAMPLINGTIFE
	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 <sup>a</sup>
	SAMPLE MEASUREMENT				***	***	***			
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	5			010		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	T NUME	BER		OUTFA	LL NUMI	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1		<del></del>							DMR Effective To:	04/30/2020
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	2020	04	01	то	2020	04	30	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	TITYORC	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMILTING THE
	SAMPLE MEASUREMENT	***	404		7.6	***	8.2		1/week	Grab
pH (00400)	PERMIT REQUIREMENT	464	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		ir ir ir	GG	GG			
Clamtrol CT-1 (04251)	PERMIT REQUIREMENT	***	***		***	.034 Avg Mo	.034 Daily Max	mg/L	Daily when Discharging	24-Hr Composite
	SAMPLE MEASUREMENT	16.4	23.0		***	***	***		1/week	Measured
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	40*	***	***		1/week	Measured
	SAMPLE MEASUREMENT	***	444		***	<.03	.07		1/week	Grab
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT	***	***		284	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		ècè	<.02	<.02		1/week	Grab
Free Available Chlorine (50064)	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.5 Daily Max	mg/L	1/week	Grab
Facility Comments										



**Facility Comments** 

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

### **DISCHARGE MONITORING REPORT (DMR)**

NAME:	FIRSTENENGY MUCLEAR OPK CO				A002561	5	ł	ĺ	011	1	Repor	ting Frequ	ency:	Monuniy	
ADDRESS	: 76 S MAIN ST, AKRON, OH , 44308			PER	MIT NUM	BER	1	OU	IFALL N	JUMBER	DMR	Effective F	rom:	04/01/2020	
FACILITY:	FIRSTENERGY BEAVER VALLEY P	OWER STATION 1					•	<u> </u>	· · · · · · · · · · · · · · · · · · ·		DMR	Effective T	D:	04/30/2020	
LOCATION	: PA ROUTE 168, SHIPPINGPORT, F	A , 15077				MONE	TORING	PERIOD			Permi	t Expires:		12/27/2006	
STAGE:	Final Effluent			YEAR	МО	DAY		YEAR	M	O DAY	Permi	t Application	on Due:	06/30/2006	
			FROM	2020	04	01	то	2020	0	4 30	_  No Di	scharge:			
	PARAMETER		QI	JANTITY	ORLO	ADING			TAAU	MYORC	ONCENTR	ATION	248	/PLING FREQUENCY	SAMPLING TYPE
	PARAMETER		VALUE		VAL	UE	UNIT	S VA	LUE	VALUE	VALUE	UNITS	SAN	AFEING FREQUENCY	SAIVIFLING I IFE
		SAMPLE MEASUREMENT	.004		.00	)4	]		**	***	***			1/week	Estimate
	Flow (50050)	PERMIT REQUIREMENT	Monitor & Re	eport	Monitor 8	•	MGI	D	**	***	. ***			1/week	Estimate

Daily Max

Avg Mo



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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5			012		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	T NUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	04/30/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077		MONT			ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	МО	DAY		YEAR	МО	DAY	Permit Application Due:	06/30/2006
		FROM	2020	04	01	то	2020	04	30	No Discharge:	

PARAMETER		QUANTT	TY OR LOADING		(	QUANTITY OR CO	ONCENTRATION		SAMPLING EPECITENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY  1/month 1/month 2/month 2/month 2/month 1/month 1/month 1/month 2/month	SAMPLING ITE
	SAMPLE MEASUREMENT	***	\$6#		7.9	***	7.9		1/month	Grab
pH (00400)	PERMIT REQUIREMENT	414	****		6,0 Inst Min	***	9,0 IMAX	S.U.	1/month	Grab
	SAMPLE MEASUREMENT	***	***		***	.046	.049		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	***	444		4**	1.5 Avg Mo	1.5 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	.001	.001		arr	***	<b>企业</b>		1/month	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	+++	***	. #1#		1/month	Estimate
	SAMPLE MEASUREMENT	***	***		***	235	250		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 MUCLEAR OPR CO		PA	0025615	;			013		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	T NUME	BER		OUTFA	LL NUMI	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1		,		·		<del></del>			DMR Effective To:	04/30/2020
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	2020	04	01	ОТ	2020	04	30	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		(	QUANTITY OR CO	DICENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
PARAIMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREGOENCY	SAMPLING THE
	SAMPLE MEASUREMENT	***	<b>\$\$</b> 4	HOLDER OF THE PARTY OF THE PART	7.0	***	7.8		1/week	Grab
pH (00400)	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9,0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<.01	<.01		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	***	***		tek	<.001	<.001		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	***	0#0		*#*	<.025	<.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 Avg Mo	Monitor & Report Daily Max	MGD	***	843	***		2/month	Estimate
Facility Comments										



