



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

August 11, 2021
L-21-216

Department of Environmental Protection
Bureau of Water Quality Management
Attention: DMR Clerk
400 Waterfront Drive
Pittsburgh, PA 15222

SUBJECT:

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

Enclosed is the July 2021 NPDES Discharge Monitoring Report (DMR) in accordance with the requirement set forth in the site NPDES permit. Attachment 1 to this letter is supplemental monitoring data for Outfall 001 (dissolved oxygen). Attachment 2 to this letter is the Clamicide Application Report.

A review of the data indicates no permit parameters were exceeded during the month, however the required sampling frequency at Outfall 001 was not met. BVPS NPDES Permit (PA0025615) requires continuous, measured flow at Outfall 001. Outfall 001 flowmeter equipment malfunction occurred on September 8, 2020 resulting in no available flow data for the months of September 2020 through July 2021. An internal notification was generated for equipment repair and repairs are in progress. Two non-compliance reports were automatically generated in eDMR.

Should you have any questions regarding the attached and enclosed documents, please direct them to Amy Savage, at 724-682-7359.

Sincerely,

A handwritten signature in black ink, appearing to be "MJ Enos", written over a large, stylized, handwritten "A" or "E" shape.

Matthew J. Enos
General Plant Manager

IE25
NRR

Beaver Valley Power Station, Unit Nos. 1 and 2
L-21-216
Page 2

Attachment(s):

1. Weekly Dissolved Oxygen Monitoring Results at Outfall 001
2. Clamicide Application Report

Enclosure(s):

- A. Monthly Discharge Monitoring Report

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

Discharge Monitoring Report Attachment for NPDES Permit No. PA0025615
Beaver Valley Power Station
July 2021

ATTACHMENT 1

Weekly Dissolved Oxygen Monitoring Results at Outfall 001

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

| SAMPLE DATE | SAMPLE TIME | VALUE | UNITS |
|-------------|-------------|-------|-------|
| 07/04/2021 | 08:35 AM | 7.00 | mg/L |
| 07/11/2021 | 08:32 AM | 7.00 | mg/L |
| 07/18/2021 | 08:23 AM | 7.00 | mg/L |
| 07/25/2021 | 07:23 AM | 8.00 | mg/L |

- Attachment 1 END -

ATTACHMENT 2

Clamicide Application Report

The following summarizes the clamicide treatment for the control of Asian clams and Zebra mussels conducted in June & July 2021 at Beaver Valley Power Station.

| Parameter | Unit 1 B Train | Unit 1 A Train | Unit 2 A Train | Unit 2 B Train |
|--|------------------|-------------------------|-------------------------|-------------------------|
| Date | 6/29/2021 | 7/13/2021 | 7/7/2021 | 7/20/2021 |
| Chemical Used ¹ | 816 ³ | 280 pounds ³ | 680 pounds ³ | 294 pounds ³ |
| Outfall 001 Concentration | ND | ND | ND | ND |
| Outfall 010 Concentration | N/A ⁴ | N/A ⁴ | ND | ND |
| Outfall 001 Detox Used ² | 1,771 pounds | 1,671 pounds | 1,371 pounds | 1,371 pounds |
| Outfall 001 Concentration ³ | 5.2 mg/L | 3.8 mg/L | 3.8 mg/L | 3.9 mg/L |
| Outfall 010 Detox Used ² | N/A ⁴ | N/A ⁴ | 464 pounds | 464 pounds |
| Outfall 010 Concentration ³ | N/A ⁴ | N/A ⁴ | 12.9 mg/L | 12.9 mg/L |

1. The chemical used is NALCO H150M; LIMITS: 7,000 pounds per day and No Detectable (ND) amount at Outfalls 001 and 010.
2. The Bentonite Based Detoxifying Agent used is NALCO 1315 a slurry mixture and / or NALCO 36 a dry product; LIMITS: 21,000 pounds per day and ≤ 35 mg/l at Outfalls 001 and 010
3. Dry-weight equivalent.
4. Outfall does not receive wastewater from the target system.

NOTE: 001 flow values were calculated based on individual cooling tower blowdown flow meters and river water/service water pump operation. Combined 001 outfall blowdown meter was OOS at this time.

- Attachment 2 END -

ENCLOSURE A



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

NAME: **ENERGY HARBOR NUCLEAR CORP**
 ADDRESS: **188 E MARKET ST, AKRON OH, 44301-2614**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA0028615
 PERMIT NUMBER

001
 OUTFALL NUMBER

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|---------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| FROM 2021 | 07 | 01 | TO 2021 | 07 | 31 |

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2026**
 Permit Application Due: **06/30/2026**
 No Discharge: ☐

