



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

May 14, 2021  
L-21-144

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 2021 NPDES Discharge Monitoring Report (DMR) for Energy Harbor Nuclear Corp, 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, however the required sampling frequency at Outfall 001 was not met. BVPS NPDES Permit (PA0025615) requires continuous, measured flow at Outfall 001. Outfall 001 flowmeter equipment malfunction occurred on September 8, 2020 resulting in no available flow data for the months of September 2020 through April 2021. An internal notification was generated for equipment repair and repairs are in progress. Two non-compliance reports were automatically generated in eDMR.

No new US NRC commitments are contained in this letter. Should you have any questions regarding the attached and enclosed documents, please direct them to Amy Savage, at 724-682-7359.

Sincerely,

A handwritten signature in black ink, appearing to be "M. Enos".

Matthew J. Enos  
General Plant Manager

TEZ5  
NRR

Beaver Valley Power Station, Unit Nos. 1 and 2  
L-21-144  
Page 2

Attachment(s):

1. Weekly Dissolved Oxygen Monitoring Results at Outfall 001

Enclosure(s)

- A. Monthly Discharge Monitoring Report
- B. Supplemental Laboratory Accreditation Form

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  
April 2021

**ATTACHMENT 1****Weekly Dissolved Oxygen Monitoring Results at Outfall 001**

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

<b>SAMPLE DATE</b>	<b>SAMPLE TIME</b>	<b>VALUE</b>	<b>UNITS</b>
04/04/2021	08:59 AM	4.00	mg/L
04/11/2021	09:04 AM	9.00	mg/L
04/18/2021	11:34 AM	9.00	mg/L
04/25/2021	09:00 AM	9.00	mg/L

- Attachment 1 END -

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Enclosure A  
L-21-144

Monthly Discharge Monitoring Report



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH, 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA, 15077  
 STAGE: Final Effluent

PA0025615  
 PERMIT NUMBER

001  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	FROM	2021	04	30
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE		
Dissolved Oxygen (00300)	SAMPLE MEASUREMENT	***	***		***	***	9.0	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	***	Monitor & Report IMAX	Monitor & Report	Monitor & Report
pH (00400)	SAMPLE MEASUREMENT	***	***		7.6	***	8.3	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***	<.15	<.2	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	1/week	Grab
Clamrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	GG	GG		
	PERMIT REQUIREMENT	***	***		***	.034 Avg Mo	.034 Daily Max	See Permit	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	E	E	MGD	***	***	***		
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***	Continuous	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	<.05	.10	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	<.02	<.02	Continuous	Recorded
	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.5 Daily Max	Continuous	Recorded



**COMMONWEALTH OF PENNSYLVANIA  
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BUREAU OF CLEAN WATER**

**DISCHARGE MONITORING REPORT (DMR)**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Hydrazine (81313)	SAMPLE MEASUREMENT	***	***		***	<.001	<.001		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.007 Avg Mo	.007 Daily Max	mg/L	1/week	Grab
Facility Comments										



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NAME: ENERGY HARBOR NUCLEAR CORP

ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014

FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077

STAGE: Final Effluent

PA0025615
PERMIT NUMBER

002
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 04/01/2021

DMR Effective To: 04/30/2021

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

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



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

PA0025615
PERMIT NUMBER

003
OUTFALL NUMBER

Reporting Frequency: Monthly  
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 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

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2021	04	01	TO	2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.159	.543		***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
Facility Comments										





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

PA0025615  
 PERMIT NUMBER

004  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
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 Permit Expires: 12/27/2006  
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YEAR	MO	DAY		YEAR	MO	DAY	
2021	04	01	TO	2021	04	30	

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report: Avg Mo	Monitor & Report: Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.5 Daily Max	mg/L	1/week	Grab
Facility Comments										



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BUREAU OF CLEAN WATER**

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44306-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

**PA0025615**  
 PERMIT NUMBER

**006**  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

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



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BUREAU OF CLEAN WATER**

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615  
 PERMIT NUMBER

007  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	FROM	2021	04	30 TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.5 Daily Max	mg/L	1/week	Grab
Facility Comments										



