



March 24, 2020 L-20-096

Department of Environmental Protection Bureau of Water Quality Management Attention: DMR Clerk 400 Waterfront Drive Pittsburgh, PA 15222 50-334/412

SUBJECT:

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

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

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

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

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

Sincerely,

Matthew J. Enos

General Plant Manager

IE25 NRR Beaver Valley Power Station, Unit Nos. 1 and 2 L-20-096 Page 2

Attachment(s):

1. Weekly Dissolved Oxygen Monitoring Results at Outfall 001

Enclosure(s)

- A. Monthly Discharge Monitoring Report
- B. Supplemental Lab Accreditation Forms

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

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

ATTACHMENT 1

Weekly Dissolved Oxygen Monitoring Results at Outfall 001

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

SAMPLE DATE	SAMPLE TIME	VALUE	UNITS
02/02/2020	11:20 AM	6.00	mg/L
02/09/2020	12:30 PM	6.00	mg/L
02/16/2020	10:45 AM	8.00	mg/L
02/23/2020	11:30 AM	8.00	mg/L

- Attachment 1 END -



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5]		001		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	02/29/2020
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	02	01	ОΤ	2020	02	29	No Discharge:	

PARAMETER		QUANTT	TY OR LOADING			QUANTITY OR CO	DICENTRATION	-	CAMPI NO EDECUENOV	044401040
	1	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***		***	***	8.0		1/week	Grab
Dissolved Oxygen (00300)	PERMIT REQUIREMENT						Monitor & Report	mg/L	Monitor & Report	Monitor & Report
	SAMPLE MEASUREMENT	***	***		8.1	2 2 5 5 C 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8.4		1/week	Grab
pH (00400)	PERMIT REQUIREMENT			}	6.0 /		9.0 IMAX	S.U.	1/w ee k	Grab
	SAMPLE MEASUREMENT	***	***		***	GG	GG		Provided the second to the state of the second	Garage Att, Au. Co.
Ammonia-Nitrogen (00610)	PERMIT-REQUIREMENT					Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	-Grab
CI 1 1 CT 1 (2 CT 2)	SAMPLE MEASUREMENT	***	***		***	GG	GG			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Clamtrol CT-1 (04251)	PERMIT REQUIREMENT					.034 Avg Mo	.034 Daily Max	mg/L	See Permit	24-Hr Composite
FI (F00F0)	SAMPLE MEASUREMENT	25,4	27.5		***	***	***		Continuous	Measured
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					Continuous	Measured
Total Devictor Ottober (TDO) (50000)	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
Form Auditable Obligator (50004)	SAMPLE MEASUREMENT	***	***		***	<.02	.12		Continuous	Recorded
Free Available Chlorine (50064)	PERMIT REQUIREMENT					2 Avg Mo	5 Daily Max	mg/L	Continuous	Recorded



PARAMETER		QUAN	TITYOR LOA	DING	QUAI	TITY OR C	ONCENTRAT	TION	OAMBI NIG EDECLIENCE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	- SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***		***	GG	GG			
Hydrazine (81313)	PERMIT REQUIREMENT	的大型的E				.007 Ava Mo	.007 Daily Max	mg/L	1/week	Gräb
Facility Comments			11.7.13		Transfer trans a six		. s. Pany, War.		The second of th	<u> </u>



Facility Comments

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

NAME:	FIRSTENERGY NUCLEAR OPR CO) 	[PA002561	15] [002		Report	ing Frequ	encv:	Monthly	
ADDRESS	76 S MAIN ST, AKRON, OH , 44308	<u> </u>		PE	RMIT NUM	BER	1	OUTFA		/IBER	-l '	Effective F	-	02/01/2020	
FACILITY:	FIRSTENERGY BEAVER VALLEY F	POWER STATION 1	_				J _ L				」 DMR €	Effective T	o:	02/29/2020	
LOCATION	PA ROUTE 168, SHIPPINGPORT, I	PA , 15077				MONE	TORING I	PERIOD			Permit	Expires:		12/27/2006	
STAGE:	Final Effluent			YEAF	R MO	DAY] [YEAR	МО	DAY	Permit	Application	on Due:	06/30/2006	
			FROM	2020	02	01] or [2020	02	29	No Dis	charge:			
	PARAMETER		QU	ANTIT	YORLO	ADING		QUA	NΠΓ	YORCO	NCENTRA	TON			
			VALUE		VAL	UE	UNITS	VALUE	₹ V	ALUE	VALUE	UNITS	SAN	IPLING FREQUENCY	SAMPLING TYPE
	Flow (50050)	SAMPLE MEASUREMENT	.006	90 N 96 N 5	.04			***		***	***			1/week	Estimate
	1 108 (00000)	PERMIT REQUIREMENT	Monitor & Re Avg Mo	35 F. F. 198 W.	Monitor 8 Daily	Report Max	MGD				•••			1/week	Estimate



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	 5]		003		Reporting Frequency:	Monthly
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM	IT NUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					_				DMR Effective To:	02/29/2020
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				МОМП	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR /	мо	DAY	ļ	YEAR	МО	DAY	Permit Application Due:	06/30/2006
		FROM	2020	02	01	ОΤ	2020	02	29	No Discharge:	