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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	0025618	5			101		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	IT NUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	'								DMR Effective To:	04/30/2020
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	2020	04	01	то	2020	04	30	No Discharge:	<b>D</b>

PARAMETER		QUANTI	YOR LOADING		(	QUANTITY OR CO	DICENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
FARAWETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PARQUENCT	SAMPLING THE
	SAMPLE MEASUREMENT	files	***		, , , , , , , , , , , , , , , , , , , ,	***	or we always and the second			
pH (00400)	PERMIT REQUIREMENT	oė»	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	488	***		***					
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	***	Q##		444					
Ammonia-Nitrogen (00610)	PERMIT REQUIREMENT	***	44.4		147	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT				***	, deta	***			
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	444	Abb		Continuous	Measured
	SAMPLE MEASUREMENT	***	***		中央会					
Hydrazine (81313)	PERMIT REQUIREMENT	***	<b>063</b>		***	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

			VEAD	140	TO LANGUAGE PROPERTY AND ADDRESS OF THE PARTY			MO	DAY	,	neionione
STAGE:	Final Effluent		YEAR	мо	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
			10745	140	TO LANGUAGE PROPERTY AND ADDRESS OF THE PARTY	Orares				,	
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	noinc	PERIOD			Permit Expires:	12/27/2006
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	•					-			DMR Effective To:	04/30/2020
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	T NUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5			102		Reporting Frequency:	Monthly

PARAMETER		QUANTI	TY OR LOADING		QUAN	TITY OR C	ONCENTRA	MOIT	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING THE
	SAMPLE MEASUREMENT	<del>404</del>	191		7,8	***	8,1		2/month	Grab
pH (00400)	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		043	5,6	6,5		2/month	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100,0 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	n/s	***		***	<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	no.	***	***		2/month	Estimate
Facility Comments										



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

NAME:	FIRSTENERGY NUCLEAR OPR CO	ĺ	PA	002561	5			103		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUM	BER		OUTFAL	L NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	, ,			**************************************	•				DMR Effective To:	04/30/2020
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	2020	04	01	OΤ	2020	04	30	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING	***	QUAN	TITYORC	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMIFLING PREQUENCT	SAMPLING THE
	SAMPLE MEASUREMENT	***	***		7,5	***	8.3		2/month	Grab
pH (00400)	PERMIT REQUIREMENT	***	***		6,0 Inst Min	***	9.0 IMAX	S,U.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	9.6	12.8		2/month	24-Hr Composite
Total Suspended Solids (00530)	PERMIT REQUIREMENT	***	***		<del>644</del>	30.0 Avg Mo	100.0 Daily Max	mg/L.	2/month	24-Hr Composite
	SAMPLE MEASUREMENT	.132	.146		***	***	***		1/day	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	444	***	***		· 2/month	Estimate
Facility Comments										



## 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	TNUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	į								DMR Effective To:	04/30/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONI	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	МО	DAY		YEAR	МО	DAY	Permit Application Due:	06/30/2006
		FROM	2020	04	01	то	2020	04	30	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	TITYORC	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER	,	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAME LING FILL COLING I	SAMPLING TIPE
	SAMPLE MEASUREMENT	***	***		6.7	***	7.9		1/week	Grab
pH (00400)	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	<b>非</b> 療效	***		***	<7.6	14.3		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	<5		1/week	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	.002	.002		***	***	444		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	5		_	113		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	•								DMR Effective To:	04/30/2020
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	2020	04	01	то	2020	04	30	No Discharge:	

