



energy
harbor

Beaver Valley Power Station
200 Shippingport Hill Rd.
P.O. Box 4
Shippingport, PA 15077-0004

50-334
50-412

June 25, 2022
L-22-156

eDMR for Electronic Submission

Department of Environmental Protection
Bureau of Water Quality Management
400 Waterfront Drive
Pittsburgh, PA 15222

SUBJECT:

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

Enclosed is the May 2022 NPDES Discharge Monitoring Report (DMR), Chemical Additives Usage Report, Daily Effluent Monitoring Report, Cooling Water Intake Monitoring Report and Supplemental Laboratory Accreditation Forms in accordance with the requirements set forth in the site NPDES permit.

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

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

Sincerely,

Matthew J. Enos
General Plant Manager

IF25
NR

Beaver Valley Power Station, Unit Nos. 1 and 2
L-22-156
Page 2

Enclosure(s):

- A. Monthly Discharge Monitoring Report
- B. Chemical Additives Usage Report
- C. Daily Effluent Monitoring Report
- D. Cooling Water Intake Monitoring Report
- E. Supplemental Laboratory Accreditation Forms

cc: Document Control Desk US NRC *(NOTE: No new US NRC commitments are contained in this letter.)*

FOR INTERNAL DISTRIBUTION USE ONLY

Internal Distribution of Letter L-22-156

S. York
M. Reffert (ERM – Cranberry)
Environmental File
Central File: ***Keyword- DMR***

L-22-156

ENCLOSURE A



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

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: 05/01/2022
DMR Effective To: 05/31/2022
Permit Expires: 10/31/2026
Permit Application Due: 05/04/2026
No Discharge: ☐

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM 2022	05	01	TO 2022	05	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Temperature (deg F) (00011)	Sample Measurement	***	***	***	***	***	86.4	°F	1/day	I-S
	Permit Requirement	***	***		***	***	110 Daily Max		1/day	I-S
pH (00400)	Sample Measurement	***	***	***	7.5	***	8.0	S.U.	1/week	Grab
	Permit Requirement	***	***		8.0 Inst Min	***	9.0 IMAX		1/week	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	.012	.012	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Chromium, Total (01034)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	.2 Avg Mo	.2 Daily Max		1/week	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	.015	.021	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Iron, Total (01045)	Sample Measurement	***	***	***	***	4.8	8.5	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	1.0 Avg Mo	1.0 Daily Max		1/week	24-Hr Composite
Aluminum, Total (01105)	Sample Measurement	***	***	***	***	2.0	3.8	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	31.0	34.5	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	< .07	.19	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.25 IMAX		1/week	Grab
Nalco H150M (51698)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	.034 Avg Mo	.034 Daily Max		1/week	24-Hr Composite
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	< .03	.07	mg/L	Continuous	Recorded
	Permit Requirement	***	***		***	.2 Avg Mo	.5 Daily Max		Continuous	Recorded
Mercury, Total (71900)	Sample Measurement	***	***	***	***	< .2	< .2	ug/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Hydrazine (81313)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	.007 Avg Mo	.007 Daily Max		1/week	Grab
Facility Sampling Point Comments										



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

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	002
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 05/01/2022
DMR Effective To: 05/31/2022
Permit Expires: 10/31/2026
Permit Application Due: 05/04/2026
No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2022	05	01	FROM	2022	05	31	TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	Sample Measurement	.046	.046	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***	***	1/week	Estimate
Facility Sampling Point 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	003
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2022	05	01	FROM	2022	05	31	TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Aluminum, Total (01105)	Sample Measurement	***	***	***	***	1.5	2.9	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	.164	.167	MGD	***	***	***	***	2/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Nalco H150M (51698)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	.034 Avg Mo	.034 Daily Max		1/week	Grab
Mercury, Total (71900)	Sample Measurement	***	***	***	***	< .2	< .2	ug/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Hydrazine (81313)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	.007 Avg Mo	.007 Daily Max		1/week	Grab
Facility Sampling Point 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	004
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2022	05	01	TO	2022	05	31	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Temperature (deg F) (00011)	Sample Measurement	***	***	***	***	***	***	°F		
	Permit Requirement	***	***		***	***	110 Daily Max		1/day	I-S
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Chromium, Total (01034)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	.2 Avg Mo	.2 Daily Max		1/week	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	1.0 Avg Mo	1.0 Daily Max		1/week	24-Hr Composite
Aluminum, Total (01105)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Calculation
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	.5 Avg Mo	1.25 IMAX		1/week	Grab
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	.2 Avg Mo	.5 Daily Max		1/week	Grab
Facility Sampling Point 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

006
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2022	05	01	TO	2022	05	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	Sample Measurement	.016	.0016	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***	***	1/week	Estimate
Facility Sampling Point 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	007
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2022	05	01	TO	2022	05	31	