PARAMETERS REPORTED VALUES

| PARAMETER | | QUANTITY OR LOADING | | | QUANTITY OR CONCENTRATION | | | | SAMPLING FREQUENCY | SAMPLING TYPE |
|---------------------------------------|--------------------|---|----------------------------|-------|---------------------------|-------------------------|----------------------------|-------|--------------------|------------------|
| | | VALUE | VALUE | UNITS | VALUE | VALUE | VALUE | UNITS | | |
| Dissolved Oxygen (00300) | Sample Measurement | ... | ... | ... | ... | ... | 8.0 | mg/L | 1/week | Grab |
| | Permit Requirement | ... | ... | ... | ... | ... | Monitor & Report IMAX | ... | Monitor & Report | Monitor & Report |
| pH (00400) | Sample Measurement | ... | ... | ... | 8.4 | ... | 8.5 | 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 | 1/week | Grab |
| | Permit Requirement | ... | ... | ... | ... | Monitor & Report Avg Mo | Monitor & Report Daily Max | ... | 1/week | Grab |
| Clamtrol CT-1 (04251) | Sample Measurement | ... | ... | ... | ... | FF | FF | mg/L | ... | ... |
| | Permit Requirement | ... | ... | ... | ... | .034 Avg Mo | .034 Daily Max | ... | See Permit | 24-Hr Composite |
| Facility Parameter Comments | | Clamtrol CT-1 is no longer used and has been replaced with Nalco H150M which has been added as a reported parameter. Sample results for H150M did not exceed effluent limits for Clamtrol CT-1. | | | | | | | | |
| Flow (50050) | Sample Measurement | E | E | MGD | ... | ... | ... | ... | Continuous | Measured |
| | Permit Requirement | Monitor & Report Avg Mo | Monitor & Report Daily Max | ... | ... | ... | ... | ... | Continuous | Measured |
| Total Residual Chlorine (TRC) (50060) | Sample Measurement | ... | ... | ... | ... | < .02 | < .02 | mg/L | 1/week | Grab |
| | Permit Requirement | ... | ... | ... | ... | .5 Avg Mo | 1.25 IMAX | ... | 1/week | Grab |
| Nalco H150M (61088) | Sample Measurement | ... | ... | ... | ... | < .034 | < .034 | mg/L | See Permit | 24-Hr Composite |
| | Permit Requirement | ... | ... | ... | ... | Monitor & Report Avg Mo | Monitor & Report Daily Max | ... | Monitor & Report | Monitor & Report |
| Free Available Chlorine (50084) | Sample Measurement | ... | ... | ... | ... | < .02 | < .02 | mg/L | Continuous | Recorded |
| | Permit Requirement | ... | ... | ... | ... | .2 Avg Mo | .5 Daily Max | ... | Continuous | Recorded |
| Hydrazine (61313) | Sample Measurement | ... | ... | ... | ... | GG | GG | mg/L | ... | ... |
| | Permit Requirement | ... | ... | ... | ... | .007 Avg Mo | .007 Daily Max | ... | 1/week | Grab |
| Facility Sampling Point Comments | | Clamtrol CT-1 is no longer used and has been replaced with Nalco H150M which has been added as a reported parameter. Sample results for H150M did not exceed effluent limits for Clamtrol CT-1. | | | | | | | | |



**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

002
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2026**
 Permit Application Due: **05/30/2006**
 No Discharge: ☐

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| 2021 | 07 | 01 | 2021 | 07 | 31 |

FROM

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 | .008 | .048 | 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**

PA0025619
 PERMIT NUMBER

003
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **08/30/2008**
 No Discharge: ☐

| MONITORING PERIOD | | | | | | |
|-------------------|------|----|----|-----|------|-------|
| YEAR | | MO | | DAY | | |
| FROM | 2021 | 07 | 01 | TO | 2021 | 07 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 | .125 | .206 | 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: **Final Effluent**

PA0025615
 PERMIT NUMBER

004
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2006**
 Permit Application Due: **08/30/2006**
 No Discharge: ☒

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|---------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| FROM 2021 | 07 | 01 | TO 2021 | 07 | 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. | 1/week | Grab |
| | Permit Requirement | --- | --- | | 8.0 Infl Mo | --- | 9.0 IMAX | | | |
| Flow (50050) | Sample Measurement | --- | --- | MGD | --- | --- | --- | --- | 1/week | Measured |
| | Permit Requirement | Monitor & Report Avg Mo | Monitor & Report Daily Max | | --- | --- | --- | | | |
| Total Residual Chlorine (TRC) (50060) | Sample Measurement | --- | --- | --- | --- | --- | --- | mg/L | 1/week | Grab |
| | Permit Requirement | --- | --- | | --- | 5 Avg Mo | 1.25 IMAX | | | |
| Free Available Chlorine (50064) | Sample Measurement | --- | --- | --- | --- | --- | --- | mg/L | 1/week | Grab |
| | Permit Requirement | --- | --- | | --- | 2 Avg Mo | 5 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: 188 E MARKET ST, AKRON OH, 44308-2014
 FACILITY: FIRSTENERGY BEAVER VALLEY POWER STATION 1
 LOCATION: PA ROUTE 188, SHIPPINGPORT PA, 15077
 STAGE: Final Effluent

PA0025815
 PERMIT NUMBER

008
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 07/01/2021
 DMR Effective To: 07/31/2021
 Permit Expires: 12/27/2006
 Permit Application Due: 06/30/2006
 No Discharge: ☐

| MONITORING PERIOD | | | | | | | |
|-------------------|----|-----|----|------|----|-----|--|
| YEAR | MO | DAY | | YEAR | MO | DAY | |
| FROM 2021 | 07 | 01 | TO | 2021 | 07 | 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 | .002 | .010 | MSD | | | | | 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
PERMIT NUMBER

007
OUTFALL NUMBER

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|---------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| FROM 2021 | 07 | 01 | TO 2021 | 07 | 31 |

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2026**
 Permit Application Exp: **06/30/2026**
 No Discharge: ☒