PARAMETER		QUANT	TY OR LOADING		QUAN	TITY OR CO	ONCENTRA	ATION	0.4454.546.555	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	.126	.177	,-	***	***	***		2/month	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD			W#J.N		2/month	Estimate
Facility Comments			<u> </u>		87 S. S. S. S. K.O.	Party that swings	11: 51: 14: 13: 14: 15: 14: 15: 14: 15: 14: 15: 15: 15: 15: 15: 15: 15: 15: 15: 15		[And the this to the Land 19 19 19]	The Address from the control



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5	1		004		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	IT NUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	02/29/2020
OCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONE	TORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	МО	DAY		YEAR	МО	DAY	Permit Application Due:	06/30/2006
		FROM	2020	02	01	στ	2020	02	29	No Discharge:	D

PARAMETER		QUANT	TY OR LOADING		QUAN	ITTY OR C	ONCENTRA	TION		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***		· · · · · ·	***				
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT		13. 1 404.5 23.5 400.5		***	### ###	***	 	Complete of the Activities of the State of t	This will be an i
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD		T A STOR		1	1/űveek	Measured
	SAMPLE MEASUREMENT	***	***	1	***	(E) (1.1) (E) (1.9)	Property States			<u> </u>
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT	***		9 2		.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	3 g	K 35 49 11 11 11 11 11 11 11 11 11 11 11 11 11		Francisco Comento Sente Constitution of	844 (Nyeth 4#4) 1 1
Free Available Chlorine (50064)	PERMIT REQUIREMENT			<u> </u>	A Section 1		.5 Daily Max	mg/L	1/Week	Gab
Facility Comments						In the state of the state of	13	l	P 4 (1971) 148 14 1974 (994) [NAS (1994) 188 (1994)	1.8883 1883 1 <u>1.00</u> 19



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 NUN	BER	DMR Effective From:	02/01/2020
	FIRSTENERGY BEAVER VALLEY POWER STATION 1	,								DMR Effective To:	02/29/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent	·		МО	DAY		YEAR	МО	DAY	Permit Application Due:	06/30/2006
		FROM	2020	02	01] στ [2020	02	29	No Discharge:	

PARAMETER		QUANTT	TY OR LOADING		QUAN	TITY OR CO	DNCENTRA	NON		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	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		is a sea sending to the	E.C. DONY, IVERNOVAN	Щ	grand Janes (Sy	<u>Lana, fan Pias</u>	Part Marining	L		



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5			007		Reporting Frequency:	Monthly
	76 S MAIN ST, AKRON, OH , 44308		PERM	IT NUME	BER		OUTFA	LL NUM	IBER	DMR Effective From:	02/01/2020
	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	02/29/2020
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	02	01	ОТ	2020	02	29	No Discharge:	

PARAMETER		QUANT	TY OR LOADING	_	QUAN	TITYORC	ONCENTRA	TION		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	s.u.	1/week	Grab
	SAMPLE MEASUREMENT		154 C. T T. M. 2 C. B. C. B	 	***	<u>इन्स्य इत्या हात्र</u> ***	4##	 		MAN STATE SERVE
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					1)/week	Estimate
	SAMPLE MEASUREMENT	***	***		### ###	agasa vo na cagara	File, 2 to the update of the		(2) 25 (A) 26 (A) 26 (A)	
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT				\$5 **	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***	1	***	Serving NO	CON CHINADAM DOS		[224 N. [5] STEE SONE ST. 4] S. 411 No. of Loc. 1974 415	
Free Available Chlorine (50064)	PERMIT REQUIREMENT]		.2 Ava Mo	.5 Daily Max	mg/L	1/week	Gâb
Facility Comments		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	I. Strate Car. on Sup. to Dr. P. of al	·——	partition, contract of the s	is regilero	: «Cary Iviax.		B·斯克特克斯 (2017年) 医结束点 化不足齿线 國軍 医	AND



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	0025615	;	ſ		008		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	T NUME	BER	Ī	OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	02/29/2020
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	02	01	то	2020	02	29	No Discharge:	

PARAMETER	ETER .	QUANTI	TY OR LOADING		QUAN	TITYORC	ONCENTRA	NOITA	SAMPLING EDECLIENCY	BAMBI NO TOPE
AVAINETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	s.u.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***					CHECK TO MATERIAL SECTION AND ADMINISTRATION OF THE PROPERTY O
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Ava Mo	100.0 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***				and a second of the second of	the said the said
Oil and Grease (00556)	PERMIT REQUIREMENT				ess .	15 Ava 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:
Facility Comments						1	growth are to a seed this trip with Car	· <u>·</u>	The second section with the second se	Proposition of the second seco