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Temperature (deg F) (00011)	Sample Measurement	***	***	***	***	***	***	°F		
	Permit Requirement	***	***		***	***	110 Daily Max		1/day	I-S
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	***	***		5.0 Inst Min	***	9.0 IMAX		1/week	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	***	20 Daily Max		1/week	Grab
NaIco H150M (51698)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	.034 Avg Mo	.034 Daily Max		1/week	Grab
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	2 Avg Mo	.5 Daily Max		1/week	Grab
Facility Sampling Point 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	010
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **05/01/2022**
 DMR Effective To: **05/31/2022**
 Permit Expires: **10/31/2026**
 Permit Application Due: **05/04/2026**
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2022	05	01	FROM	2022	05	31	TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Temperature (deg F) (00011)	Sample Measurement	***	***	***	***	***	78.4	°F	1/day	I-S
	Permit Requirement	***	***		***	***	110 Daily Max		1/day	I-S
pH (00400)	Sample Measurement	***	***	***	7.3	***	7.9	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Flow (50050)	Sample Measurement	3.5	3.6	MGD	***	***	***	***	1/week	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	.08	mg/L	1/week	Grab
	Permit Requirement	***	***		***	***	.20 Daily Max		1/week	Grab
Naico H150M (51698)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***		***	.034 Avg Mo	.034 Daily Max		1/week	24-Hr Composite
Free Available Chlorine (50064)	Sample Measurement	***	***	***	***	< .03	.07	mg/L	1/week	Grab
	Permit Requirement	***	***		***	.2 Avg Mo	.5 Daily Max		1/week	Grab
Mercury, Total (71900)	Sample Measurement	***	***	***	***	< .2	< .2	ug/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Facility Sampling Point 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	011
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2022	05	01	FROM	2022	05	31	TO

PARAMETERS REPORTED VALUES

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
Mercury, Total (71900)	Sample Measurement	***	***	***	***	< .2	< .2	ug/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Facility Sampling Point 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	012
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2022	05	01		TO	2022	05

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.2	***	7.9	S.U.	2/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	***	***	< .001	< .001	mg/L	3/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.025	.031	mg/L	3/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.054	.087	mg/L	3/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	.001	.001	MGD	***	***	***	***	4/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Facility Sampling Point 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	013
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD									
YEAR	MO	DAY		YEAR	MO	DAY			
2022	05	01	FROM	2022	05	31	TO		

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.4	***	7.4	S.U.	2/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.018	.029	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	.002	.002	MGD	***	***	***	***	2/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Facility Sampling Point 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: Internal Monitoring Point

PA0025615
 PERMIT NUMBER

101
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2022	05	01	TO	2022	05	31	

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.7	***	7.8	S.U.	1/week	Grab
	Permit Requirement	***	***	***	6.0 Inst Min	***	9.0 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	***	***	***	***	< 5.2	< 5.7	mg/L	1/week	Grab
	Permit Requirement	***	***	***	***	15.0 Avg Mo	20.0 Daily Max	***	1/week	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	1/week	Grab
Flow (50050)	Sample Measurement	.007	.009	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***	***	1/week	Estimate
Hydrazine (81313)	Sample Measurement	***	***	***	***	GG	GG	mg/L		
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	1/week	Grab
Facility Sampling Point 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: Internal Monitoring Point

PA0025615	102
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2022	05	01	FROM	2022	05	31	TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.1	***	7.8	S.U.	2/month	Grab
	Permit Requirement	***	***	***	6.0 Inst Min	***	9.0 IMAX	***	2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	28.8	39.0	mg/L	2/month	Grab
	Permit Requirement	***	***	***	***	30.0 Avg Mo	100.0 Daily Max	***	2/month	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 5.0	< 5.2	mg/L	2/month	Grab
	Permit Requirement	***	***	***	***	15.0 Avg Mo	20.0 Daily Max	***	2/month	Grab
Flow (50050)	Sample Measurement	.001	.001	MGD	***	***	***	***	2/month	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***	***	2/month	Estimate
Facility Sampling Point 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: Internal Monitoring Point

PA0025615	103
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2022	05	01	TO	2022	05	31	

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.6	***	7.0	S.U.	3/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 4.5	5.0	mg/L	2/month	See Permit
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		2/month	See Permit
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 5.2	< 5.2	mg/L	2/month	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	.125	.203	MGD	***	***	***	***	1/day	Calculation
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		2/month	Estimate
Facility Sampling Point 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: Internal Monitoring Point

PA0025615	108
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2022	05	01	FROM	2022	05	31	TO

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☒

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	Weekly when Discharging	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***			
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max			
Facility Sampling Point 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: Internal Monitoring Point

PA0025615	111
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
FROM				TO			
YEAR	MO	DAY		YEAR	MO	DAY	
2022	05	01		2022	05	31	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.6	***	7.5	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 6.5	11.3	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	< 5.3	mg/L	1/week	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 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 Sampling Point 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: Internal Monitoring Point

PA0025615	211
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2022	05	01	FROM	2022	05	31	TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.1	***	7.2	S.U.	1/week	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 7.2	12.8	mg/L	1/week	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00555)	Sample Measurement	***	***	***	***	< 5.1	4.8	mg/L	1/week	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 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 Sampling Point 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: Internal Monitoring Point

PA0025615
PERMIT NUMBER

301
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 05/01/2022
DMR Effective To: 05/31/2022
Permit Expires: 10/31/2026
Permit Application Due: 05/04/2026
No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2022	05	01	TO	2022	05	31

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		2/month	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Sampling Point 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: Internal Monitoring Point

PA0025615	303
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2022	05	01	FROM	2022	05	31
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		2/month	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Sampling Point 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: Internal Monitoring Point

PA0025615	313
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
2022	05	01	FROM	2022	05	31	TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.7	***	7.1	S.U.	1/week	Grab
	Permit Requirement	***	***	***	6.0 Inst Min	***	9.0 IMAX	***	1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 5.5	6.4	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 Sampling Point 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: Internal Monitoring Point

PA0025615	401
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☐

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2022	05	01	TO	2022	05	31	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	7.2	***	***	S.U.	2/month	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	***		2/month	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	< 4.0	< 4.0	mg/L	2/month	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		2/month	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	< 5.2	< 5.2	mg/L	2/month	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		2/month	Grab
Flow (50050)	Sample Measurement	.001	.001	MGD	***	***	***	***	1/week	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Facility Sampling Point 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: Internal Monitoring Point