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

PA0025615  
 PERMIT NUMBER

008  
 OUTFALL NUMBER

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MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 MAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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



PA0025615
PERMIT NUMBER

010
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	FROM	2021	04	30
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.4	***	7.8		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Clamrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	GG	GG			
	PERMIT REQUIREMENT	***	***		***	.034 Avg Mo	.034 Daily Max	mg/L	Daily when Discharging	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	2.6	2.9		***	***	***		1/week	Measured
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	<.04	.06		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	<.03	.04		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.6 Daily Max	mg/L	1/week	Grab
Facility Comments										



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

**COMMONWEALTH OF PENNSYLVANIA  
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LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
STAGE: Final Effluent

PA0025615
PERMIT NUMBER

011
OUTFALL NUMBER

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MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.004	.004		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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PA0025615
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YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	FROM	2021	04	30
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.9	***	8.1	S.U.	1/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min.	***	9.0 IMAX		1/month	Grab
Copper, Total (01042)	SAMPLE MEASUREMENT	***	***		***	.038	.048	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***	.03	.03	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	1.5 Avg Mo	1.5 Daily Max		2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT	.001	.001	MGD	***	***	***		1/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/month	Estimate
Total Dissolved Solids (70295)	SAMPLE MEASUREMENT	***	***		***	260	290	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
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FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.3	***	7.6	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 MAX		1/week	Grab
Cyanide, Total (00720)	SAMPLE MEASUREMENT	***	***		***	<.01	<.01	mg/L	2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Chlorobenzene (34301)	SAMPLE MEASUREMENT	***	***		***	<.001	<.001	mg/L	2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Copper, Total (01042)	SAMPLE MEASUREMENT	***	***		***	<.025	<.025	mg/L	2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	.002	.002	MGD	***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Facility Comments										





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 STAGE: Final Effluent

PA0025615
PERMIT NUMBER

101
OUTFALL NUMBER

Reporting Frequency: Monthly  
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MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
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PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Composite
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		Continuous	Measured
Hydrazine (81313)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615  
 PERMIT NUMBER

102  
 OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 04/01/2021

DMR Effective To: 04/30/2021

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.3	***	7.6		2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 MAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<7.7	11.4		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.1	<5.2		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT	.001	.001		***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615
PERMIT NUMBER

103
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.7	***	7.8		2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 MAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	4.7	4.7		2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	.173	.543		***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP

ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014

FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077

STAGE: Final Effluent

PA0025615
PERMIT NUMBER

111
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 04/01/2021

DMR Effective To: 04/30/2021

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2021	04	01	FROM	2021	04	30	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.7	***	8.0		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.1	<5.2		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615  
 PERMIT NUMBER

113  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2021	04	01	FROM	2021	04	30	TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	.043 Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	1.4 Avg Mo	3.3 IMAX	mg/L	2/month	Grab
Fecal Coliform (74055)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	2000 Geo Mean	***	No./100 ml	2/month	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	25.0 Avg Mo	50.0 Daily Max	mg/L	2/month	8-Hr Composite
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615
PERMIT NUMBER

203
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2021	04	01		2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 MAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	.023 Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	1.4 Avg Mo	3.3 MAX	mg/L	2/month	Grab
Fecal Coliform (74055)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	2000 Geo Mean	***	No./100 ml	2/month	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	25.0 Avg Mo	50.0 Daily Max	mg/L	2/month	8-Hr Composite
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615  
 PERMIT NUMBER

211  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		6.9	***	7.0		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	13.5	29.5		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.1	<5.2		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615
PERMIT NUMBER

213
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 08/30/2006  
 No Discharge: ☒

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2021	04	01		2021	04	30

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





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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

**PA0025615**  
 PERMIT NUMBER

**301**  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615
PERMIT NUMBER

303
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2021	04	01	FROM	2021	04	30	TO

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



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP

ADDRESS: 168 E MARKET ST, AKRON, OH, 44308-2014

FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION: PA ROUTE 168, SHIPPINGPORT, PA, 15077

STAGE: Final Effluent

PA0025615
PERMIT NUMBER

313
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 04/01/2021

DMR Effective To: 04/30/2021

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	FROM	2021	04	30
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.3	***	7.6		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	9.8	13.2		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.6	6.6		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