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5			010		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308	İ	PERMI	T NUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					•				DMR Effective To:	02/29/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				МОНП	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	МО	DAY		YEAR	МО	DAY	Permit Application Due:	06/30/2006
		FROM	2020	02	01	то	2020	02	29	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	MYORC	ONCENTRA	NOITA	CAMPI NO EDECUENCY	SAMPLING TYPE
	·	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***		7.9	***	8.1		1/week	Grab
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min	7. ALE (7. ALE	9.0 IMAX	S.U.	1/week	Grab
-	SAMPLE MEASUREMENT	***	***		***	GG	GG		The second secon	20-2 -5 2 45 545 545 455 5 1 1 1 1 1 1 1 1 1 1 1
Clamtrol CT-1 (04251)	PERMIT REQUIREMENT					.034 Avg Mo	034 Daily Max	mg/L	Dailý when Discharging	24-Hr Composite
	SAMPLE MEASUREMENT	4.32	4.32		***	***	***		1/week	Measured
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD			9. 45. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10		1/week	Measured
T.15 11 101 1 mm man	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		1/week	Grab
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT		•		ž.	.5 Avg Mo	1.25 IMAX	mg/L	1/week:	Grab
	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		1/week	Grab
Free Available Chlorine (50064)	PERMIT REQUIREMENT			_		.2 Avg Mo	.5 Daily Max	mg/L	1/week	Grab
Facility Comments			·							



NAME:

FIRSTENERGY MUCLEAR OPR CO

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

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PA0025615

Reporting Frequency:

ADDRESS	: 76 S MAIN ST, AKRON, OH , 44308	1		DEDI	455 5 11 11 11		1					Effective F		02/01/2020	
CAO! TO				PERI	MUN TIN	BEK	j	OUTFA	LL NUM	BER] DIVING	necuve r	iom:	02/01/2020	
FACILITY:	FIRSTENERGY BEAVER VALLEY P	OWER STATION 1									DMR B	ffective T	o:	02/29/2020	
LOCATION	PA ROUTE 168, SHIPPINGPORT, F	PA , 15077				MONIT	ORING	PERIOD			Permit	Expires:		12/27/2006	
STAGE:	Final Effluent	<u> </u>		YEAR	МО	DAY	ļ	YEAR	МО	DAY	Permit	Applicati	on Due:	06/30/2006	
			FROM	2020	02	01	то	2020	02	29	No Dis	charge:			
	PARAMETER		Ql	JANTITY	OR LO	ADING		QUA	ANTITY	OR CO	NCENTRA	TION	Γ		
			VALUE		VAL	UE	UNIT	S VALUI	E V	ALUE	VALUE	UNITS	SAN	IPLING FREQUENCY	SAMPLING TYPE
	Flan: (F00F0)	SAMPLE MEASUREMENT	.004		.00			***		***	***			1/week	Estimate
	Flow (50050)	PERMIT REQUIREMENT	Monitor & Re Avg Mo		fonitor & Daily	Report Max	MG) () () () () () () () () () (Pat Pat	1/week	Estimate
{	Facility Comments						-	<u> 10 40% (1808)</u>	100		SALAN ALL THE TO	<u> </u>	Alteritation	ु । अब प्राप्त विक्रमणा होत्र स्टूबर्ट नेतृत्र स्टिन्स्	的过去式与一个 _是



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FACILΠY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	02/29/2020
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	02	01	от	2020	02	29	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		(QUANTITY OR CO	ONCENTRATION			
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPI
	SAMPLE MEASUREMENT	***	***		8.1	***	8.1		1/month	Grab
рН (00400)	PERMIT REQUIREMENT		***		6.0 Inst Min		9.0 IMAX	S.U.	1/month	Grab
O T-I-I (04040)	SAMPLE MEASUREMENT	***	***		***	.071	.081		2/month	Grab
Copper, Total (01042)	PERMITREQUIREMENT					Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	Grab
Time Total (04000)	SAMPLE MEASUREMENT	***	NAW .		***	.12	.15		2/month	Grab
Zinc, Total (01092)	PERMIT REQUIREMENT		1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2			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		***	a de la constanta		1/month	Estimate
Total Disease 10 P. L. Green	SAMPLE MEASUREMENT	***	***		***	205	210		2/month	Grab
Total Dissolved Solids (70295)	PERMIT REQUIREMENT		ANTENE ANTE			Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	Grab
Facility Comments							· · · · · · · · · · · · · · · · · · ·		15 (15 (15 (15 (15 (15 (15 (15 (15 (15 (<u>6. 1. 485, 1839 (1. 21. 1. 21. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1</u>



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ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	IT NUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	02/29/2020
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	02	01	то	2020	02	29	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		(QUANTITY OR CO	ONCENTRATION		04451515	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY 1/week 1/week 2/month 2/month 2/month	SAMPLING TYPE
11 (00 (00)	SAMPLE MEASUREMENT	***	***		6.9	***	7.4		1/week	Grab
pH (00400)	PERMIT REQUIREMENT.	***	ANTANA METALONIA		6.0 Inst Min		9.0 IMAX	S.U.		Grab
O!- T-4-1 (00700)	SAMPLE MEASUREMENT	***	***		AAA	<.01	<.01			24-Hr Composite
Cyanide, Total (00720)	PERMIT REQUIREMENT				W.	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
OI (0.004)	SAMPLE MEASUREMENT	***	444		***	<,001	<.001		2/month	24-Hr Composite
Chlorobenzene (34301)	PERMIT REQUIREMENT		and the second			Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	2/month	24-Hr Composite
Conner Total (01042)	SAMPLE MEASUREMENT	***	***		***	<.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
FI - (***********************************	SAMPLE MEASUREMENT	.002	.002		***	***	***		2/month	Estimate
Flow (50050)	PERMIT REQUIREMENT	, Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					2/month	Estimate
Facility Comments									The state of the s	Par New York Control of the August Au