PA0025615	403
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2022	05	01	TO	2022	05	31	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.	Weekly when Discharging	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX			
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max			
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max			
Ammonia-Nitrogen (00810)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max			
Chromium, Total (01034)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	.2 Avg Mo	.2 Daily Max			
Zinc, Total (01092)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	1.0 Avg Mo	1.0 Daily Max			
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***	Weekly when Discharging	Estimate
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***			
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.25 IMAX			
Nalco H150M (51698)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	.034 Avg Mo	.034 Daily Max			
Hydrazine (81313)	Sample Measurement	***	***	***	***	***	***	mg/L	Weekly when Discharging	Grab
	Permit Requirement	***	***		***	.007 Avg Mo	.007 Daily Max			
Facility Sampling Point 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: Internal Monitoring Point

PA0025615	601
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☒

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2022	05	01	TO	2022	05	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	30.0 Avg Mo	100.0 Daily Max		1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	15.0 Avg Mo	20.0 Daily Max		1/week	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		1/week	Estimate
Hydrazine (81313)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	Grab
Facility Sampling Point 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: Internal Monitoring Point

PA0025615
 PERMIT NUMBER

701
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2022
 DMR Effective To: 05/31/2022
 Permit Expires: 10/31/2026
 Permit Application Due: 05/04/2026
 No Discharge: ☒

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM 2022	05	01	TO	2022	05	31	

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Requirement	***	***	***	6.0 Inst Min	***	9.0 IMAX	***	1/week	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***	***	***	30.0 Avg Mo	100.0 Daily Max	***	1/week	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***	***	***	15.0 Avg Mo	20.0 Daily Max	***	1/week	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	1/week	Grab
Flow (50050)	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***	***	1/week	Estimate
Hydrazine (81313)	Sample Measurement	***	***	***	***	***	***	mg/L		
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	1/week	Grab
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
May 2022 BVPS Signed DMR Cover Letter.pdf	Cover Letter	2022-06-27T19:19:59-04:00	
May 2022 BVPS Daily Effluent Forms.pdf	Daily Effluent Monitoring Form	2022-06-27T19:20:58-04:00	
May 2022 BVPS Supplement Lab Accreditation Forms.pdf	Laboratory Accreditation Form	2022-06-27T19:21:41-04:00	
May 2022 BVPS Chemical Additives Forms.pdf	Chemical Additives Usage Form	2022-06-27T19:20:29-04:00	
May 2022 BVPS Cooling Water Intake Forms.pdf	Other	2022-06-27T19:22:55-04:00	May 2022 BVPS Cooling Water Intake Monitoring Form

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
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SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	enosmj	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Matthew Enos	TELEPHONE		DATE		
				(724)	682-7773	2022	06	28
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

ENCLOSURE B



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name: Beaver Valley Power Station - Unit 1
Municipality: Shippingport Borough County: Beaver
Watershed: Ohio River

Month: May Year: 2022
NPDES Permit No.: PA0025615 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Day	Chemical Names															
	Bleach Liquichlor		Control Brom CB-70		Surfactant Nalco 73550		Dispersant Nalco 3DT-120		Acti Brom Nalco 1318		Biocide Nalco H-150M		Dechlorination Nalco 7408			
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	261.0		21.0		0.0		28.0		0.0		0.0		21.0			
2	270.0		21.0		27.0		14.0		0.0		0.0		20.0			
3	239.0		19.0		0.0		25.0		0.0		0.0		5.0			
4	130.0		10.0		27.0		25.0		0.0		0.0		13.0			
5	224.0		18.0		27.0		25.0		0.0		0.0		21.0			
6	174.0		14.0		27.0		25.0		0.0		0.0		10.0			
7	261.0		21.0		0.0		25.0		0.0		0.0		15.0			
8	261.0		21.0		0.0		25.0		0.0		0.0		4.0			
9	261.0		21.0		0.0		25.0		0.0		0.0		21.0			
10	261.0		21.0		0.0		25.0		0.0		0.0		21.0			
11	261.0		21.0		0.0		25.0		0.0		0.0		21.0			
12	261.0		21.0		27.0		25.0		0.0		0.0		21.0			
13	261.0		21.0		0.0		25.0		0.0		0.0		21.0			
14	261.0		21.0		0.0		25.0		0.0		0.0		20.0			
15	261.0		21.0		0.0		25.0		0.0		0.0		20.0			
16	271.0		21.0		27.0		25.0		0.0		0.0		21.0			
17	261.0		21.0		27.0		25.0		0.0		0.0		20.0			
18	236.0		18.0		27.0		25.0		0.0		0.0		18.0			
19	261.0		21.0		27.0		25.0		0.0		0.0		20.0			
20	270.0		21.0		27.0		25.0		0.0		0.0		20.0			
21	261.0		21.0		27.0		25.0		0.0		0.0		20.0			
22	271.0		21.0		27.0		25.0		0.0		0.0		50.0			
23	261.0		21.0		27.0		25.0		0.0		0.0		27.0			
24	161.0		12.0		9.0		25.0		0.0		0.0		15.0			
25	261.0		21.0		27.0		0.0		0.0		0.0		22.0			
26	271.0		21.0		27.0		25.0		0.0		0.0		21.0			
27	261.0		21.0		27.0		25.0		0.0		0.0		19.0			
28	271.0		21.0		27.0		25.0		0.0		0.0		24.0			
29	261.0		21.0		27.0		25.0		0.0		0.0		28.0			
30	271.0		21.0		27.0		25.0		0.0		0.0		21.0			
31	261.0		21.0		27.0		25.0		0.0		0.0		21.0			
Average	250.2		19.9		17.7		23.9						20.0			
Maximum	271.0		21.0		27.0		28.0						50.0			