**PA0025615**  
 PERMIT NUMBER

**401**  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		9.0	***	GG			
	PERMIT REQUIREMENT	***	***		6.0	***	Monitor & Report Inst Min IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.3	<5.3		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT	.001	.001		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH, 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA, 15077  
 STAGE: Final Effluent

PA0025615  
 PERMIT NUMBER

403  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01		2021	04	30

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



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH, 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA, 15077  
 STAGE: Final Effluent

PA0025615
PERMIT NUMBER

413
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	FROM	2021	04	30 TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP

ADDRESS: 168 E MARKET ST, AKRON, OH, 44308-2014

FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1

LOCATION: PA ROUTE 168, SHIPPINGPORT, PA, 15077

STAGE: Final Effluent

PA0025615
PERMIT NUMBER

501
OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 04/01/2021

DMR Effective To: 04/30/2021

Permit Expires: 12/27/2006

Permit Application Due: 06/30/2006

No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										

**ATTACHMENT DETAILS**

FILE NAME	ATTACHMENT TYPE	UPLOADED TIME	ATTACHMENT COMMENT
Supplemental Lab Accreditation Form	Laboratory Accreditation Form	5/24/2021 9:20:30 AM	
Cover Letter	Cover Letter	5/24/2021 9:18:26 AM	

**COMMENT DETAILS**

COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER
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Enclosure A  
L-21-144

Monthly Discharge Monitoring Report





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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH, 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA, 15077  
 STAGE: Final Effluent

PA0025016
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD							
YEAR				YEAR			
MO	DAY	MO		DAY			
FROM	2021	04	01	TO	2021	04	30

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	SAMPLE MEASUREMENT	***	***		***	***	9.0		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	***	Monitor & Report IMAX	mg/L	Monitor & Report	Monitor & Report
pH (00400)	SAMPLE MEASUREMENT	***	***		7.6	***	8.3		1/week	Grab
	PERMIT REQUIREMENT	***	***		8.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***	<.15	<.2		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
Clamrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	GG	GG			
	PERMIT REQUIREMENT	***	***		***	.034 Avg Mo	.034 Daily Max	mg/L	See Permit	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	E	E		***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	<.05	.10		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	<.02	<.02		Continuous	Recorded
	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.5 Daily Max	mg/L	Continuous	Recorded

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

**DISCHARGE MONITORING REPORT (DMR)**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Hydrazine (81313)	SAMPLE MEASUREMENT	***	***		***	<.001	<.001		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.007 Avg Mo	.007 Daily Max	mg/L	1/week	Grab
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025616  
 PERMIT NUMBER

002  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	FROM	2021	04	30
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.009	.046		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025015
PERMIT NUMBER

003
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 08/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2021	04	01		2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.159	.643		***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025815  
 PERMIT NUMBER

004  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2021	04	01		2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		6.0	***	9.0	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		Inst Min	***	IMAX			
Flow (50050)	SAMPLE MEASUREMENT			MGD	***	***	***		1/week	Measured
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***			
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	.5	1.25	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	Avg Mo	IMAX			
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	.2	.5	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	Avg Mo	Daily Max			
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44306-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 16077  
 STAGE: Final Effluent

PA0025015
PERMIT NUMBER

006
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

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



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 16077  
 STAGE: Final Effluent

PA0025015  
 PERMIT NUMBER

007  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	FROM	2021	04	30
			TO			

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 MAX	S.U.	1/week	Grab
Flow (60050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Total Residual Chlorine (TRC) (60060)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 MAX	mg/L	1/week	Grab
Free Available Chlorine (60064)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.5 Daily Max	mg/L	1/week	Grab
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615
PERMIT NUMBER

008
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2021	04	01		2021	04	30

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		8.0 Inst Min	***	8.0 IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										





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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0023616		010	
PERMIT NUMBER		OUTFALL NUMBER	

  