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5]		101		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	IT NUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	02/29/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				МОИП	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	МО	DAY		YEAR	МО	DAY	Permit Application Due:	06/30/2006
		FROM	2020	02	01	то	2020	02	29	No Discharge:	Ø

PARAMETER	1	QUANTI	TY OR LOADING		•	QUANTITY OR CO	DICENTRATION			
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***		L	***				
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	RAR	***		***		AL LOSS DELINITARION SAN FER F			F 15 15 15 15 15 15 15 15 15 15 15 15 15
Total Suspended Solids (00530)	PERMIT REQUIREMENT!"					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Composite
	SAMPLE MEASUREMENT	***	***		***	ANGWAINO				
Oil and Grease (00556)	PERMIT REQUIREMENT					. 15 Avg Mo	20 Daily Max	mg/L	1/week	Grab:
	SAMPLE MEASUREMENT	444	***		***	r	, could they		STATE OF SALESSY TO THE REST OF SALES SALES SALES	<u>జాను మీదిన లోతా కి చింది</u>
Ammonia-Nitrogen (00610)	PERMIT REQUIREMENT					Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	//week	Grab
- ()	SAMPLE MEASUREMENT				***	444	***		the first the state of the second state of the	2 - 18 - 5 18 - 18 - 18 - 18 - 18 - 18 -
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					Continuous	Measured
	SAMPLE MEASUREMENT	***	***		***	Common C. eg. 1 (Sec.) Let 10 e	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			<u> </u>
Hydrazine (81313)	PERMIT REQUIREMENT					Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
Facility Comments							1 Table 1 Tabl		transport of the state of the season of the	1-1 141. 131 1 1 2V-14.



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5			102		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUME	BER		OUTFA	LL NUM	IBER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	,								DMR Effective To:	02/29/2020
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	02	01	σ	2020	02	29	No Discharge:	

PARAMETER		QUANT	TY OR LOADING		QUAN	TTTY OR C	ONCENTRA	NOITA		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***		7.7	***	7.9		2/month	Grab
pH (00400)	PERMIT REQUIREMENT		**************************************		6.0 Inst Min		9.0 IMAX	s.u.	2/month	Grab
Total Supposed Salida (00500)	SAMPLE MEASUREMENT	***	***		***	9.0	10.2		2/month	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
01 and 0 (00550)	SAMPLE MEASUREMENT	***	***		***	<5	<5		2/month	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT					15 Avg Mo	20 Dally Max	mg/L	2/month	Grab
FI (F00F0)	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						2 44 42	2000 1000 1000		logica (militaria del deservo mento de 1800 de 1810).	<u>હિલ્લાનું છુટ , જાઈએ તેવ</u> , સંસ્



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5] [103		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	T NUME	3ER		OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					, ,				DMR Effective To:	02/29/2020
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	02	01	σ	2020	02	29	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	TITYORC	ONCENTRA	NOITA		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
11 (22 122)	SAMPLE MEASUREMENT	***	***		7.6	***	7.9		2/month	Grab
pH (00400)	PERMIT REQUIREMENT	京社会			6.0 Inst Min		9.0 IMAX	s.u.	2/month	Grab
T-1-1 C	SAMPLE MEASUREMENT	***	***		***	<4.6	5.2		2/month	24-Hr Composite
Total Suspended Solids (00530)	PERMIT REQUIREMENT	自由的				30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	24-Hr Composite
_	SAMPLE MEASUREMENT	.126	.177		###	***	***	 	2/month	The Control of
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					2/month	Estimate Estimate
Facility Comments			THE STREET, ST		See No constitution of the	A December 1 Sec 1980.	D 1973 - 1 6.8 28.24.66.0			Mr. C. Mr.



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5	1		111		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	IT NUMI	BER		OUTFA	LL NUM	IBER	DMR Effective From:	02/01/2020
	FIRSTENERGY BEAVER VALLEY POWER STATION 1	•								DMR Effective To:	02/29/2020
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	02	01	ОΤ	2020	02	29	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING		QUAN	TTYORC	ONCENTRA	MOITA		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***		6.6	***	8.4	<u> </u>	1/week	Grab
pH (00400)	PERMIT REQUIREMENT		***		6.0' Inst Min:		9.0 IMAX	s.u.	//week	Grab
	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0	-	1/week	Grab
Total Suspended Solids (00530)	PERMITREQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Gab
	SAMPLE MEASUREMENT	***	***	<u> </u>	# 12030 4 1 1000 ###	<5	<5	 	1/week	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT	A TOP AND THE				1000	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					**************************************	1 × 200 × 640 € 140.	12 (CHE 120 BL) (6 12 1		18 ACT (01 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	



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:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1	_								DMR Effective To:	02/29/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent			МО	DAY		YEAR	МО	DAY	Permit Application Due:	06/30/2006
		FROM	2020	02	01	στ	2020	02	29	No Discharge:	