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey
Title: Senior Nuclear Specialist

License No.: _____
Date: 5/31/2022

SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

3800-FM-BCW0439 3/2014

Facility Name: **Beaver Valley Power Station - Unit 2**
Municipality: **Shippingport Borough** County: **Beaver**
Watershed: **Ohio River**

Month: **May** Year: **2022**
NPDES Permit No.: **PA0025615** Outfall: **001**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **October 31, 2026**

Day	Chemical Names															
	Bleach Liquichlor		Control Brom CB-70		Surfactant Nalco 73550		Dispersant Nalco 3DT-120		Biocide Nalco H150-M		Dechlorination Nalco 7408					
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	259.0		28.0		27.0		39.0		0.0		0.0					
2	259.0		28.0		27.0		37.0		0.0		0.0					
3	259.0		28.0		27.0		34.0		0.0		0.0					
4	129.0		14.0		27.0		34.0		0.0		0.0					
5	263.0		28.0		27.0		34.0		0.0		0.0					
6	173.0		18.0		27.0		34.0		0.0		0.0					
7	259.0		28.0		0.0		34.0		0.0		0.0					
8	259.0		28.0		0.0		34.0		0.0		0.0					
9	259.0		28.0		0.0		34.0		0.0		0.0					
10	259.0		28.0		0.0		34.0		0.0		0.0					
11	259.0		28.0		0.0		34.0		0.0		0.0					
12	259.0		28.0		30.0		34.0		0.0		0.0					
13	259.0		28.0		0.0		34.0		0.0		0.0					
14	259.0		28.0		29.0		34.0		0.0		0.0					
15	272.0		28.0		29.0		34.0		0.0		0.0					
16	272.0		28.0		58.0		34.0		0.0		0.0					
17	272.0		28.0		0.0		34.0		0.0		0.0					
18	242.0		25.0		27.0		34.0		0.0		0.0					
19	272.0		28.0		27.0		34.0		0.0		0.0					
20	272.0		28.0		27.0		34.0		0.0		0.0					
21	272.0		28.0		27.0		34.0		0.0		0.0					
22	272.0		28.0		27.0		34.0		0.0		0.0					
23	272.0		28.0		27.0		34.0		0.0		0.0					
24	159.0		16.0		0.0		34.0		0.0		0.0					
25	272.0		28.0		0.0		34.0		0.0		0.0					
26	272.0		28.0		27.0		34.0		0.0		0.0					
27	272.0		28.0		27.0		34.0		0.0		0.0					
28	272.0		28.0		27.0		34.0		0.0		0.0					
29	272.0		28.0		27.0		34.0		0.0		0.0					
30	272.0		28.0		27.0		34.0		0.0		0.0					
31	272.0		28.0		27.0		34.0		0.0		0.0					
Average	254.7		26.7		20.4		34.3									
Maximum	272.0		28.0		58.0		39.0									

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **James Harvey**
Title: **Senior Nuclear Specialist**

License No.:
Date: **5/31/2022**



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name: Beaver Valley power Station
Municipality: Shippingport Borough County: Beaver
Watershed: Ohio River

Month: May Year: 2022
NPDES Permit No.: PA0025615 Outfall: 003
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Day	RO Antiscalant Hypersperse		Chemical Names													
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	0.0															
2	0.52															
3	0.22															
4	0.19															
5	0.0															
6	0.49															
7	0.39															
8	0.0															
9	0.49															
10	0.52															
11	0.39															
12	0.0															
13	0.45															
14	0.39															
15	0.0															
16	0.39															
17	0.45															
18	0.39															
19	0.0															
20	0.0															
21	0.78															
22	0.13															
23	0.45															
24	0.06															
25	0.39															
26	0.13															
27	0.49															
28	0.0															
29	0.13															
30	0.65															
31	0.33															
Average	0.3															
Maximum	0.8															

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey
Title: Senior Nuclear Specialist

License No.: _____
Date: 6/9/2022



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name: Beaver Valley Power Station
Municipality: Shippingport Borough County: Beaver
Watershed: Ohio River

Month: May Year: 2022
NPDES Permit No.: PA0025615 Outfall: 010
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Day	Chemical Names															
	Sodium Hypochlorite		Control-Brom 70 CB		Biocide Nalco H-150M		Dechlorination NALCO 7408		Corrosion Inhib. NALCO CL-50							
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	10.0		0.0		0.0		3.9		0.0							
2	0.0		0.0		0.0		3.9		0.0							
3	10.0		0.0		0.0		3.9		0.0							
4	0.0		0.0		0.0		3.9		0.0							
5	0.0		0.0		0.0		3.9		0.0							
6	0.0		0.0		0.0		3.9		0.0							
7	0.0		0.0		0.0		3.9		0.0							
8	0.0		0.0		0.0		3.9		0.0							
9	0.0		0.0		0.0		3.9		0.0							
10	0.0		0.0		0.0		3.9		0.0							
11	0.0		0.0		0.0		3.9		0.0							
12	0.0		0.0		0.0		3.9		0.0							
13	0.0		0.0		0.0		3.9		0.0							
14	8.0		0.0		0.0		3.9		0.0							
15	0.0		0.0		0.0		3.9		0.0							
16	0.0		0.0		0.0		7.8		0.0							
17	11.0		0.0		0.0		3.9		0.0							
18	0.0		0.0		0.0		0.0		0.0							
19	8.0		0.0		0.0		3.9		0.0							
20	0.0		0.0		0.0		3.9		0.0							
21	10.0		0.0		0.0		3.9		0.0							
22	0.0		0.0		0.0		3.9		0.0							
23	10.0		0.0		0.0		3.9		0.0							
24	0.0		0.0		0.0		3.9		0.0							
25	10.0		0.0		0.0		3.9		0.0							
26	0.0		0.0		0.0		3.9		0.0							
27	10.0		0.0		0.0		3.9		0.0							
28	0.0		0.0		0.0		3.9		0.0							
29	10.0		0.0		0.0		3.9		0.0							
30	0.0		0.0		0.0		3.9		0.0							
31	11.0		0.0		0.0		3.9		0.0							
Average	3.5						3.9									
Maximum	11.0						7.8									