PARAMETERS REPORTED VALUES

| PARAMETER | | QUANTITY OR LOADING | | | QUANTITY OR CONCENTRATION | | | SAMPLING FREQUENCY | SAMPLING TYPE |
|---------------------------------------|--------------------|----------------------------|-------------------------------|-------|---------------------------|--------------|-----------------|--------------------|---------------|
| | | VALUE | VALUE | UNITS | VALUE | VALUE | VALUE | | |
| pH (00400) | Sample Measurement | | | | | | S.U. | | |
| | Permit Requirement | | | | 8.0 1st Min | | 9.0 1st Max | 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 | | | | | | | | |
| | Permit Requirement | | | | | .5 Avg Mo | 1.25 1st Max | 1/week | Grab |
| Free Available Chlorine (50084) | Sample Measurement | | | | | | | | |
| | 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: **188 E MARKET ST, AKRON OH, 44308-2014**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15677**
 STAGE: **Final Effluent**

PA0028815
PERMIT NUMBER

008
OUTFALL NUMBER

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|---------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| FROM 2021 | 07 | 01 | TO 2021 | 07 | 31 |

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2026**
 Permit Application Due: **06/30/2026**
 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 | --- | --- | --- | --- | --- | --- | S.U. | 2/month | Grab |
| | Permit Requirement | --- | --- | | 8.0 Inst Min | --- | 9.0 MAX | | | |
| Total Suspended Solids (00830) | Sample Measurement | --- | --- | --- | --- | --- | --- | mg/L | 2/month | Grab |
| | Permit Requirement | --- | --- | | --- | 20.0 Avg Mo | 100.0 Daily Max | | | |
| Oil and Grease (00556) | Sample Measurement | --- | --- | --- | --- | --- | --- | mg/L | 2/month | Grab |
| | Permit Requirement | --- | --- | | --- | 15 Avg Mo | 20 Daily Max | | | |
| Flow (50050) | Sample Measurement | --- | --- | MGD | --- | --- | --- | --- | 1/week | Estimate |
| | 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: **Final Effluent**

PA0025915
PERMIT NUMBER

019
OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2025**
 Permit Application Due: **08/30/2025**
 No Discharge: ☐

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|---------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| FROM 2021 | 07 | 01 | TO 2021 | 07 | 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 | 7.5 | | | 7.5 | | 7.5 | S.U. | 1/week | Grab |
| | Permit Requirement | 6.0 | | | 6.0 | | 8.0 | MAX | 1/week | Grab |
| Clamtril CT-1 (04251) | Sample Measurement | | | | | FF | FF | mg/L | | |
| | Permit Requirement | | | | | .034 | .034 | | Daily when Discharging | 24-Hr Composite |
| | Facility Parameter Comments | Clamtril CT-1 is no longer used and has been replaced with Nalco H150M which has been added as a reported parameter. Sample results for H150M did not exceed effluent limits for Clamtril CT-1. | | | | | | | | |
| Flow (50050) | Sample Measurement | 4.0 | 4.3 | 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 | .12 | mg/L | 1/week | Grab |
| | Permit Requirement | | | | | .5 | 1.25 | MAX | 1/week | Grab |
| Nalco H150M (51693) | Sample Measurement | | | | | < .034 | < .034 | mg/L | Daily when Discharging | 24-Hr Composite |
| | Permit Requirement | | | | | Monitor & Report Avg Mo | Monitor & Report Daily Max | | Monitor & Report | Monitor & Report |
| Free Available Chlorine (50064) | Sample Measurement | | | | | .04 | .06 | mg/L | 1/week | Grab |
| | Permit Requirement | | | | | 2 | 6 | Daily Max | 1/week | Grab |
| Facility Sampling Point Comments | Clamtril CT-1 is no longer used and has been replaced with Nalco H150M which has been added as a reported parameter. Sample results for H150M did not exceed effluent limits for Clamtril CT-1. | | | | | | | | | |



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

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

PA0025615
PERMIT NUMBER

011
OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2026**
 Permit Application Due: **06/30/2020**
 No Discharge: ☐

| MONITORING PERIOD | | | | | | | | |
|-------------------|----|-----|------|------|----|-----|----|--|
| YEAR | MO | DAY | | YEAR | MO | DAY | | |
| 2021 | 07 | 01 | FROM | 2021 | 07 | 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 |
| 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, 44309-2014**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15977**
 STAGE: **Final Effluent**

PA0025815
PERMIT NUMBER

012
OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2026**
 Permit Application Due: **06/30/2026**
 No Discharge: ☐