PARAMETER		QU.	ANTITY OR LOAD!	٧G	QUA	NTTYOR	CONCENTR	RATION		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	RHS			***	<u> </u>			
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TON THE PARTY OF			
Total Suspended Solids (00530)	PERMIT REQUIREMENT.]		30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite
FI (50050)	SAMPLE MEASUREMENT				***	444	***		<u> </u>	<u>, laragett a tiep (b. s. b. j.</u>
Flow (50050)	PERMIT REQUIREMENT	.043 Avg Mo	Monitor & Report Daily Max	MGD					1/week	Measured
Total Desidual Chlorina (TDC) (F0000)	SAMPLE MEASUREMENT	***	***		***		3.47,, 3.7		Alternative Control of the Control o	<u> </u>
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT					1.4 Avg Mo	3.3 IMAX	mg/L	2/month	Grab
Front Orling attemp	SAMPLE MEASUREMENT	***	***		***		***		5 134 V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00 <u>1 </u>
Fecal Coliform (74055)	PERMIT REQUIREMENT					2000 Geo Mean		No./100 mi	2/month	Grab
Carbonaceous Biochemical Oxygen Demand	SAMPLE MEASUREMENT	***	***		***					<u> 1944 yr Lawferffrig afrikagif kart</u>
(CBOD5) (80082)	PERMIT REQUIREMENT					25.0 Avg Mo	50.0 Daily Max	mg/L	2/month	8-Hr Composite
Facility Comments		<u> </u>					C (2) e - 1		1800 A12 40 A12 10 10 10 10 10 10 10 10 10 10 10 10 10	<u>in a saparatio</u>



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5]		203		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	02/29/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077	j			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	02	01	ОТ	2020	02	29	No Discharge:	

PARAMETER	_	QU	ANTITY OR LOAD!	VG	QUA	NTITYOR	CONCENT	RATION		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***			***	 			
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min	是 100 mm	9.0 NIMAX	s.u.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	A Part of the Control of the	A CONTRACTOR OF STREET		Section 19	\$1566.25 \$1500.50 <u>\$1.50</u>
Total Suspended Solids (00530)	PERMIT REQUIREMENT				a *****	30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8 Hr Composite
Fl (F00F0)	SAMPLE MEASUREMENT				***	***	***		SARAN SA WIT STATE BARRETS BUY RESIDEN	<u> </u>
Flow (50050)	PERMIT REQUIREMENT	.023 Avg.Mo	Monitor & Report Daily Max	MGD			ere de la companya de		1/week	Measured
Total Desistant Otto de a CEDO) (CORROL)	SAMPLE MEASUREMENT	444	***		***		3,0,3,1,24,		Account to the second s	<u> Baran Bergitt, Propinsi Stanting</u>
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT.					1.4 Avg Mo	3.3 IMAX	mg/L	2/month	Grab
F 1 O N	SAMPLE MEASUREMENT	***	***		***	1.50, 11 9 .51 15 1	***		10 1 10 10 10 10 10 10 10 10 10 10 10 10	PARTIE STATE AND LOSS OF THE
Fecal Coliform (74055)	PERMIT REQUIREMENT				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2000 Geo Mean		No./100 ml	2/month	Grab.
Carbonaceous Biochemical Oxygen Demand	SAMPLE MEASUREMENT	***	***		***		1 (c)		D 68 (- 12 20 W) 1	2.37 CK 27572 4 1 50
(CBOD5) (80082)	PERMIT REQUIREMENT					25.0 Avg Mo	50.0 Daily Max	mg/L	2/month	8-Hr Composite
Facility Comments									gath satisfied in the satisfaction of the satisfied	<u> Bertan kalin Perindak kana 17 Per</u>

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]		211		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERM	T NUM	BER	1	OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					•				DMR Effective To:	02/29/2020
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	02	01	то	2020	02	29	No Discharge:	

PARAMETER		QUANT	TY OR LOADING		QUAN	TITYORC	ONCENTRA	TION		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***		6.4	***	8.5		1/week	Grab
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	s.u.	1/week	Grab
Total Commanded Callda (00500)	SAMPLE MEASUREMENT	***	***		***	11.9	34.0		1/week	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and One as (00550)	SAMPLE MEASUREMENT	***	***		***	<5	<5		1/week	Grab
Oil and Grease (00556)	PERMIT REQUIREMENT					15 Ava Mo	20 Daily Max	mg/L	1/week	Grab
F1 (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD		13. 1 13.7			1/week	Estimate
Facility Comments						In right print, the Co. 1 C.	projument (Statistical)		Les der 1000 to 2015, for the principle of 1500 to	The state of the s



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5]		213		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	02/29/2020
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	02	01	סד	2020	02	29	No Discharge:	

PARAMETER		QUANT	TY OR LOADING		QUAN	TITYORC	ONCENTRA	TION		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***		·	***				
pH (00400)	PERMITREQUIREMENT				6.0 Inst Min		9.0 IMAX	S.U.	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	GABBET STORY	a with indicators and	·		1.432 1.44 1.4
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	37 Hg 1710	-Culy (vice)			<u>歌争之中歌(1097)为,""。</u>
Oil and Grease (00556)	PERMIT REQUIREMENT		***			15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT		Comment to September 1919 (1932) 15	<u> </u>	***	***	***		a Proposition and appropriate the property of	CHOLOROPHICAL COL
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report Daily Max	MGD					1/week	Estimate
	SAMPLE MEASUREMENT	***	***		****************	32 335 11 C 2 W	12 An		The first time and a series of the first time to be the series of the se	Later St. St. Average St. Feb. 1
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT					.5 Avg Mo	1.25 IMAX	mg/L	2/month	Grab
Facility Comments			<u> </u>		Bar	<u>a</u>	: Head Alle			V. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	5]		301		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	T NUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	02/29/2020
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	02	01	στ	2020	02	29	No Discharge:	