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey
Title: Senior Nuclear Specialist

License No.: _____
Date: 6/1/2022



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

3800-FM-BCW0439 3/2014

Facility Name: Beaver Valley Power Station - Unit 1 Secondary
Municipality: Shippingport Borough County: Beaver
Watershed: Ohio River

Month: May Year: 2022
NPDES Permit No.: PA0025615 Outfall: No Outfall
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

These feedwater additives are not typically discharged. They are reported to align with DEP guidance.

Day	Chemical Names															
	Hydrazine		Monoethanolamine PT7000													
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	4.0		0.0													
2	4.0		0.0													
3	4.0		0.0													
4	5.0		0.0													
5	5.0		1.0													
6	5.0		0.0													
7	5.0		0.0													
8	5.0		0.0													
9	5.0		0.0													
10	5.0		0.0													
11	5.0		0.0													
12	5.0		0.5													
13	4.5		0.0													
14	4.5		0.0													
15	4.5		0.0													
16	4.5		1.5													
17	4.5		0.0													
18	4.5		0.0													
19	4.5		0.0													
20	4.5		0.0													
21	4.5		0.5													
22	4.5		1.0													
23	4.5		0.0													
24	4.5		0.0													
25	4.5		0.0													
26	4.5		0.0													
27	4.5		0.0													
28	4.5		1.0													
29	4.5		0.0													
30	4.5		0.0													
31	4.5		0.0													
Average	4.6		0.2													
Maximum	5.0		1.5													

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Jim Harvey
Title: Senior Nuclear Specialist

License No.: _____
Date: 5/31/2022



SUPPLEMENTAL REPORT - CHEMICAL ADDITIVES USAGE

Facility Name: Beaver Valley Power Station - Unit 2 Secondary
Municipality: Shippingport Borough County: Beaver
Watershed: Ohio River

Month: May Year: 2022
NPDES Permit No.: PA0025615 Outfall: No Outfall
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

These feedwater additives are not typically discharged. They are reported to align with DEP guidance.

Day	Chemical Names															
	Hydrazine		Monoethanolamine PT7000													
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1	6.0		0.0													
2	6.0		0.5													
3	6.0		0.0													
4	6.0		0.5													
5	6.0		0.5													
6	6.0		0.5													
7	6.0		0.0													
8	6.0		0.0													
9	6.0		0.0													
10	6.0		0.0													
11	6.0		0.5													
12	8.0		0.5													
13	8.0		0.5													
14	8.0		0.5													
15	8.0		0.5													
16	7.0		0.0													
17	6.5		0.0													
18	6.0		0.0													
19	6.0		0.0													
20	6.0		0.0													
21	6.0		0.5													
22	6.0		1.0													
23	6.0		1.0													
24	6.0		0.0													
25	6.0		0.0													
26	6.0		0.0													
27	6.0		0.0													
28	6.0		0.0													
29	6.0		1.0													
30	5.5		0.5													
31	5.5		1.0													
Average	6.3		0.3													
Maximum	8.0		1.0													

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Jim Harvey
Title: Senior Nuclear Specialist

License No.: _____
Date: 5/31/2022

ENCLOSURE C



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 001
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 P.S. § 4904 (relating to unsworn falsification).

License No.: _____
Date: **6/2/2022**

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3800-FM-BCW0435 3/2012

Facility Name: Beaver Valley Power Station Month: 5 (select number) Year: 2022
Municipality: Shippingport Borough County: Beaver Permit No.: 002
Watershed: 20-B Renewal application due 180 days prior to expiration.
Laboratories: TestAmerica, BVPS Lab This permit will expire on: October 31, 2026

Parameter			Flow																		
Stage			1																		
Week	Day	Date	MGD	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q
1	Sun	5/1/22																			
	Mon	5/2/22	0.046																		
	Tue	5/3/22																			
	Wed	5/4/22																			
	Thu	5/5/22																			
	Fri	5/6/22																			
	Sat	5/7/22																			
2	Sun	5/8/22	0.046																		
	Mon	5/9/22																			
	Tue	5/10/22																			
	Wed	5/11/22																			
	Thu	5/12/22																			
	Fri	5/13/22																			
	Sat	5/14/22																			
3	Sun	5/15/22	0.046																		
	Mon	5/16/22																			
	Tue	5/17/22																			
	Wed	5/18/22																			
	Thu	5/19/22																			
	Fri	5/20/22																			
	Sat	5/21/22																			
4	Sun	5/22/22	0.046																		
	Mon	5/23/22																			
	Tue	5/24/22																			
	Wed	5/25/22																			
	Thu	5/26/22																			
	Fri	5/27/22																			
	Sat	5/28/22																			
5	Sun	5/29/22	0.046																		
	Mon	5/30/22																			
	Tue	5/31/22																			

Statistics for DMR																					
Daily Minimum (Conc):																					
Daily Maximum (Conc):																					
Max Avg Weekly (Conc):																					
Avg Monthly (Conc):																					
Geometric Mean (Conc):																					
Max Avg Weekly (Load):			0.046																		
Avg Monthly (Load):			0.046																		
Total Monthly (Load):			0.23																		
Daily Minimum (Load):			0.046																		
Daily Maximum (Load):			0.046																		

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey License No.: _____
Title: Senior Nuclear Specialist Date: 6/2/2022



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 003
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unlawful falsification).