PARAMETER		QU	ANTITY OR LOADIN	1G	QUA	NTTYOR	CONCENTR	RATION	SAMPLING FREQUENCY	SAMPLING TYPE
PARAWEIER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING THE
4	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	***	444		, , <del>, , , , , , , , , , , , , , , , , </del>	30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hir 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	***	492		***		. 644			
Fecal Coliform (74055)	PERMIT REQUIREMENT	***	**		***	2000 Geo Mean	444	No./100 ml	2/month	Grab
Carbonaceous Biochemical Oxygen Demand	SAMPLE MEASUREMENT	***	411		***					
(CBOD5) (80082)	PERMIT REQUIREMENT	***	ean.		***	25.0 Avg Mö	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:	FIRSTIENERGY NUCLEAR OPR CO	[	PA	0025615	,			203		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUME	ER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	L				•				DMR Effective To:	04/30/2020
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	2020	04	01	क	2020	04	30	No Discharge:	

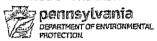
PARAMETER		QU	ANTITY OR LOAD!	IG	QUA	NTTYOR	CONCENTR	ATION	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	ONNI ENGT REQUERO	OAWI LING ITIL
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	2/month	Grab
	SAMPLE MEASUREMENT	ARE	***		***					
Total Suspended Solids (00530)	PERMIT REQUIREMENT	***	***		trest	30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite
	SAMPLE MEASUREMENT				***	<b>AAA</b>	***			
Flow (50050)	PERMIT REQUIREMENT	.023 Avg Mo	Monitor & Report Daily Max	MGD	***	***	444		1/week	Measured
	SAMPLE MEASUREMENT	***	4+*		***					
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT	***	***		***	1.4 Avg Mo	. 3.3 IMAX	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	#X#		***		***			
Fecal Coliform (74055)	PERMIT REQUIREMENT	***	***		448	2000 Geo Mean	***	No./100 ml	2/month	Grab
Carbonaceous Biochemical Oxygen Demand	SAMPLE MEASUREMENT	***	***		244					
(CBOD5) (80082)	PERMIT REQUIREMENT	***	***		±44	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		PA	002561	5			211		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	TNUME	BER ·		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	'		7.7.			lea			DMR Effective To:	04/30/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	МО	DAY		YEAR	МО	DAY	Permit Application Due:	06/30/2006
		FROM	2020	04	01	то	2020	04	30	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING	·	QUAN	TITYORCO	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	OAMI LING I NEGOLINO I	SAMPLING TIPE
	SAMPLE MEASUREMENT	***	***		7.1	***	8.9		1/week	Grab
pH (00400)	PERMIT REQUIREMENT	***	. ###		6.0 Inst Min	see.	9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	444		***	<15.5	55.4		1/week	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT	<del>9.44</del>	***		***	30,0 Avg Mo	100.0 Daily Max	mg/L.	1/week	Grab
	SAMPLE MEASUREMENT	444	***		***	<5	<5		1/week	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT	***	444		***	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	a de la composição de l	<b>640</b>	\$4.00°		1/week	Estimate
Facility Comments										



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

NAME:	FIRSTENERGY MUCLEAR OPR CO		PA	002561	5			213		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	T NUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	'	· · · · · · · · · · · · · · · · · · ·			,				DMR Effective To:	04/30/2020
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	2020	04	01	то	2020	04	30	No Discharge:	<u> </u>

PARAMETER		QUANTI	TY OR LOADING		QUAN	TITYORC	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FARMIVIETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAIVII EING I NEQUENC!	SAMPLING HE
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT	***	***		6.0 Inst Min	eek	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	***	FMR		645					
Oil and Grease (00556)	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT				***	***	444			
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Dally Max	MGD	849	ene	***		1/week	Estimate
	SAMPLE MEASUREMENT	***	***	]	***					
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT	***	###		<del>eso</del> ,	,5 Avg Mo	1.25 IMAX	rmg/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			301		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	TNUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	•								DMR Effective To:	04/30/2020
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	2020	04	01	ОТ	2020	04	30	No Discharge:	