PARAMETER otal Suspended Solids (00530) Oil and Grease (00556)	· ·	QUANTI	TY OR LOADING		QUAN	TTYORC	ONCENTRA	TION	SAMPLING EDECLIENCY	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		2/month	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT	A STATE OF S			•	30.0 Ava Mo	100.0 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	***	***		***	<5	<5		2/month	Grab
Oil and Grease (00556)	PERMITREQUIREMENT					15 Avg Mö	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		70 N			1/week	Estimate
Facility Comments						10.41. 4.1.	100 11 100 11 10		Electronic of the property of the property of the property of	<u> 4 en 5-30 th, 110 th</u>

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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		PERMI	T NUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	02/29/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent			МО	DAY		YEAR	мо	DAY	Permit Application Due:	06/30/2006
		FROM	2020	02	01	от	2020	02	29	No Discharge:	<u> </u>

PARAMETER		QUANT	TY OR LOADING		QUAN	TITYORC	ONCENTRA	NOITA	SAMPLING EDEOLIENCY	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	frit			***	-	 		
pH (00400)	PERMIT REQUIREMENT		10 2 1 to 10 10 10 10 10 10 10 10 10 10 10 10 10		6.0 Inst Min		9.0	s.u.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	M 12-1 17-11-3	Consultation of the		CARTE STUDY PROPERTY TO LIFE WAY 10 THESE	Burn to a lite of the
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	SAMPLING FREQUENCY 1/week 1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	<u> </u>	7,000	 	British A. Williams St. 18 1990 July	1 1 12 62 et . 1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Oil and Grease (00556)	PERMIT REQUIREMENT					15 Ava Mo	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT				***	***	***	-	the second of th	<u> </u>
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	**************************************				1/week	Estimate
Facility Comments						and the second of the second of the second	- 40 g - 40 d 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Market of the North Park to the Control of the Cont	1 - 1 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA	002561	 5] i		313		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMI	TNUM	BER		OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1									DMR Effective To:	02/29/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA, 15077				MONI	TORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent		YEAR	МО	DAY		YEAR	МО	DAY	Permit Application Due:	06/30/2006
		FROM	2020	02	01] от [2020	02	29	No Discharge:	

PARAMETER	i	QUANTI	TY OR LOADING		QUAN	ITITY OR C	ONCENTRA	NOITA		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***	†	6.9	***	7.4		1/week	Grab
pH (00400)	PERMIT REQUIREMENT	The state of the s			6.0 Inst Min		9.0 IMAX	S.U.	1/week	Grab
Total Supranded Octide (00000)	SAMPLE MEASUREMENT	***	***		***	6.7	10.4		1/week	Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT	•				30.0 Avg Mo	100.0 Daily Max	mg/L.	1/week	Gráb.
Oil and One of (00550)	SAMPLE MEASUREMENT	***	***		444	<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 Dally Max	MGD	No.		10.1020	1	1/week	Estimate
Facility Comments						[10 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1 5 5 - 15 66 5 5	<u> </u>	Market and the property of the first of the	PACIFICATION OF STREET

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	1002561	5]		401	-	Reporting Frequenc	y: Month	ıly	
ADDRESS	76 S MAIN ST, AKRON, OH , 44308		PERM	IT NUM	BER	1	OUTE	LL NUM	BER	DMR Effective From	n: 02/01 /	2020	
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1					•				DMR Effective To:	02/29/	2020	
LOCATION	PA ROUTE 168, SHIPPINGPORT, PA, 15077				МОПП	TORING	PERIOD			Permit Expires:	12/27/	2006	
STAGE:	Final Effluent		YEAR	МО	DAY		YEAR	МО	DAY	Permit Application [Due: 06/30/	2006	
		FROM	2020	02	01	оτ	2020	02	29	No Discharge:			
			ANITTO										
	PARAMETER	QU	ANTITYO	KLOA	NDING		QU	ANTITY	ORCO	NCENTRATION	SAMPI IN	G FREQUENCY	SAMPLING TYPE

PARAMETER		QUANTI	TY OR LOADING		QU/	ANTITY OF	RCONCENTRATI	ON	SAMPLING FREQUENCY 2/month 2/month 2/month 2/month 1/week	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYPE
	SAMPLE MEASUREMENT	***	***		10.3	***	GG			
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		Monitor & Report	S.U.		Grab
7.10	SAMPLE MEASUREMENT	###	***		***	<5.1	6.2			Grab
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	2/month-	Grab
	SAMPLE MEASUREMENT	***	***		***	<5.1	<5.1			Grab
Oil and Grease (00556)	PERMIT REQUIREMENT					15 Ava Mo	20 Daily Max	mg/L	2/month	Grab
	SAMPLE MEASUREMENT	.001	.001	1	***	***	***		1/week	Estimate
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD					1/week	Estimate
Facility Comments						Contract All sections	the contract to the contract of the contract o	<u> </u>	1 month 30 - 2 Server Alle Let 12 April 1 male and 1 1/2	<u>च्याच्याक् विक्रियों का लेक्</u> र