License No.: _____
Date: **6/16/2022**

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3600-FM-BCW0435 3/2012

Facility Name: Beaver Valley Power Station
Municipality: Shippingport Borough County: Beaver
Watershed: 20-B
Laboratories: TestAmerica, BVPS Lab

Month: 5 (select number) Year: 2022
Permit No.: _____ Outfall: 004
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Parameter			Flow	pH	TRC	Free Available Chlorine	Temperature	Total Aluminum	Total Chromium	Total Copper	Total Mercury	Total Zinc						
Stage			1	1	1	1	1	1	1	1	1	1						
Week	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q
1	Sun	5/1/22	0.0															
	Mon	5/2/22	0.0															
	Tue	5/3/22	0.0															
	Wed	5/4/22	0.0															
	Thu	5/5/22	0.0															
	Fri	5/6/22	0.0															
	Sat	5/7/22	0.0															
2	Sun	5/8/22	0.0															
	Mon	5/9/22	0.0															
	Tue	5/10/22	0.0															
	Wed	5/11/22	0.0															
	Thu	5/12/22	0.0															
	Fri	5/13/22	0.0															
	Sat	5/14/22	0.0															
3	Sun	5/15/22	0.0															
	Mon	5/16/22	0.0															
	Tue	5/17/22	0.0															
	Wed	5/18/22	0.0															
	Thu	5/19/22	0.0															
	Fri	5/20/22	0.0															
	Sat	5/21/22	0.0															
4	Sun	5/22/22	0.0															
	Mon	5/23/22	0.0															
	Tue	5/24/22	0.0															
	Wed	5/25/22	0.0															
	Thu	5/26/22	0.0															
	Fri	5/27/22	0.0															
	Sat	5/28/22	0.0															
5	Sun	5/29/22	0.0															
	Mon	5/30/22	0.0															
	Tue	5/31/22	0.0															

Statistics for DMR																		
Daily Minimum (Conc.):																		
Daily Maximum (Conc.):																		
Max Avg Weekly (Conc.):																		
Avg Monthly (Conc.):																		
Geometric Mean (Conc.):																		
Max Avg Weekly (Load):																		
Avg Monthly (Load):																		
Total Monthly (Load):																		
Daily Minimum (Load):	0																	
Daily Maximum (Load):	0																	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey License No.: _____
Title: Senior Nuclear Specialist Date: 6/2/2022

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3800-FM-BCW0435 3/2012

Facility Name: Beaver Valley Power Station
Municipality: Shippingport Borough County: Beaver
Watershed: 20-B
Laboratories: TestAmerica, BVPS Lab

Month: 5 (select number) Year: 2022
Permit No.: _____ Outfall: 006
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Parameter			Flow																												
Stage			1																												
Week	Day	Date	MGD	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q	q		
1	Sun	5/1/22																													
	Mon	5/2/22	0.016																												
	Tue	5/3/22																													
	Wed	5/4/22																													
	Thu	5/5/22																													
	Fri	5/6/22																													
	Sat	5/7/22																													
2	Sun	5/8/22																													
	Mon	5/9/22	0.016																												
	Tue	5/10/22																													
	Wed	5/11/22																													
	Thu	5/12/22																													
	Fri	5/13/22																													
	Sat	5/14/22																													
3	Sun	5/15/22																													
	Mon	5/16/22	0.016																												
	Tue	5/17/22																													
	Wed	5/18/22																													
	Thu	5/19/22																													
	Fri	5/20/22																													
	Sat	5/21/22																													
4	Sun	5/22/22																													
	Mon	5/23/22	0.016																												
	Tue	5/24/22																													
	Wed	5/25/22																													
	Thu	5/26/22																													
	Fri	5/27/22																													
	Sat	5/28/22																													
5	Sun	5/29/22																													
	Mon	5/30/22	0.016																												
	Tue	5/31/22																													

Statistics for DMR																														
Daily Minimum (Conc.):																														
Daily Maximum (Conc.):																														
Max Avg Weekly (Conc.):																														
Avg Monthly (Conc.):																														
Geometric Mean (Conc.):																														
Max Avg Weekly (Load):			0.016																											
Avg Monthly (Load):			0.016																											
Total Monthly (Load):			0.08																											
Daily Minimum (Load):			0.016																											
Daily Maximum (Load):			0.016																											

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey
Title: Senior Nuclear Specialist

License No.: _____
Date: 6/2/2022



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 007
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

License No.: _____
Date: **6/14/2022**

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3800-FM-BCW0435 3/2012

Facility Name: Beaver Valley Power Station
Municipality: Shippingport Borough County: Beaver
Watershed: 20-B
Laboratories: TestAmerica, BVPS Lab