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|---------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| FROM 2021 | 07 | 01 | TO 2021 | 07 | 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 | 7.61 | 8.29 | | 7.61 | 8.29 | 8.29 | S.U. | 1/month | Grab |
| | Permit Requirement | 6.0 | 8.0 | | 6.0 | 8.0 | 8.0 | IMAX | 1/month | Grab |
| Copper, Total (01042) | Sample Measurement | < .025 | < .025 | | < .025 | < .025 | < .025 | mg/L | 2/month | Grab |
| | Permit Requirement | Monitor & Report Avg Mo | Monitor & Report Daily Max | | Monitor & Report Avg Mo | Monitor & Report Daily Max | Monitor & Report Daily Max | | 2/month | Grab |
| Zinc, Total (01092) | Sample Measurement | 1.5 | 1.5 | | 1.5 | 1.5 | 1.5 | mg/L | 2/month | Grab |
| | Permit Requirement | 1.5 | 1.5 | | 1.5 | 1.5 | 1.5 | mg/L | 2/month | Grab |
| Flow (50050) | Sample Measurement | .001 | .001 | MGD | .001 | .001 | .001 | | 1/month | Estimate |
| | Permit Requirement | Monitor & Report Avg Mo | Monitor & Report Daily Max | | Monitor & Report Avg Mo | Monitor & Report Daily Max | Monitor & Report Daily Max | | 1/month | Estimate |
| Total Dissolved Solids (70285) | Sample Measurement | 195 | 240 | | 195 | 240 | 240 | mg/L | 2/month | Grab |
| | Permit Requirement | Monitor & Report Avg Mo | Monitor & Report Daily Max | | Monitor & Report Avg Mo | Monitor & Report Daily Max | 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**

PA0025815
 PERMIT NUMBER

013
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **06/30/2008**
 No Discharge: ☐

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|---------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| FROM 2021 | 07 | 01 | TO 2021 | 07 | 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 | 8.4 | 8.4 | | 8.4 | 8.4 | 7.6 | G.U. | 1/week | Grab |
| | Permit Requirement | 8.0 | 8.0 | | 8.0 | 8.0 | 9.0 | MAX | 1/week | Grab |
| Cyanide, Total (00720) | Sample Measurement | < .01 | < .01 | | < .01 | < .01 | < .01 | mg/L | 2/month | 24-Hr Composite |
| | Permit Requirement | < .01 | < .01 | | < .01 | < .01 | < .01 | mg/L | 2/month | 24-Hr Composite |
| Chlorobenzene (34501) | Sample Measurement | < .001 | < .001 | | < .001 | < .001 | < .001 | mg/L | 2/month | 24-Hr Composite |
| | Permit Requirement | < .001 | < .001 | | < .001 | < .001 | < .001 | mg/L | 2/month | 24-Hr Composite |
| Copper, Total (01042) | Sample Measurement | < .025 | < .025 | | < .025 | < .025 | < .025 | mg/L | 2/month | 24-Hr Composite |
| | Permit Requirement | < .025 | < .025 | | < .025 | < .025 | < .025 | mg/L | 2/month | 24-Hr Composite |
| Flow (60050) | Sample Measurement | 0.02 | 0.02 | MGD | 0.02 | 0.02 | 0.02 | | 2/month | Estimate |
| | Permit Requirement | Monitor & Report Avg Mo | Monitor & Report Daily Max | | Monitor & Report Avg Mo | Monitor & Report Daily Max | 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
 PERMIT NUMBER

101
 OUTFALL NUMBER

MONITORING PERIOD

| YEAR | MO | DAY | YEAR | MO | DAY |
|------|----|-----|------|----|-----|
| 2021 | 07 | 01 | 2021 | 07 | 31 |

FROM TO

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **06/30/2008**
 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 | 8.0 | 9.0 | | 8.0 | 9.0 | 9.0 | S.U. | 1/week | Grab |
| | Permit Requirement | 8.0 | 9.0 | | 8.0 | 9.0 | 9.0 | | | |
| Total Suspended Solids (00530) | Sample Measurement | 30.0 | 100.0 | | 30.0 | 100.0 | 100.0 | mg/L | 1/week | Composite |
| | Permit Requirement | 30.0 | 100.0 | | 30.0 | 100.0 | 100.0 | | | |
| Oil and Grease (00650) | Sample Measurement | 15 | 20 | | 15 | 20 | 20 | mg/L | 1/week | Grab |
| | Permit Requirement | 15 | 20 | | 15 | 20 | 20 | | | |
| Ammonia-Nitrogen (00910) | Sample Measurement | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | mg/L | 1/week | Grab |
| | Permit Requirement | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | | | |
| Flow (60050) | Sample Measurement | 3.0 | 3.0 | MGD | 3.0 | 3.0 | 3.0 | | Continuous | Measured |
| | Permit Requirement | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | | | |
| Hydrazine (81313) | Sample Measurement | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | mg/L | 1/week | Grab |
| | Permit Requirement | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | | | |
| 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**

PA0025815
 PERMIT NUMBER

102
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/31/2025**
 Permit Application Due: **06/30/2026**
 No Discharge: ☐

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | | YEAR | MO | DAY |
| 2021 | 07 | 01 | TO | 2021 | 07 | 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 | 7.8 | | | 7.8 | | 7.8 | p.U. | 2/month | Grab |
| | Permit Requirement | 8.0 | | | 6.0 | | 8.0 | 1 MAX | 2/month | Grab |
| Total Suspended Solids (00530) | Sample Measurement | 20.6 | | | 20.6 | | 27.2 | mg/L | 2/month | Grab |
| | Permit Requirement | 30.0 | | | 30.0 | | 100.0 | Daily Max | 2/month | Grab |
| Oil and Grease (00556) | Sample Measurement | 6.8 | | | 6.8 | | 9.1 | mg/L | 2/month | Grab |
| | Permit Requirement | 15 | | | 15 | | 20 | Daily Max | 2/month | Grab |
| Flow (50050) | Sample Measurement | .001 | .001 | MGD | | | | | 2/month | Estimate |
| | Permit Requirement | Monitor & Report | Monitor & Report | | | | | | 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: **165 E MARKET ST, AKRON OH, 44308-2014**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15677**
 STAGE: **Final Effluent**