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	FROM	2021	04	30
			TO			

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.4	***	7.8		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Clamtrol CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***	GG	GG			
	PERMIT REQUIREMENT	***	***		***	.034 Avg Mo	.034 Daily Max	mg/L	Daily when Discharging	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	2.6	2.9		***	***	***		1/week	Measured
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	<.04	.06		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
Free Available Chlorine (50064)	SAMPLE MEASUREMENT	***	***		***	<.03	.04		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	.2 Avg Mo	.5 Daily Max	mg/L	1/week	Grab
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615
PERMIT NUMBER

011
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2021	04	01		2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	SAMPLE MEASUREMENT	.004	.004	MGD	***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615  
 PERMIT NUMBER

012  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2021	04	01		2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.9	***	8.1	S.U.	1/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/month	Grab
Copper, Total (01042)	SAMPLE MEASUREMENT	***	***		***	.038	.048	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	SAMPLE MEASUREMENT	***	***		***	.03	.03	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	1.5 Avg Mo	1.5 Daily Max		2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT	.001	.001	MGD	***	***	***		1/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/month	Estimate
Total Dissolved Solids (70295)	SAMPLE MEASUREMENT	***	***		***	280	290	mg/L	2/month	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025616
PERMIT NUMBER

013
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2021	04	01		2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.3	***	7.6	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	8.0 IMAX		1/week	Grab
Cyanide, Total (00720)	SAMPLE MEASUREMENT	***	***		***	<.01	<.01	mg/L	2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Chlorobenzene (34301)	SAMPLE MEASUREMENT	***	***		***	<.001	<.001	mg/L	2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Copper, Total (01042)	SAMPLE MEASUREMENT	***	***		***	<.025	<.025	mg/L	2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Flow (00050)	SAMPLE MEASUREMENT	.002	.002	MGD	***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025015
PERMIT NUMBER

101
OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	FROM	2021	04	30
			TO			

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		8.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Composite
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Ammonia-Nitrogen (00810)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		Continuous	Measured
Hydrazine (61313)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 169 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025015  
 PERMIT NUMBER

102  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.3	***	7.6		2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<7.7	11.4		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
Oil and Grease (00566)	SAMPLE MEASUREMENT	***	***		***	<5.1	<5.2		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT	.001	.001		***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025015  
 PERMIT NUMBER

103  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD							
YEAR					YEAR		
MO					MO		
DAY			DAY				
FROM	2021	04	01	TO	2021	04	30

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.7	***	7.8		2/month	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 MAX	S.U.	2/month	Grab
Total Suspended Solids (00630)	SAMPLE MEASUREMENT	***	***		***	4.7	4.7		2/month	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	.173	.543		***	***	***		2/month	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615
PERMIT NUMBER

111
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2021	04	01		2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.7	***	8.0	S.U.	1/week	Grab
	PERMIT REQUIREMENT	***	***		8.0 Inst Min	***	8.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	≤4.0	≤4.0	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	≤5.1	≤5.2	mg/L	1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max		1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.002	.002	MGD	***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Comments										





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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 166 E MARKET ST, AKRON, OH , 44306-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 166, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615  
 PERMIT NUMBER

113  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD							
FROM				TO			
YEAR	MO	DAY		YEAR	MO	DAY	
2021	04	01		2021	04	30	

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	8.0 IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	.043 Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	1.4 Avg Mo	3.3 IMAX	mg/L	2/month	Grab
Fecal Coliform (74055)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	2000 Geo Mean	***	No./100 ml	2/month	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	25.0 Avg Mo	50.0 Daily Max	mg/L	2/month	8-Hr Composite
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH, 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA, 15077  
 STAGE: Final Effluent

PA0025615  
 PERMIT NUMBER

203  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD								
YEAR		MO	DAY		YEAR		MO	DAY
2021		04	01		2021		04	30
FROM				TO				

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	60.0 Daily Max	mg/L	2/month	8-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	.023 Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50080)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	1.4 Avg Mo	3.3 IMAX	mg/L	2/month	Grab
Fecal Coliform (74055)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	2000 Geo Mean	***	No./100 ml	2/month	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	25.0 Avg Mo	50.0 Daily Max	mg/L	2/month	8-Hr Composite
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 169 E MARKET ST, AKRON, OH , 44309-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615  
 PERMIT NUMBER