PARAMETER		QUANTI	TYOR LOADING		QUAN	TITY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
PAIGNETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREGOCING I	SAMPLING TIPE
	SAMPLE MEASUREMENT	ê.¥.♥	***		***	<4.0	<4.0		2/month	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT	***	***		634	30,0 Avg Mo	100.0 Daily Max	mg/L	. 2/month	Grab
	SAMPLE MEASUREMENT	***	449		***	<5	<5		2/month	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Dalty 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										



## 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 NUME	3ER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	•				,	,			DMR Effective To:	04/30/2020
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	2020	04	61	ОТ	2020	04	30	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	MIYORC	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE	
PAISWETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMELING PREQUENCY	SAMPLING THE	
	SAMPLE MEASUREMENT	***	***		7.7	***	7.9		1/week	Grab	
pH (00400)	PERMIT REQUIREMENT	***	464		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab	
	SAMPLE MEASUREMENT	***	***		***	<16.0	27.9		1/week	Grab	
Total Suspended Solids (00530)	PERMIT REQUIREMENT	( see	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab	
	SAMPLE MEASUREMENT	***	***		64.5	<11	17		1/week	Grab	
Oil and Grease (00556)	PERMIT REQUIREMENT	<del>010</del>	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab	
	SAMPLE MEASUREMENT	.014	.056		***	444	444		1/week	Estimate	
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report  Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate:	
Facility Comments	Facility sample point was not sam	pled the first week of A	April 2020 due to cond	tion in the	facility's abn	ormal operati	ng procedure a	s a result o	of rising river water levels.		



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

NAME:	FIRSTENERGY NUCLEAR OPR CO	•	PA	002561	5			313		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	IT NUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	04/30/2020
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	2020	04	01	10	2020	04	30	No Discharge:	

PARAMETER		QUANTI	TYOR LOADING		QUAN	TITY OR C	ONCENTRA	TION	SAMPLING FREQUENCY	SAMPLING TYPE
FAMILIER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAME LING I NEGOLING I	SAMPLING THE
	SAMPLE MEASUREMENT	###	***		7.0	***	7.8		1/week	Grab
pH (00400)	PERMIT REQUIREMENT	***	***		6.0 Inst Min	244	9,0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	a tra	***		***	<5.7	6,5		1/week	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT	***	4**		444	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		erk	<5	<5		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	0025615	5			401		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	•	************		· · · · · · · · · · · · · · · · · · ·					DMR Effective To:	04/30/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15977				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	МО	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2020	04	01	or	2020	04	30	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUA	ANTITY OF	CONCENTRATI	ON	SAMPLING FREQUENCY	SAMPLING TYPE	
FARMIVETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	OAM ENGT NEGOENGT	OAMI ENOTH E	
	SAMPLE MEASUREMENT	***	***		9,5	***	ଓଡ				
pH (00400)	PERMIT REQUIREMENT	****	8##		6.0 Inst Min	402	Monitor & Report IMAX	S.U.	2/month	Grab	
	SAMPLE MEASUREMENT	***	<b>RPA</b>		***	<4.0	<4.0		2/month	Grab	
Total Suspended Solids (00530)	PERMIT REQUIREMENT	<b>±</b> ≠±	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	- Grab	
	SAMPLE MEASUREMENT	na n	***	· · · · · ·	442	<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		***	***	***		1/week	Estimate	
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	See	***		1/week	Estimate	
Facility Comments											



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

### **DISCHARGE MONITORING REPORT (DMR)**

NAME: FIRSTENERGY MUCLEAR OPR CO Reporting Frequency: Monthly PA0025615 403 ADDRESS: 76 S MAIN ST, AKRON, OH, 44308 04/01/2020 DMR Effective From: PERMIT NUMBER **OUTFALL NUMBER** FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1 DMR Effective To: 04/30/2020 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA, 15077 12/27/2006 MONITORING PERIOD Permit Expires: MO YEAR MO DAY Permit Application Due: 06/30/2006 Final Effluent YEAR DAY STAGE: 2020 04 01 2020 04 30 No Discharge:  $\mathbf{Z}$ 