PA0025615
 PERMIT NUMBER

103
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2026**
 Permit Application Due: **06/30/2026**
 No Discharge: ☐

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | | YEAR | MO | DAY |
| 2021 | 07 | 01 | TO | 2021 | 07 | 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 | *** | *** | *** | 7.37 | *** | 7.69 | S.U. | 2/month | Grab |
| | Permit Requirement | *** | *** | *** | 8.0 Inst Min | *** | 8.0 MAX | *** | 2/month | Grab |
| Total Suspended Solids (00530) | Sample Measurement | *** | *** | *** | *** | < 2.7 | 11.4 | mg/L | 2/month | 24-Hr Composite |
| | Permit Requirement | *** | *** | *** | *** | 30.0 Avg Mo | 100.0 Daily Max | *** | 2/month | 24-Hr Composite |
| Flow (50050) | Sample Measurement | .108 | .150 | 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: **100 E MARKET ST, AKRON OH, 44308-2814**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 16077**
 STAGE: **Final Effluent**

PA0025615
 PERMIT NUMBER

111
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **06/30/2008**
 No Discharge: ☐

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | | YEAR | MO | DAY |
| 2021 | 07 | 01 | TO | 2021 | 07 | 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 | ... | ... | ... | 7.18 | ... | 7.59 | B.U. | 1/week | Grab |
| | Permit Requirement | ... | ... | ... | 8.0 Inst Min | ... | 8.0 IMAX | ... | 1/week | Grab |
| Total Suspended Solids (00530) | Sample Measurement | ... | ... | ... | ... | < 4.0 | < 4.0 | mg/L | 1/week | Grab |
| | Permit Requirement | ... | ... | ... | ... | 30.0 Avg Mo | 100.0 Daily Max | ... | 1/week | Grab |
| Oil and Grease (00556) | Sample Measurement | ... | ... | ... | ... | < 4.2 | < 4.4 | mg/L | 1/week | Grab |
| | Permit Requirement | ... | ... | ... | ... | 15 Avg Mo | 20 Daily Max | ... | 1/week | Grab |
| Flow (00050) | 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: **Final Effluent**

PA0025616
PERMIT NUMBER

113
OUTFALL NUMBER

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| 2021 | 07 | 01 | 2021 | 07 | 31 |

FROM

TO

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **06/30/2006**
 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 | --- | --- | --- | --- | --- | --- | S.U. | 2/month | Grab |
| | Permit Requirement | --- | --- | | 8.0 Inst Min | --- | 9.0 IMAX | | | |
| Total Suspended Solids (00530) | Sample Measurement | --- | --- | --- | --- | --- | --- | mg/L | 2/month | 8-Hr Composite |
| | Permit Requirement | --- | --- | | --- | 30.0 Avg Mo | 60.0 Daily Max | | | |
| Flow (50050) | Sample Measurement | --- | --- | MGD | --- | --- | --- | --- | 1/week | Measured |
| | Permit Requirement | .043 Avg Mo | Monitor & Report Daily Max | | --- | --- | --- | | | |
| Total Residual Chlorine (TRC) (50060) | Sample Measurement | --- | --- | --- | --- | --- | --- | mg/L | 2/month | Grab |
| | Permit Requirement | --- | --- | | --- | 1.4 Avg Mo | 3.3 IMAX | | | |
| Fecal Coliform (74055) (May-Sep) | Sample Measurement | --- | --- | --- | --- | --- | --- | No/100 ml | 2/month | Grab |
| | Permit Requirement | --- | --- | | --- | 200 Geo Mean | --- | | | |
| Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082) | Sample Measurement | --- | --- | --- | --- | --- | --- | mg/L | 2/month | 8-Hr Composite |
| | Permit Requirement | --- | --- | | --- | 25.0 Avg Mo | 50.0 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: **165 E MARKET ST, AKRON OH, 44308-2014**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 166, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA0025515
 PERMIT NUMBER

203
 OUTFALL NUMBER

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|---------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| FROM 2021 | 07 | 01 | TO 2021 | 07 | 31 |

Reporting Frequency:
 DMR Effective From:
 DMR Effective To:
 Permit Expires:
 Permit Application Due:
 No Discharge:

Monthly

07/01/2021

07/31/2021

12/27/2006

06/30/2006



PARAMETERS REPORTED VALUES

| PARAMETER | | QUANTITY OR LOADING | | | QUANTITY OR CONCENTRATION | | | SAMPLING FREQUENCY | SAMPLING TYPE |
|--|--------------------|---------------------|-------------------------------|-------|---------------------------|-----------------|-------------------|--------------------|----------------|
| | | VALUE | VALUE | UNITS | VALUE | VALUE | VALUE | | |
| pH (00400) | Sample Measurement | | | | | | S.U. | | |
| | Permit Requirement | | | | 6.0 Inst Min | | 9.0 MAX | 2/month | Grab |
| Total Suspended Solids (00530) | Sample Measurement | | | | | | | | |
| | Permit Requirement | | | | | 30.0 Avg Mo | 60.0 Daily Max | 2/month | 8-Hr Composite |
| Flow (50050) | Sample Measurement | | | MGD | | | | | |
| | Permit Requirement | .023 Avg Mo | Monitor & Report Daily Max | | | | | 1/week | Measured |
| Total Residual Chlorine (TRC) (50060) | Sample Measurement | | | | | | | | |
| | Permit Requirement | | | | | 1.5 Avg Mo | 3.0 MAX | 2/month | Grab |
| Fecal Coliform (74055) (May-Sep) | Sample Measurement | | | | | | No./100 ml | | |
| | Permit Requirement | | | | | 200 Geo Mean | | 2/month | Grab |
| Carbonaceous Biochemical Oxygen Demand (CBOD5) (80062) | Sample Measurement | | | | | | | | |
| | Permit Requirement | | | | | 25.0 Avg Mo | 60.0 Daily Max | 2/month | 8-Hr Composite |
| 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**