211  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		6.9	***	7.0		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0	***	8.0	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	13.5	29.5		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0	100.0	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	Avg Mo	Daily Max		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	<6.1	<6.2	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	15	20		1/week	Grab
	PERMIT REQUIREMENT	Monitor & Report	Monitor & Report	MGD	***	Avg Mo	Daily Max		1/week	Estimate
Facility Comments		Avg Mo	Daily Max		***	***	***		1/week	Estimate



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025616  
 PERMIT NUMBER

213  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2021	04	01		2021	04	30

FROM

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



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025616  
 PERMIT NUMBER

301  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2021	04	01		2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT			MGD	***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 169 E MARKET ST, AKRON, OH , 44303-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0925615  
 PERMIT NUMBER

303  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 08/30/2006  
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	FROM	2021	04	30 TO

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



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025015  
 PERMIT NUMBER

313  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2021	04	01		2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		7.3	***	7.6		1/week	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	9.8	13.2		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.6	6.6		1/week	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	.002	.002		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025815
PERMIT NUMBER

401
OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☐

MONITORING PERIOD									
YEAR		MO	DAY		YEAR		MO	DAY	
2021		04	01		2021		04	30	
FROM				TO					

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		9.0	***	GG			
	PERMIT REQUIREMENT	***	***		8.0	***	Monitor & Report IMAX	S.U.	2/month	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	<4.0	<4.0		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	2/month	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	<5.0	<5.0		2/month	Grab
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	2/month	Grab
Flow (50050)	SAMPLE MEASUREMENT	.001	.001		***	***	***		1/week	Estimate
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										





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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44309-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 188, SHIPPINGPORT, PA , 15077  
 STAGE: Final Effluent

PA0025615  
 PERMIT NUMBER

403  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD							
YEAR				YEAR			
MO	DAY	MO		DAY			
FROM	2021	04	01	TO	2021	04	30

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***			***				
	PERMIT REQUIREMENT	***	***		8.0 Inst Min	***	8.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00558)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Ammonia-Nitrogen (00810)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	1/week	Grab
Clamtril CT-1 (04251)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	.001 Avg Mo	.001 Daily Max	mg/L	Daily when Discharging	24-Hr Composite
Flow (50050)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.25 IMAX	mg/L	1/week	Grab
Hydrazine (81313)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	.001 Avg Mo	.001 Daily Max	mg/L	1/week	Grab
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 16077  
 STAGE: Final Effluent

PA0025615  
 PERMIT NUMBER

413  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 08/30/2006  
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2021	04	01		2021	04	30

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		8.0 Inst Min	***	9.0 IMAX	S.U.	1/week	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Oil and Grease (00556)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	***	***		***	15 Avg Mo	20 Daily Max	mg/L	1/week	Grab
Flow (50050)	SAMPLE MEASUREMENT	***	***		***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		2/month	Estimate
Facility Comments										



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

**DISCHARGE MONITORING REPORT (DMR)**

NAME: ENERGY HARBOR NUCLEAR CORP  
 ADDRESS: 168 E MARKET ST, AKRON, OH , 44308-2014  
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1  
 LOCATION: PA ROUTE 168, SHIPPINGPORT, PA , 16077  
 STAGE: Final Effluent

PA0025616	501
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2021  
 DMR Effective To: 04/30/2021  
 Permit Expires: 12/27/2006  
 Permit Application Due: 06/30/2006  
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2021	04	01	TO	2021	04	30

FROM

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	***	***		***					
	PERMIT REQUIREMENT	***	***		***	30.0 Avg Mo	100.0 Daily Max	mg/L	1/week	Grab
Flow (60050)	SAMPLE MEASUREMENT				***	***	***			
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max	MGD	***	***	***		1/week	Estimate
Facility Comments										

**ATTACHMENT DETAILS**

FILE NAME	ATTACHMENT TYPE	UPLOADED TIME	ATTACHMENT COMMENT
Supplemental Lab Accreditation Form	Laboratory Accreditation Form	5/24/2021 9:20:30 AM	
Cover Letter	Cover Letter	5/24/2021 9:18:26 AM	

**COMMENT DETAILS**

COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER
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Enclosure B  
L-21-144