Month: 5 (select number) Year: 2022
Permit No.: _____ Outfall: 010
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Parameter			Flow	pH	TRC	Free Available Chlorine	Temperature	Total Mercury	Nalco H150M										
Slogo			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Week	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	°F	Q	mg/L	Q	mg/L	Q		Q	
1	Sun	5/1/22									65.6								
	Mon	5/2/22									65								
	Tue	5/3/22	3.6		7.6	<	0.02	<	0.02		64.9	<	0.0002						
	Wed	5/4/22									65.4								
	Thu	5/5/22									66.7								
	Fri	5/6/22									65.9								
	Sat	5/7/22									65.1								
2	Sun	5/8/22									64.8								
	Mon	5/9/22	3.6		7.3						65.6	<	0.0002						
	Tue	5/10/22									66.7								
	Wed	5/11/22									67.2								
	Thu	5/12/22									69.9								
	Fri	5/13/22					0.08	<	0.02		71								
	Sat	5/14/22									72.3								
3	Sun	5/15/22									73.7								
	Mon	5/16/22									73.5								
	Tue	5/17/22	3.6		7.8		0.05		0.03		73.4								
	Wed	5/18/22									76.1								
	Thu	5/19/22									76.8								
	Fri	5/20/22									76.1								
	Sat	5/21/22									75.3								
4	Sun	5/22/22			7.4						75.2								
	Mon	5/23/22									73.4								
	Tue	5/24/22									75.9								
	Wed	5/25/22	3.6				0.07	<	0.02		74.6								
	Thu	5/26/22									75.1								
	Fri	5/27/22									75								
	Sat	5/28/22									76.6								
5	Sun	5/29/22									77								
	Mon	5/30/22									76.6								
	Tue	5/31/22	2.9		7.9		0.07		0.07		78.4								

Statistics for DMF																			
Daily Minimum (Conc.):				7.3	<	0.02	<	0.02			64.8	<	0.0002						
Daily Maximum (Conc.):				7.9		0.08		0.07			78.4	<	0.0002						
Max Avg Weekly (Conc.):						0.08		0.03			76	<	0.0002						
Avg Monthly (Conc.):						<	0.06	<	0.03		71.6	<	0.0002						
Geometric Mean (Conc.):																			
Max Avg Weekly (Load):	3.6					2		0.9				<	0.006						
Avg Monthly (Load):	3.5					<	1	<	0.9			<	0.006						
Total Monthly (Load):	17.3					<	37	<	24			<	0.2						
Daily Minimum (Load):	2.9					<	0.6	<	0.6			<	0.006						
Daily Maximum (Load):	3.6					<	2	<	2			<	0.006						

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey License No.: _____
Title: Senior Nuclear Specialist Date: 6/13/2022



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: Outfall: 011
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

License No.: _____
Date: _____



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 012
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

License No.: _____
Date: **6/13/2022**



3800-FM-BCWD435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 013
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 true, 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

License No.: _____
Date: **6/13/2022**



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
Permit No.: _____ Outfall: 101
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unjustsworn falsification).

License No.: _____
Date: **6/13/2022**



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 102
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unlawful falsification).

License No.: _____
Date: **6/13/2022**



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 103
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

License No.: _____
Date: **6/13/2022**



**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3800-FM-BCW0435 3/2012

Facility Name: Beaver Valley Power Station
Municipality: Shippingport Borough County: Beaver
Watershed: 20-B
Laboratories: TestAmerica, BVPS Lab

Month: 5 (select number) Year: 2022
Permit No.: _____ Outfall: 108
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

Parameter			Flow	TRC																								
Stage			1	RI																								
Week	Day	Date	MGD	q	mg/L	q		q		q		q		q		q		q		q		q		q		q		q
1	Sun	5/1/22																										
	Mon	5/2/22																										
	Tue	5/3/22	0.0																									
	Wed	5/4/22																										
	Thu	5/5/22																										
	Fri	5/6/22																										
	Sat	5/7/22																										
2	Sun	5/8/22																										
	Mon	5/9/22																										
	Tue	5/10/22																										
	Wed	5/11/22																										
	Thu	5/12/22	0.0																									
	Fri	5/13/22																										
	Sat	5/14/22																										
	Sun	5/15/22																										
	Mon	5/16/22																										
	Tue	5/17/22	0.0																									
	Wed	5/18/22																										
	Thu	5/19/22																										
	Fri	5/20/22																										
	Sat	5/21/22																										
4	Sun	5/22/22																										
	Mon	5/23/22																										
	Tue	5/24/22																										
	Wed	5/25/22	0.0																									
	Thu	5/26/22																										
	Fri	5/27/22																										
	Sat	5/28/22																										
	Sun	5/29/22																										
5	Mon	5/30/22																										
	Tue	5/31/22	0.0																									

Statistics for DMR																											
Daily Minimum (Conc.):																											
Daily Maximum (Conc.):																											
Max Avg Weekly (Conc.):																											
Avg Monthly (Conc.):																											
Geometric Mean (Conc.):																											
Max Avg Weekly (Load):																											
Avg Monthly (Load):																											
Total Monthly (Load):																											
Daily Minimum (Load):			0																								
Daily Maximum (Load):			0																								

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey
Title: Senior Nuclear Specialist

License No.: _____
Date: 6/13/2022



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 111
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

License No.: _____
Date: **6/13/2022**



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 211
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unlawful falsification).

License No.: _____
Date: **6/14/2022**



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 301
 Renewal application due **180 days** prior to expiration.
 This permit will expire on: **October 31, 2026**

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unlawful falsification).

License No.: _____
Date: **6/14/2022**



3800-FM-BCWD435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 303
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unlawful falsification).

License No.: _____
Date: **6/14/2022**



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 313
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

License No.: _____
Date: **6/14/2022**



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 401
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 P.S. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey License No.: _____
 Title: Senior Nuclear Specialist Date: 6/14/2022

License No.: _____
Date: **6/14/2022**



3800-FM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 403
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unlawful falsification).

License No.: _____
Date: **6/14/2022**



3800-EM-BCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 601
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

[illegible]

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unlawful falsification).

License No.: _____
Date: **6/14/2022**



3800-FM-RCW0435 3/2012

Month: 5 (select number) Year: 2022
 Permit No.: _____ Outfall: 701
 Renewal application due 180 days prior to expiration.
 This permit will expire on: October 31, 2026

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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 true, 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. See 18 Pa. C.S. § 4904 (relating to unlawful falsification).