PA0025015
 PERMIT NUMBER

211
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/31/2008**
 Permit Application Due: **06/30/2008**
 No Discharge: ☐

MONITORING PERIOD

| YEAR | MO | DAY | YEAR | MO | DAY |
|------|----|-----|------|----|-----|
| 2021 | 07 | 01 | 2021 | 07 | 31 |

FROM 2021 07 01 TO 2021 07 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 | 8.4 | | | 8.4 | | 8.0 | S.U. | 1/week | Grab |
| | Permit Requirement | 8.0 | | | Inst Min | | 9.0 | IMAX | 1/week | Grab |
| Total Suspended Solids (00530) | Sample Measurement | | | | | 4.0 | 8.5 | mg/L | 1/week | Grab |
| | Permit Requirement | | | | | 30.0 | 100.0 | Avg Mo Daily Max | 1/week | Grab |
| Oil and Grease (00550) | Sample Measurement | | | | | < 4.1 | < 8.2 | mg/L | 1/week | Grab |
| | Permit Requirement | | | | | 15 | 20 | Avg Mo Daily Max | 1/week | Grab |
| Flow (00050) | Sample Measurement | .002 | .002 | MGD | | | | | 1/week | Estimated |
| | Permit Requirement | Monitor & Report Avg Mo | Monitor & Report Daily Max | | | | | | 1/week | Estimated |
| 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: **188 E MARKET ST, AKRON OH, 44308-2014**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA0025615
 PERMIT NUMBER

213
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2006**
 Permit Application Due: **08/30/2006**
 No Discharge: ☒

| MONITORING PERIOD | | | | | | | |
|-------------------|----|-----|----|------|----|-----|--|
| YEAR | MO | DAY | | YEAR | MO | DAY | |
| FROM 2021 | 07 | 01 | TO | 2021 | 07 | 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. | 2/month | Grab |
| | Permit Requirement | --- | --- | --- | 8.0 Inst Min | --- | 9.0 MAX | --- | | |
| Total Suspended Solids (00530) | Sample Measurement | --- | --- | --- | --- | --- | --- | mg/L | 2/month | Grab |
| | Permit Requirement | --- | --- | --- | --- | 30.0 Avg Mo | 100.0 Daily Max | --- | | |
| Oil and Grease (00550) | Sample Measurement | --- | --- | --- | --- | --- | --- | mg/L | 2/month | Grab |
| | Permit Requirement | --- | --- | --- | --- | 15 Avg Mo | 20 Daily Max | --- | | |
| Flow (50050) | Sample Measurement | --- | --- | MGD | --- | --- | --- | --- | 1/week | Estimate |
| | Permit Requirement | Monitor & Report Avg Mo | Monitor & Report Daily Max | --- | --- | --- | --- | --- | | |
| Total Residual Chlorine (TRC) (50060) | Sample Measurement | --- | --- | --- | --- | --- | --- | mg/L | 2/month | Grab |
| | Permit Requirement | --- | --- | --- | --- | 5 Avg Mo | 1.25 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: **Final Effluent**

PA0025815
 PERMIT NUMBER

301
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2026**
 Permit Application Due: **06/30/2026**
 No Discharge: ☒

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | | YEAR | MO | DAY |
| 2021 | 07 | 01 | TO | 2021 | 07 | 31 |

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 | | | | | | | | | |
| | Permit Requirement | | | | | 30.0 Avg Mo | 100.0 Daily Max | mg/L | 2/month | Grab |
| Oil and Grease (00550) | Sample Measurement | | | | | | | | | |
| | Permit Requirement | | | | | 10 Avg Mo | 20 Daily Max | mg/L | 2/month | Grab |
| Flow (00600) | 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: **165 E MARKET ST, AKRON OH, 44308-2014**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA0025815
 PERMIT NUMBER

303
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2024**
 Permit Expires: **12/27/2006**
 Permit Application Due: **06/30/2006**
 No Discharge: ☐

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|---------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| FROM 2021 | 07 | 01 | TO 2021 | 07 | 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 | ... | ... | ... | 7.3 | ... | 7.6 | S.U. | 1/week | Grab |
| | Permit Requirement | ... | ... | ... | 6.0 | ... | 9.0 | MAX | 1/week | Grab |
| Total Suspended Solids (00330) | Sample Measurement | ... | ... | ... | ... | ... | 9.6 | mg/L | 1/week | Grab |
| | Permit Requirement | ... | ... | ... | ... | 30.0 | 100.0 | Avg Mo Daily Max | 1/week | Grab |
| Oil and Grease (00550) | Sample Measurement | ... | ... | ... | ... | ... | 5.3 | mg/L | 1/week | Grab |
| | Permit Requirement | ... | ... | ... | ... | 15 | 20 | Avg Mo Daily Max | 1/week | Grab |
| Flow (60050) | Sample Measurement | .019 | .058 | 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: **188 E MARKET ST, AKRON OH, 44308-2014**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 168, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA0028816
PERMIT NUMBER