PARAMETER		QUANTT	TY OR LOADING		(	QUANTITY OR CO	DICENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING PREQUENCY	SAMPLING THE
	SAMPLE MEASUREMENT	***	415			444				
pH (00400)	PERMIT REQUIREMENT	***	***		6.0 Inst Min	999	9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***					
Total Suspended Solids (00530)	PERMIT REQUIREMENT	<del>4+t</del>	*#*		244	30,0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	640	RAN		***					
Oil and Grease (00556)	PERMIT REQUIREMENT	***	###.		243	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	444	44#		***					
Ammonia-Nitrogen (00610)	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	110	***		***					
Clamtrol CT-1 (04251)	PERMIT REQUIREMENT	***	frita		***	.001 Avg Mo	,001 Daily Max	mg/L	Daily when Discharging	24-Hr Composite
	SAMPLE MEASUREMENT				***	844	***			
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
	SAMPLE MEASUREMENT	Refe .	dea		444					
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT	***	***		222	,5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	444	411		640					
Hydrazine (81313)	PERMIT REQUIREMENT	desk	***		624	.001 Ayg Mo	,001 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			413		Reporting Frequency:	Monthly	
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308	•	PERM	IT NUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020	
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	'								DMR Effective To:	04/30/2020	
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	2020	. 04	01	то	2020	04	30	No Discharge:	Ø	

PARAMETER		QUANTI	TY OR LOADING	· · · · · · · · · · · · · · · · · · ·	QUAN	TITYORC	ONCENTRA	ATION	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING THE
	SAMPLE MEASUREMENT	### -	227			544		]		
pH (00400)	PERMIT REQUIREMENT	<b>#6#</b>	***		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	***	, in the second second		i v <b>áká</b>	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT				***	***	444			
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	•••	· ***	***		2/month	Estimate
Facility Comments									-	

COMMENTS

OPERATOR NAME



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

### **DISCHARGE MONITORING REPORT (DMR)**

NAME:	FIRSTENERGY NUCLEAR OPR CO	<u></u>		1	PA002561	5			501		Report	ng Freque	ency:	WOLIGHY	
ADDRESS	76 S MAIN ST, AKRON, OH , 4430	08		PI	ERMIT NUM	BER		OUTF	ALL N	UMBER	DMRE	ffective F	om:	04/01/2020	
FACILITY:	FIRSTENERGY BEAVER VALLEY	POWER STATION 1		<b></b>				***			DMR E	ffective To	<b>)</b> :	04/30/2020	
LOCATION	PA ROUTE 168, SHIPPINGPORT,	PA , 15077				MONIT	TORING	PERIOD			Permit	Expires:		12/27/2006	
STAGE:	Final Efficient			YEA	R MO	DAY		YEAR	MC	DAY	Permit	Application	n Due:	06/30/2006	
			FROM	202	20 04	01	то	2020	04	30	│ No Dis	charge:		<u> </u>	
	PARAMETER		QI	JANTI	TYORLO	ADING		Q	UANT	TYORC	ONCENTRA	TION	SAN	MPLING FREQUENCY	SAMPLING TYPE
	PARAMETER		VALUE	Ξ	VAL	UE	UNIT	S VAL	UE	VALUE	VALUE	UNITS	SAI	WILLING PREQUENCY	SAMPLING THE
		SAMPLE MEASUREMENT	***		**	•		***							
Tota	al Suspended Solids (00530)	PERMIT REQUIREMENT	***		**	•		. ***		30.0 Avg Mo	100.0 Daily Max	mg/L		1/week	Grab
		SAMPLE MEASUREMENT						***		***	***				
	Flow (50050)	PERMIT REQUIREMENT	Monitor & Ro Avg Mo	-	Monitor 8 Dally		MGE			***	***			1/week	Estimate
	Facility Comments														
COMMENT	DETALS														

OPERATOR CERTIFICATION NUMBER

OPERATOR CONTACT NUMBER



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

NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5			001		Reporting Frequency:	Quarterly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	TNUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	04/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	•			-ua. h	, ,				DMR Effective To:	06/30/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	МО	DAY		YEAR	МО	DAY	Permit Application Due:	06/30/2006
	,	FROM	2020	04	01	то	2020	06	30	No Discharge:	2