Supplemental Laboratory Accreditation Forms



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

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

<b>Permittee Name:</b> <u>Energy Harbor Nuclear</u>							
<b>Address:</b> <u>P.O. Box 4</u>							
<u>Shippingport, PA 15077</u>							
<u>Beaver Valley Power Station</u>							
<b>PERMIT NUMBER</b>				<b>MONITORING PERIOD</b> Year/Month/Day			
<b>PA0025615</b>				2021	04	01	TO 2021 04 30
<b>PARAMETER</b>	<b>ANALYSIS METHOD</b>	<b>LAB NAME</b>	<b>LAB ID NUMBER<sup>2</sup></b>				
Total Residual Chlorine	SM 4500-CL G [20 <sup>th</sup> ]	Beaver Valley Power Station	04-2742				
Free Available Chlorine	SM 4500-CL G [20 <sup>th</sup> ]	Beaver Valley Power Station	04-2742				
pH	SM 4500-H+ B [20 <sup>th</sup> ]	Beaver Valley Power Station	04-2742				
Temperature	SM 2550 B [20 <sup>th</sup> ]	Beaver Valley Power Station	04-2742				
Flow	NA	Beaver Valley Power Station	04-2742				
Total Suspended Solids (TSS)	SM 2540 D [20 <sup>th</sup> ]	Beaver Valley Power Station	04-2742				
Quaternary Amine Compounds	Photometric Determination  ½-CHM-ANA-4.23H	Beaver Valley Power Station	04-2742				
Bentonite Detoxicant	Estimated using feed rate and discharge flow rate per NPDES Permit PA0025645	Beaver Valley Power Station	04-2742				
Hydrazine	ASTM D1385-01	Beaver Valley Power Station	04-2742				

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

**Name/Title Principal Executive Officer**

Matthew J. Enos  
General Plant Manager

**Phone:** 724-682-7773

**Date:** 5/24/2021

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

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

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



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

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

**Permittee Name:** Energy Harbor Nuclear Operating Company

**Address:** P.O. Box 4

Shippingport, PA 15077

Beaver Valley Power Station

**PERMIT NUMBER**

**PA0025615**

**MONITORING PERIOD**

Year/Month/Day

2021

04

01

TO

2021

04

30

**PARAMETER**

**ANALYSIS METHOD**

**LAB NAME**

**LAB ID NUMBER<sup>2</sup>**

Zinc

EPA 200.7 Rev 4.4

Test America-Pittsburgh Lab

02-00416

Copper

EPA 200.7 Rev 4.4

Test America-Pittsburgh Lab

02-00416

Iron

EPA 200.7 Rev 4.4

Test America-Pittsburgh Lab

02-00416

Chromium

EPA 200.7 Rev 4.4

Test America-Pittsburgh Lab

02-00416

Ammonia

SM 4500 NH3 F

Test America-Pittsburgh Lab

02-00416

Cyanide

SM 4500-CN E

Test America-Pittsburgh Lab

02-00416

Chlorobenzene (VOC)

EPA 624

Test America-Pittsburgh Lab

02-00416

Nitrogen, Ammonia

EPA 350.1

Test America-Pittsburgh Lab

02-00416

Copper

EPA 200.8

Test America-Pittsburgh Lab

02-00416

Total Dissolved Solids (TDS)

SM 2450 C

Test America-Pittsburgh Lab

02-00416

Oil and Grease

EPA 1664 Rev B

Test America-Pittsburgh Lab

02-00416

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

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<b>Address:</b> <u>P.O. Box 4</u>							
<u>Shippingport, PA 15077</u>							
<u>Beaver Valley Power Station</u>							
<b>PERMIT NUMBER</b>				<b>MONITORING PERIOD</b> Year/Month/Day			
PA0025615				2021	04	01	TO 2021 04 30
<b>PARAMETER</b>	<b>ANALYSIS METHOD</b>	<b>LAB NAME</b>	<b>LAB ID NUMBER<sup>2</sup></b>				
Oil and Grease	EPA 1664 Rev B	Test America-Canton Lab	68-00340				
Ammonia	SM 4500 D-2011	Test America-Canton Lab	68-00340				

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

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