S13
OUTFALL NUMBER

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | | YEAR | MO | DAY |
| 2021 | 07 | 31 | TO | 2021 | 07 | 31 |

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2026**
 Permit Application Due: **06/30/2026**
 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 | 8.4 | 7.5 | | 8.4 | 7.5 | 8.0 | S.U. | 1/week | Grab |
| | Permit Requirement | 8.0 | 7.0 | | 8.0 | 7.0 | 8.0 | MAX | 1/week | Grab |
| Total Suspended Solids (00530) | Sample Measurement | 14.1 | 31.8 | | 14.1 | 31.8 | 30.0 | mg/L | 1/week | Grab |
| | Permit Requirement | 30.0 | 100.0 | | 30.0 | 100.0 | 100.0 | Daily Max | 1/week | Grab |
| Oil and Grease (00556) | Sample Measurement | <4.1 | <4.3 | | <4.1 | <4.3 | 15 | mg/L | 1/week | Grab |
| | Permit Requirement | 15 | 20 | | 15 | 20 | 20 | Daily Max | 1/week | Grab |
| Flow (50050) | Sample Measurement | .002 | .002 | MGD | .002 | .002 | .002 | | 1/week | Estimate |
| | Permit Requirement | Monitor & Report | Monitor & Report | | Monitor & Report | Monitor & Report | Monitor & Report | | 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, 15977
 STAGE: Final Effluent

PA0625616
 PERMIT NUMBER

401
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 07/01/2021
 DMR Effective To: 07/31/2021
 Permit Expires: 12/27/2028
 Permit Application Due: 06/30/2026
 No Discharge: ☐

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|---------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| FROM 2021 | 07 | 01 | TO 2021 | 07 | 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 | ... | ... | ... | 8.0 | ... | GG | S.U. | | |
| | Permit Requirement | ... | ... | ... | 8.0 | Inst Min | Monitor & Report MAX | | 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 (00550) | Sample Measurement | ... | ... | ... | ... | < 4.1 | < 4.1 | mg/L | 2/month | Grab |
| | Permit Requirement | ... | ... | ... | ... | 15 Avg Mo | 20 Daily Max | | 2/month | Grab |
| Flow (00050) | 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: **188 E MARKET ST, AKRON OH, 44308-2014**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 188, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA0025615
 PERMIT NUMBER

483
 OUTFALL NUMBER

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|---------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| FROM 2021 | 07 | 01 | TO 2021 | 07 | 31 |

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2008**
 Permit Application Due: **08/30/2008**
 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 | *** | *** | *** | *** | *** | *** | B.U. | | |
| | Permit Requirement | *** | *** | | 8.0 Inst Min | *** | 9.0 Inst Max | | 1/week | Grab |
| Total Suspended Solids (00530) | Sample Measurement | *** | *** | *** | *** | 30.0 Avg Mo | 100.0 Daily Max | mg/L | 1/week | Grab |
| | Permit Requirement | *** | *** | | *** | 15 Avg Mo | 20 Daily Max | mg/L | 1/week | Grab |
| Oil and Grease (00550) | Sample Measurement | *** | *** | *** | *** | *** | *** | mg/L | 1/week | Grab |
| | Permit Requirement | *** | *** | | *** | 15 Avg Mo | 20 Daily Max | mg/L | 1/week | Grab |
| Ammonia-Nitrogen (00610) | Sample Measurement | *** | *** | *** | *** | Monitor & Report Avg Mo | Monitor & Report Daily Max | mg/L | 1/week | Grab |
| | Permit Requirement | *** | *** | | *** | *** | *** | mg/L | 1/week | Grab |
| Chloride CT-1 (04251) | Sample Measurement | *** | *** | *** | *** | 0.01 Avg Mo | 0.01 Daily Max | mg/L | Daily when Discharging | 24-Hr Composite |
| | Permit Requirement | *** | *** | | *** | 0.01 Avg Mo | 0.01 Daily Max | mg/L | 1/week | Grab |
| Flow (50050) | Sample Measurement | *** | *** | MGD | *** | *** | *** | *** | 1/week | Estimate |
| | Permit Requirement | Monitor & Report Avg Mo | Monitor & Report Daily Max | | *** | *** | *** | *** | 1/week | Grab |
| Total Residual Chlorine (TRC) (50060) | Sample Measurement | *** | *** | *** | *** | *** | *** | mg/L | 1/week | Grab |
| | Permit Requirement | *** | *** | | *** | 5 Avg Mo | 1.25 Inst Max | mg/L | 1/week | Grab |
| Hydrazine (81313) | Sample Measurement | *** | *** | *** | *** | *** | *** | mg/L | 1/week | Grab |
| | Permit Requirement | *** | *** | | *** | 0.01 Avg Mo | 0.01 Daily Max | mg/L | 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**

PA0026615
 PERMIT NUMBER

413
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2006**
 Permit Application Due: **06/30/2006**
 No Discharge: ☒