PARAMETER		QUANT	TTY OR LOA	DING	QU	ANTITY OR CONCI	ENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAME LING PREGOCIACT	SAMPLING TIPL
	SAMPLE MEASUREMENT	***	***		***		***			
fron, Total (01045)	PERMIT REQUIREMENT	***	R-B-F		***	Monitor & Report Daily Max	***	mg/L	, 1/quarter	Grab
	SAMPLE MEASUREMENT	***	***		***		***			
Zinc, Total (01092)	PÉRMIT REQUIREMENT	***	Santa Sa		***	Monitor & Report Daily Max	***	mg/L	1/quarter	Grab
Facility Comments										

# 3800-FM-BCW0462 12/2016 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:	Quarterly	
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUME	BER		OUTEA	LL NUM	BER	DMR Effective From:	04/01/2020	
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	'				'				DMR Effective To:	06/30/2020	
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	2020	04	01	то	2020	06	30	No Discharge:	П	,

PARAMETER		QUANT	TYOR LO	ADING	QL	ANTITY OR CONC	ENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE	
PAIVAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMI LING I NEGOLIAO I	GAWIT LING THE	
	SAMPLE MEASUREMENT	***	***		***	<.1	***		1/quarter	Grab	
fron, Total (01045)	PERMIT REQUIREMENT	669	***		***	Monitor & Report Daily Max	700	mg/L.	1/quarter	Grab	
	SAMPLE MEASUREMENT	***	***		***	<.02	***		1/quarter	Grab	
Zinc, Total (01092)	PERMIT REQUIREMENT	***	***		****	Monitor & Report Daily Max	and the second	rng/L	1/quarter	Grab	
Facility Comments											

# 3800-FM-BCW0462 12/2016 pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMENTS

OPERATOR NAME

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

### **DISCHARGE MONITORING REPORT (DMR)**

-	THO INCOME TO THE OFFICE			PA	002561	5			008	•	1/et	orung Fr	equency.	waterry	
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308	3		PERM	TNUM	BER	1	OUT	IFALL NU	MBER	DM	R Effectiv	e From:	04/01/2020	
FACILITY:	FIRSTENERGY BEAVER VALLEY F	OWER STATION 1	•								 DM	R Effectiv	e То:	06/30/2020	
LOCATION:	PA ROUTE 168, SHIPPINGPORT, I	PA , 15077				MONI	TORING	PERIOD			Per	mit Expire	es:	12/27/2006	
STAGE: 1	Final Effluent			YEAR	МО	DAY		YEAR	МО	DA	Y Per	mit Applic	cation Due:	06/30/2006	
•			FROM	2020	04	01	то	2020	06	30	No No	Discharge	9:		
													`		
	PARAMETER		QUAN	TITYORU	OAD!	NG		QUANT	TIYOR	CONC	ENTRATIC	N	SAMO	LING FREQUENCY	SAMPLING TYPE
	LUMANTICI		VALUE	VALU	E U	JNITS	VALU	E	VALU	E	VALUE	UNITS	S/AIVII-	LINGFREQUENCT	- SAMELING TIFE
		SAMPLE MEASUREMENT	4##	***			***		7,6		***			1/quarter	Grab
	Iron, Total (01045)	PERMIT REQUIREMENT	***	***			***	M	onitor & R Daily Ma		###	mg/L		1/quarter	Grab
		SAMPLE MEASUREMENT	***	***			***		.25		***			1/quarter	Grab
	Zinc, Total (01092)	PERMIT REQUIREMENT	***	***	<i>(</i> )		***	M	onitor & R Daily Ma		***	mg/L		1/quarter	Grab
	Facility Comments														