License No.: _____
Date: **6/14/2022**

ENCLOSURE D

SUPPLEMENTAL REPORT - COOLING WATER INTAKE MONITORING

3800-FM-BCW0010 2/2020

Facility Name: Beaver Valley Power Station - Unit 1
Municipality: Shippingport Borough County: Beaver
Watershed: 20-B 20-D

Month: May Year: 2022
NPDES Permit No.: PA0025615
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

	Actual Intake Flow	Cooling Water Withdrawal	Make-Up Water	Blowdown Volume	Cycles of Concentration	Actual Through Screen Velocity		
Day	MGD	MGD	Million Gallons	Million Gallons	#	fps		
1					2.08			
2					2.67			
3					2.08			
4					2.19			
5					1.83			
6					1.71			
7					1.59			
8					1.8			
9					1.35			
10					1.19			
11					1.2			
12					1.22			
13					1.14			
14					1.5			
15					2.36			
16					1.81			
17					1.8			
18					1.81			
19					2.17			
20					2.1			
21					1.65			
22					1.57			
23					1.57			
24					1.46			
25					1.45			
26					1.48			
27					1.48			
28					1.66			
29					1.2			
30					1.47			
31					1.39			
Average					1.7			
Maximum					2.7			

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey
Title: Senior Nuclear Specialist

License No.: _____
Date: 5/31/2022



SUPPLEMENTAL REPORT - COOLING WATER INTAKE MONITORING

Facility Name: Beaver Valley Power Station - Unit 2
Municipality: Shippingport Borough County: Beaver
Watershed: 20-B 20-D

Month: May Year: 2022
NPDES Permit No.: PA0025615
Renewal application due 180 days prior to expiration.
This permit will expire on: October 31, 2026

	Actual Intake Flow	Cooling Water Withdrawal	Make-Up Water	Blowdown Volume	Cycles of Concentration	Actual Through Screen Velocity		
Day	MGD	MGD	Million Gallons	Million Gallons	#	fps		
1					2.01			
2					2.44			
3					2.06			
4					2.18			
5					2.13			
6					1.7			
7					1.7			
8					1.81			
9					1.45			
10					1.4			
11					1.4			
12					1.39			
13					1.34			
14					1.34			
15					2.07			
16					1.58			
17					1.55			
18					1.85			
19					2.03			
20					2.11			
21					1.55			
22					1.56			
23					1.51			
24					1.97			
25					1.47			
26					1.5			
27					1.52			
28					1.96			
29					1.47			
30					1.41			
31					1.69			
Average					1.7			
Maximum					2.4			

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: James Harvey
Title: Senior Nuclear Specialist

License No.: _____
Date: 5/31/2022

L-22-156

ENCLOSURE E



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>Energy Harbor Nuclear</u>							
Address: <u>P.O. Box 4</u> <u>Shippingport, PA 15077</u> <u>Beaver Valley Power Station</u>							
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day			
PA0025615				2022	05	01	TO 2022 05 31
PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER²				
Total Residual Chlorine	SM 4500-CL G [20 th]	Beaver Valley Power Station	04-2742				
Free Available Chlorine	SM 4500-CL G [20 th]	Beaver Valley Power Station	04-2742				
pH	SM 4500-H+ B [20 th]	Beaver Valley Power Station	04-2742				
Temperature	SM 2550 B [20 th]	Beaver Valley Power Station	04-2742				
Flow	NA	Beaver Valley Power Station	04-2742				
Total Suspended Solids (TSS)	SM 2540 D [20 th]	Beaver Valley Power Station	04-2742				
Quaternary Amine Compounds	Photometric Determination 1/2-CHM-ANA-4.23H	Beaver Valley Power Station	04-2742				
Bentonite Detoxicant	Estimated using feed rate and discharge flow rate per NPDES Permit PA0025645	Beaver Valley Power Station	04-2742				
Hydrazine	ASTM D1385-01	Beaver Valley Power Station	04-2742				
Zinc	EPA 200.8 Rev 5.4	Eurofins - 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.

Name/Title Principal Executive Officer

Matthew J. Enos
General Plant Manager

Phone: 724-682-7773

Date: 6/27/2022

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

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

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



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>Energy Harbor Nuclear Operating Company</u>							
Address: <u>P.O. Box 4</u>							
<u>Shippingport, PA 15077</u>							
<u>Beaver Valley Power Station</u>							
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day			
PA0025615				2022	05	01	TO 2022 05 31
PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER²				
Copper	EPA 200.8 Rev 5.4	Eurofins -Pittsburgh Lab	02-00416				
Iron	EPA 200.8 Rev 5.4	Eurofins - Pittsburgh Lab	02-00416				
Chromium	EPA 200.8 Rev 5.4	Eurofins - Pittsburgh Lab	02-00416				
Aluminum	EPA 200.8 Rev 5.4	Eurofins - Pittsburgh Lab	02-00416				
Cadmium	EPA 200.8 Rev 5.4	Eurofins - Pittsburgh Lab	02-00416				
Ammonia	EPA 350.1	Eurofins - Pittsburgh Lab	02-00416				
Oil and Grease	EPA 1664 Rev A	Eurofins - Canton Lab	68-00340				
Oil and Grease	EPA 1664 Rev B	Eurofins - Pittsburgh Lab	02-00416				
Mercury	EPA 245.1	Eurofins - Pittsburgh Lab	02-00416				
Phenolics	EPA 420.1	Eurofins - Pittsburgh Lab	02-00416				
Oil and Grease	EPA 1664 Rev B	Eurofins - Pensacola Lab	68-00467				
Oil & Grease	EPA 1664 Rev A	Eurofins - Lancaster Lab	36-00037				

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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