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|---------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| FROM 2021 | 07 | 01 | TO 2021 | 07 | 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. | 1/week | Grab |
| | Permit Requirement | --- | --- | | 8.0 Inst Min | --- | 9.0 IMAX | | | |
| Total Suspended Solids (00530) | Sample Measurement | --- | --- | --- | --- | --- | --- | mg/L | 1/week | Grab |
| | Permit Requirement | --- | --- | | --- | 30.0 Avg Mo | 100.0 Daily Max | | | |
| Oil and Grease (00556) | Sample Measurement | --- | --- | --- | --- | --- | --- | mg/L | 1/week | Grab |
| | Permit Requirement | --- | --- | | --- | 15 Avg Mo | 20 Daily Max | | | |
| Flow (50050) | Sample Measurement | --- | --- | MGD | --- | --- | --- | --- | 2/month | Estimate |
| | 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: **188 E MARKET ST, AKRON OH, 44308-2014**
 FACILITY: **FIRSTENERGY BEAVER VALLEY POWER STATION 1**
 LOCATION: **PA ROUTE 180, SHIPPINGPORT PA, 15077**
 STAGE: **Final Effluent**

PA0025615
 PERMIT NUMBER

S01
 OUTFALL NUMBER

Reporting Frequency: **Monthly**
 DMR Effective From: **07/01/2021**
 DMR Effective To: **07/31/2021**
 Permit Expires: **12/27/2006**
 Permit Application Due: **06/30/2006**
 No Discharge: ☒

| MONITORING PERIOD | | | | | |
|-------------------|----|-----|---------|----|-----|
| YEAR | MO | DAY | YEAR | MO | DAY |
| FROM 2021 | 07 | 01 | TO 2021 | 07 | 31 |

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 | | 1/week | 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)**

ATTACHMENT DETAILS

| File Name | Attachment Type | Uploaded Time | Attachment Comments |
|---------------------------------------|-----------------|---------------------------|--|
| DMR Cover Letter Signed July 2021.pdf | Cover Letter | 2021-08-26T10:51:35-04:00 | July 2021 BVPS DMR Cover Letter Signed |

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 |
|-------------------|------------------|----------------|-----------|------------|----------------|--------------|------|----------------|-------------------------|-------------------|----------|
|-------------------|------------------|----------------|-----------|------------|----------------|--------------|------|----------------|-------------------------|-------------------|----------|

UNAUTHORIZED DISCHARGES

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

OTHER PERMIT VIOLATIONS

| Non-Compliance ID | Non-Compliance Type | Sampling Point | Parameter | Reported Value | Permit Limit | Comments |
|-------------------|--------------------------|----------------------|---------------|----------------|------------------|---|
| 144358 | Use of NODI Code E or FF | Final Effluent (001) | Flow | E | Monitor & Report | BVPS NPDES Permit (PA0026916) requires continuous, measured flow at Outfall 001. The Outfall 001 flowmeter was in service through September 7, 2020. Flowmeter equipment malfunction occurred on September 8, 2020 resulting in no available flow data for the remainder of September 2020 through July 2021. Internal notification was generated for equipment repair and repairs are in progress. |
| 144359 | Use of NODI Code E or FF | Final Effluent (001) | Flow | E | Monitor & Report | BVPS NPDES Permit (PA0026916) requires continuous, measured flow at Outfall 001. The Outfall 001 flowmeter was in service through September 7, 2020. Flowmeter equipment malfunction occurred on September 8, 2020 resulting in no available flow data for the remainder of September 2020 through July 2021. Internal notification was generated for equipment repair and repairs are in progress. |
| 144360 | Use of NODI Code E or FF | Final Effluent (001) | Clamtrol CT-1 | FF | .034 | Clamtrol CT-1 is no longer used and has been replaced with NALCO H150M what has been added as a reported parameter. Sample results for H150M did not exceed effluent limits for Clamtrol CT-1. |
| 144361 | Use of NODI Code E or FF | Final Effluent (001) | Clamtrol CT-1 | FF | .034 | Clamtrol CT-1 is no longer used and has been replaced with NALCO H150M what has been added as a reported parameter. Sample results for H150M did not exceed effluent limits for Clamtrol CT-1. |
| 144362 | Use of NODI Code E or FF | Final Effluent (010) | Clamtrol CT-1 | FF | .034 | Clamtrol CT-1 is no longer used and has been replaced with NALCO H150M what has been added as a reported parameter. Sample results for H150M did not exceed effluent limits for Clamtrol CT-1. |
| 144363 | Use of NODI Code E or FF | Final Effluent (010) | Clamtrol CT-1 | FF | .034 | Clamtrol CT-1 is no longer used and has been replaced with NALCO H150M what has been added as a reported parameter. Sample results for H150M did not exceed effluent limits for Clamtrol CT-1. |

COMMENT DETAILS

| Comments | Operator Name | Operator Certification Number | Operator Contact Number |
|----------|---------------|-------------------------------|-------------------------|
|----------|---------------|-------------------------------|-------------------------|



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

SUBMISSION INFORMATION

| | | | | | | | | |
|--|--|---------------------|------------------|-----------------|-------------|------------|-----------|--|
| SUBMITTED BY GREENPORT USER | <p><i>*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).</i></p> | Matthew Enos | TELEPHONE | | DATE | | | |
| enosemj | | | (724) | 682-7773 | 2021 | 08 | 20 | |
| SUBMITTED BY FULL NAME | | AREA CODE | NUMBER | YEAR | MO | DAY | | |