OPERATOR CERTIFICATION NUMBER

OPERATOR CONTACT NUMBER



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

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

Permittee Name:	FirstEnergy 1	Nuclear Operating Company							•
Address:	P.O. Box 4		:						
	Shippingport	, PA 15077							
	Beaver Valle	y Power Station							
,	PERMIT NU	MBER			MONITOI Year/i	RING P Month/l			
	PA00256	615	2020	04	01	то	2020	04	30
PARAMET	er i	ANALYSIS METHOD		LAB NAME			ÍARÍ	D NUMBE	Ŕ2
Zinc		EPA 200.7 Rev 4.4	PASSE UNASSE FINE DE	erica-Pittsb	All the second second second			2-00416	
				,					
Copper	<u>,</u>	EPA 200.7 Rev 4.4	lest Am	erica-Pittsb	urgn Lab	<u> </u>	0	2-00416	** *** **
iron		EPA 200.7 Rev 4.4	Test Am	erica-Pittsb	urgh Lab		0	2-00416	
Chromiur	, 1	EPA 200.7 Rev 4.4		erica-Pittsb	urgh Lab		Õ	2-00416	Artini.
Ammonia	а	SM 4500 NH3 F	Test Am	erica-Pittsb	urgh Lab		0	2-00416	
Cyanide		SM 4500-CN E	Test Am	erica-Pittsb	urgh Lab		0	2-00416	_ 1
Chlorobenz	ene	EPA 624		erica-Pittsb			0	2-00416	
Oil and Gre	ase	EPA 1664 Rev A	Test Ar	nerica-Can	ton Lab		6	8-00340	
Copper		EPA 200.8	Test Am	erica-Pittsb	urgh Lab			2-00416	
Total Dissolved So	olids (TDS)	SM 2450 C	Test Am	erica-Pittsb	urgh Lab		0	2-00416	
Oil and Gre	ase	EPA 1664 Rev A	Test Amer	ica-Lancas	ter PA Lab		3	6-00037	
		* 2012 EPA Method Update Rule (MUR) no longer cites Standard Method editions							

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

Name/Title Principal Executive Officer	Phone: 724-682-7773	Authorized Agent
Matthew J. Enos General Plant Manager	Date: 5/21/2020	- Reference

<sup>&</sup>lt;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>&</sup>lt;sup>2</sup> 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 WATER STANDARDS AND FACILITY REGULATION

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

Permittee Name:	FirstEnergy	Nuclear Operating Company							-
Address:	P.O. Box 4								
	Shippingpor	t, PA 15077							
	Beaver Valle	ey Power Station							
	PERMIT N	JMBER			MONITO Year/	RING F Month/			
	PA0025	615	2020	04	01	то	2020	04	30
						J			
PARAMET	ER	ANALYSIS METHOD		LAB NAM			LABI	D NUMBE	R <sup>2</sup>
Total Residual	Chlorine	SM 4500-CL G [20 <sup>th</sup> ]	Beaver \	/alley Pow	er Station		(	04-2742	
Free Available	Chlorine	SM 4500-CL G [20 <sup>th</sup> ]	Beaver \	/alley Pow	er Station	,	(	04-2742	
рН		SM 4500-H+ B [20 <sup>th</sup> ]	Beaver \	/alley Pow	er Station		C	04-2742	
Temperat	ure	SM 2550 B [20 <sup>th</sup> ]	Beaver \	/alley Pow	er Station		(	04-2742	
Flow		NA	Beaver \	/alley Pow	er Station		(	04-2742	
Total Suspended S	Solids (TSS)	SM 2540 D [20 <sup>th</sup> ]	Beaver \	/alley Pow	er Station			04-2742	
Quaternary Amine	Compounds	Photometric Determination	Beaver \	/alley Pow	er Station		(	04-2742	•
		1⁄₂-CHM-ANA-4.23H							
Bentonite Det	oxicant	Estimated using feed rate and discharge flow rate per NPDES Permit PA0025645	Beaver \	/alley Pow	er Station		(	04-2742	
Hydrazin	ie	ASTM D1385-01	Beaver \	/alley Pow	er Station	· .	. (	04-2742	

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

Name/Title Principal Executive Officer	Phone: 724-682-7773	Signature of Principal Executive Officer or Authorized Agent
Matthew J. Enos General Plant Manager	Date: 05/21/2020	f.f.

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