NAME:	FIRSTENERGY NUCLEAR OPR CO		Г	PAG	002561	5		<u> </u>	403		Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308			PERMI	T NUME	BER		OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1		_		_						DMR Effective To:	02/29/2020
LOCATION:	PA ROUTE 168, SHIPPINGPORT, PA , 15077		L	· ·		MONIT	ORING	PERIOD			Permit Expires:	12/27/2006
STAGE:	Final Effluent			YEAR	МО	DAY		YEAR	МО	DAY	Permit Application Due:	06/30/2006
		FF	ROM _	2020	02	01	то	2020	02	29	No Discharge:	

PARAMETER		QUANTI	TY OR LOADING	i	(QUANTITY OR C	ONCENTRATION			
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	SAMPLING TYP
	SAMPLE MEASUREMENT	***	***			***				
pH (00400)	PERMIT REQUIREMENT		建制数 套	\$,	6.0 Inst Min	***	9.0	S.U.	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	Contract Services of Annual Contract	THE PERSON NAMED IN COLUMN	-	<u>Barthar in Brillia de Corlla d'Association (Albert Co</u>	Bar V. Branch B.
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***	3.5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	is to bear in the section		Both to be both the both the state of the both the state of the state	18 (20 x 17 (20 x 17 x 1
Oil and Grease (00556)	PERMITREQUIREMENT					15 Avg Mö	20 Daily Max	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***	1	***	3	, <u>2</u> ,	<u> </u>	and the state of t	\$1, 230, 18, 10 TV
Ammonia-Nitrogen (00610)	PERMIT REQUIREMENT					Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab-
	SAMPLE MEASUREMENT	***	***		***				the second of the second secon) ** / 1 1 1 1 m
Clamtrol CT-1 (04251)	PERMIT REQUIREMENT					.001 Avg Mo	.001 Dáily Max	mg/L	Daily when Discharging	24-Hr Composi
_	SAMPLE MEASUREMENT				***	***	414		Sec. 10 Sec. 2 Sec. 20	
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD			第四十二		1/week	Estimate
	SAMPLE MEASUREMENT	***	***		***				on the state of th	#2 2ek. 1 19 kr. 1
Total Residual Chlorine (TRC) (50060)	PERMIT REQUIREMENT		3.50 3.5 0 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.5			.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
	SAMPLE MEASUREMENT	***	***		***		3,7,7			12 . 14 . 14 . 4 . 4 . 4
Hydrazine (81313)	PERMIT REQUIREMENT		以为 为			.001 Avg Mo	:001 Daily Max	mg/L	1/week	Grab:
Facility Comments									THE POST OF THE PROPERTY OF THE CONTROL OF THE CONT	L 0581438 # 517



NAME:	FIRSTENERGY NUCLEAR OPR CO		PA0025615]	413			Reporting Frequency:	Monthly
ADDRESS:	76 S MAIN ST, AKRON, OH , 44308		PERMIT NUMBER (OUTFA	LL NUM	BER	DMR Effective From:	02/01/2020	
FACILITY:	FIRSTENERGY BEAVER VALLEY POWER STATION 1								DMR Effective To:	02/29/2020	
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	02	01	то	2020	02	29	No Discharge:	

PARAMETER	·	QUANT	QUAN	ITITYORC	ONCENTRA	NOITA					
INVAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCY	, SAMPLING TYPE	
	SAMPLE MEASUREMENT	***	***			***					
pH (00400)	PERMIT REQUIREMENT				6.0 Inst Min		9.0 IMAX	s.u.	1/week	Grab	
	SAMPLE MEASUREMENT	***	***		***					a gareey way ey year	
Total Suspended Solids (00530)	PERMIT REQUIREMENT					30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab	
	SAMPLE MEASUREMENT	***	***		***					4 1,31,23448 (31,38479)	
Oil and Grease (00556)	PERMIT REQUIREMENT		A STATE OF THE STA			- 15 Ava Ma	20 Daily Max	mg/L	1/week	Grab	
	SAMPLE MEASUREMENT				***	***	***		201 Sec. 10 - 200 Oct 1 200 Oct 200 Oct 1 200	N. S. C. S.	
Flow (50050)	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD		1			2/month	Estimate	
Facility Comments				-		1	15 12. 17. 17. 12.		14 Medical Residence of the activities of the Conference of the	4 12 18 1 2 12 13 13 1 1 1 1 1 1 1 1 1 1 1 1 1	

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

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME:	FIRSTENERGY NUCLEAR OPR	100			PA002561	15			601		Repor	ting Frequ	ency:	Monthly	
ADDRESS	: 76 S MAIN ST, AKRON, OH , 4	4308		PERMIT NUMBER			OUTFALL NUMBER			DMR	Effective F	rom:	n: 02/01/2020		
FACILITY:	FIRSTENERGY BEAVER VALLE	EY POWER STATION 1									 DMRI	Effective 1	-o:	02/29/2020	
LOCATION	: PA ROUTE 168, SHIPPINGPOR	RT, PA , 15077				MONT	TORING	PERIOD			Permi	t Expires:		12/27/2006	
STAGE:	Final Effluent			YEA	R MO	DAY		YEAR	МО	DAY	Permi	Permit Application Due: 06/30/2006			
			FROM	2020	0 02	01	ੁ ਹਾ	2020	02	29	No Dis	scharge:		<u> </u>	
	PARAMETER		QL	JANTIT	YORLO	ADING		QUA	NTITY	OR C	ONCENTRA	ATION	241	ADJ. N.O. EDECLIEVOV	
			VALUE		VAL	UE .	UNITS	VALUE	E V	ALUE	VALUE	UNITS	SAN	MPLING FREQUENCY	SAMPLING TYPE
Total Suspended Solids (00530)		SAMPLE MEASUREMENT	***		**			***							
		PERMIT REQUIREMENT							Nº 1 - 15	30.0 va Mo	100.0 Daily Max	mg/L		1/week	Grab
		SAMPLE MEASUREMENT					1	***	T -	***	***	†	9 . 60 . 6,0 (4.5)	The state of the state of the second	

CON	ARAFI	TI	TA	11 8

Flow (50050)

Facility Comments

		T	
COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER

MGD

This report is intended to show "No Discharge" for outfall 501. BVPS site NPDES permit does not have an outfall 601. Recent Greenport updates have changed outfall 501 to 601.

1/week

Estimate

Monitor & Report

Daily Max

Monitor & Report

Avg Mo

PERMIT REQUIREMENT



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name:	FiretEnergy	Muclear Operating Company				_			
Address:	P.O. Box 4								
	Shippingpo	rt, PA 15077	<u>-</u> -						
	Beaver Vall	ley Power Station							
	PERMIT N		<u>.</u>	MONITOR Year/!	RING F				
	PA002	5615	2020	02	01	то	2020	02	29
	-a. vis " jórgagissa	Article and describe the last to the first terms	D constant						
PARAMET	ER	ANALYSIS METHOD		AB NAME	的。 第一章		LAB II	D NUMBE	R ²
Total Residual (Chlorine	SM 4500-CL G [20 th]	Beaver V	alley Powe	r Station		0	4-2742	
Free Available (Chlorine	SM 4500-CL G [20 th]	G [20th] Beaver Valley Power Station				04-2742		
pН	*	SM 4500-H+ B [20 th]	Beaver Valley Power Station				04-2742		
Temperatu	ıre	SM 2550 B [20 th]	Beaver V	alley Powe	r Station		Ó	4-2742	
Flow		NA	Beaver V	alley Powe	r Station		0	4-2742	
Total Suspended S	olids (TSS)	SM 2540 D [20 th]	Beaver V	alley Powe	r Station		0	4-2742	
Quaternary Amine C	Compounds	Photometric Determination	Beaver V	alley Powe	r Station		0	4-2742	
		1⁄₂-CHM-ANA-4.23H							
Bentonite Deto	xicant	Estimated using feed rate and discharge flow rate per NPDES Permit PA0025645	Beaver Va	alley Power	Station		04	4-2742	
Hydrazine	€	ASTM D1385-01	Beaver Va	alley Power	Station		04	4-2742	
								<u> </u>	

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: <u>724-682-7773</u>	Signature of Principal Executive Officer or Authorized Agent
Matthew J. Enos General Plant Manager	Date: 3/23/20	A Recorded to the second secon

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

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



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name:	FirstEnergy	Nuclear Operating Company	/		· · · · · ·						
Address:	P.O. Box 4										
	Shippingpo	rt, PA 15077	·								
	Beaver Vall	ey Power Station									
	PERMIT N	UMBER			MONITO Year/	RING F Month/		.			
	PA0025	5615	2020	02	01	то	2020	02	29		
PARAMET	ER	ANALYSIS METHOD	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LAB NAME			LARI	D NUMBE	R ²		
Zinc	and the second s	EPA 200.7 Rev 4.4	1. (C) 1.41 W 21 . 42 25	erica-Pittsb	titu (imaturi) (m) url		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	2-00416			
Copper		EPA 200.7 Rev 4.4	Test Am	urgh Lab		02-00416					
Iron		EPA 200.7 Rev 4.4	Test Am	Test America-Pittsburgh Lab				02-00416			
Chromiu		EPA 200.7 Rev 4.4	Test Am		02-00416						
Ammonia	a	SM 4500 NH3 F	Test Amo	erica-Pittsb	urgh Lab			2-00416	· · · · · · · · · · · · · · · · · · ·		
Cyanide		SM 4500-CN E	Test Ame	erica-Pittsb	Isburgh Lab		02-00416		J. 1 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
Chlorobenz		EPA 624	Test Ame	erica-Pittsb	urgh Lab	•	02	2-00416			
Oil and Gre	ase	EPA 1664 Rev A		nerica-Cani	anton Lab		68-0034				
Copper		EPA 200.8	Test Ame	Test America-Pittsburgh L			02-00416				
Total Dissolved So	olids (TDS)	SM 2450 C		Test America-Pittsburgh L			02-00416		<u> 21:5)</u>		
Oil and Gre	ase	EPA 1664 Rev A	Test Ameri	ca-Lancast	er PA Lab		36	3-00037	. :		
		* 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	Signature of Principal Executive Officer or Authorized Agent
Matthew J. Enos General Plant Manager	Date: 3/23/20	lh.

¹ Submit this form with the first Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Beporting 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.

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