

**Ohio Environmental Protection Agency
Modification of National Pollutant Discharge
Elimination System (NPDES) Permit**

Issue Date: October 10, 2023

Existing Permit No.: 0IB00028*FD

Effective Date: February 1, 2024

Application No.: OH0127841

Entity Name: Washington Power Company LLC (Formerly Dynegy Washington II, LLC)
Facility Location: State Route 83, Waterford Township, Beverly, Ohio, Washington County

In accordance with Rule 3745-33-04 (D) of the Ohio Administrative Code (formerly Ohio EPA Regulation EP-31-06), the above referenced NPDES Permit is hereby modified as follows:

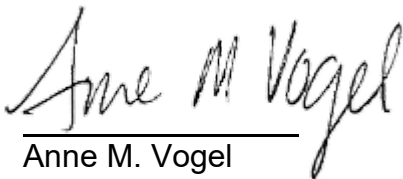
Revision

- 1) Revised the monitoring tables for stations 0IB00028001 and 0IB00028091 to exclude monitoring for barium and mercury.
- 2) Revised station 0IB00028001 footnote j to exclude mercury.
- 3) Revised Part II, Item T to exclude any reference to mercury.
- 4) Revised Part II, Item T to include correct PEL values for copper. This change was included as part of this modification in lieu of a minor modification.

Attached is the modified NPDES permit.

All terms and conditions of the existing permit not recommended for modification by this document will remain in effect. Any modified term or condition contained in this modification shall supersede, on the date this modification is effective, the existing respective term or condition of the permit.

When the modification is effective, the Ohio EPA permit number will be changed to **0IB00028*GD**. The application number will remain OH0127841.



Anne M. Vogel
Director

Ohio EPA Permit No.: 0IB00028*GD
Application No. OH0127841

Modification Issue Date: October 10, 2023
Modification Effective Date: February 1, 2024
Modification Expiration Date: December 31, 2026

Ohio Environmental Protection Agency
Authorization to Discharge Under the
National Pollutant Discharge Elimination System

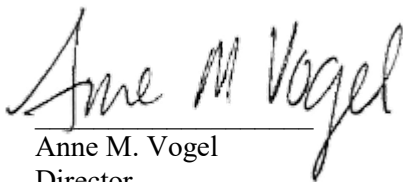
In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as the "Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111),

Washington Power Company LLC (Formerly Dynegy Washington II, LLC)

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the Dynegy Washington II, LLC located at State Route 83, Waterford Township, Beverly, Ohio, Washington County to Muskingum River and Olive Green Creek in accordance with the conditions specified in Parts I, II, and III of this permit.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.

A handwritten signature in black ink, reading "Anne M. Vogel". The signature is written in a cursive style with a horizontal line underneath the name.

Anne M. Vogel
Director

Total Pages: 33

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IB00028001. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 001 - Final

Effluent Characteristic Parameter	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
00011 - Water Temperature - F	-	-	-	-	-	-	-	1/Day	Maximum Indicating Thermometer	All
00335 - Chemical Oxygen Demand (Low Level) - mg/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All
00530 - Total Suspended Solids - mg/l	-	-	-	-	-	-	-	1/Week	24hr Composite	All
00552 - Oil and Grease, Hexane Extr Method - mg/l	10.0	-	-	-	-	-	-	1/Week	Grab	All
01094 - Zinc, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All
01119 - Copper, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Week	24hr Composite	All
34044 - Oxidants, Total Residual - mg/l	0.025	-	-	-	-	-	-	1/Day	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total	All
50060 - Chlorine, Total Residual - mg/l	0.20	-	-	-	-	-	-	1/Day	Grab	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	1/Year	24hr Composite	August
61427 - Acute Toxicity, Pimephales promelas - TUa	-	-	-	-	-	-	-	1/Year	24hr Composite	August
61941 - pH, Maximum - S.U.	9.0	-	-	-	-	-	-	1/Day	Multiple Grab	All
61942 - pH, Minimum - S.U.	-	6.5	-	-	-	-	-	1/Day	Multiple Grab	All
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Week	24hr Composite	All
78739 - Chlorination/Bromination Duration - Minutes	120	-	-	-	-	-	-	1/Day	Total	All

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
Parameter	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
80082 - CBOD 5 day - mg/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All

Notes for Station Number 0IB00028001:

- a. Effluent loadings based on 95th percentile of monthly average flow of 0.52 MGD.
- b. Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
- c. The Total Residual Chlorine (TRC) and Total Residual Oxidants (TRO) limits are the maximum allowed at the outfall at any time. Analyses are to be performed by amperometric titration using Standard Method 4500-Cl E or another equivalently sensitive TRC method approved in 40 CFR 136. The daily grab samples for TRC or TRO shall represent the maximum concentration discharged during chlorination and/or bromination.
- d. TRO reflects the use of bromine compounds. Bromine can be used separately or in combination with chlorine. These limits are effective when bromine is used.
- e. For Total Residual Oxidants, report on days when bromine compounds are used with or without chlorine. Report "AH" on the monthly operating report on days when no bromine compounds are used and explain in the remarks section.
- f. For Total Residual Chlorine, report on days when only chlorine compounds are used (i.e. no bromine compounds). Report "AH" on the monthly operating report if bromine (or a combination of bromine and chlorine) is used.
- g. When monitoring for acute toxicity, all other parameters shall be monitored on the same day.
- h. Acute Toxicity, See Part II, Item K.
- i. TRC and Total Residual Oxidants, See Part II, Item I.
- j. Copper, See Part II, Item T.
- k. See Part II, Item E.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

2. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge stormwater runoff, free from industrial or process related contaminants from outfall 0IB00028002. See Part II, OTHER REQUIREMENTS, for the outfall description.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

3. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge stormwater runoff, free from industrial or process related contaminants from outfall 0IB00028003. See Part II, OTHER REQUIREMENTS, for the outfall description.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

4. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge stormwater runoff, free from industrial or process related contaminants from outfall 0IB00028004. See Part II, OTHER REQUIREMENTS, for the outfall description.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

5. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IB00028091. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Fictitious Outfall/Station - 091 - Final

Effluent Characteristic Parameter	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
00011 - Water Temperature - F	-	-	-	-	-	-	-	1/Day	Maximum Indicating Thermometer	All
00335 - Chemical Oxygen Demand (Low Level) - mg/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All
00530 - Total Suspended Solids - mg/l	-	-	-	-	-	-	-	1/Week	24hr Composite	All
00552 - Oil and Grease, Hexane Extr Method - mg/l	10.0	-	-	-	-	-	-	1/Week	Grab	All
01094 - Zinc, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All
01119 - Copper, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Week	24hr Composite	All
34044 - Oxidants, Total Residual - mg/l	0.0048	-	-	-	-	-	-	1/Day	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total	All
50060 - Chlorine, Total Residual - mg/l	0.038	-	-	-	-	-	-	1/Day	Grab	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	1/Year	24hr Composite	August
61427 - Acute Toxicity, Pimephales promelas - TUa	-	-	-	-	-	-	-	1/Year	24hr Composite	August
61941 - pH, Maximum - S.U.	9.0	-	-	-	-	-	-	1/Day	Multiple Grab	All
61942 - pH, Minimum - S.U.	-	6.5	-	-	-	-	-	1/Day	Multiple Grab	All
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Week	24hr Composite	All
78739 - Chlorination/Bromination Duration - Minutes	-	-	-	-	-	-	-	1/Day	Total	All

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
Parameter	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
80082 - CBOD 5 day - mg/l	-	-	-	-	-	-	-	1/Month	24hr Composite	All

Notes for Station Number 0IB00028091:

- a. Outfall 0IB00028091 is used instead of outfall 0IB00028001 when the chlorination/bromination duration is equal to or greater than 120 minutes.
- b. Effluent loadings based on 95th percentile of monthly average flow of 0.52 MGD.
- c. Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
- d. The Total Residual Chlorine (TRC) and Total Residual Oxidants (TRO) limits are the maximum allowed at the outfall at any time. Analyses are to be performed by amperometric titration using Standard Method 4500-Cl E or another equivalently sensitive TRC method approved in 40 CFR 136. The daily grab samples for TRC or TRO shall represent the maximum concentration discharged during chlorination and/or bromination.
- e. TRO reflects the use of bromine compounds. Bromine can be used separately or in combination with chlorine. These limits are effective when bromine is used.
- f. For Total Residual Oxidants, report on days when bromine compounds are used with or without chlorine. Report "AH" on the monthly operating report on days when no bromine compounds are used and explain in the remarks section.
- g. For Total Residual Chlorine, report on days when only chlorine compounds are used (i.e., no bromine compounds). Report "AH" on the monthly operating report if bromine (or a combination of bromine and chlorine) is used.
- h. When monitoring for acute toxicity, all other parameters shall be monitored on the same day.
- i. Acute Toxicity, See Part II, Item K.
- j. TRC and Total Residual Oxidants, See Part II, Item I.
- k. Copper, See Part II, Item T.
- l. See Part II, Item E.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

6. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IB00028602. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 602 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
Parameter	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
00400 - pH - S.U.	-	-	-	-	-	-	-	1/Day	Grab	All
00530 - Total Suspended Solids - mg/l	100.0	-	-	30.0	26.9	-	8.06	1/Month	24hr Composite	All
00552 - Oil and Grease, Hexane Extr Method - mg/l	20.0	-	-	15.0	5.4	-	4.0	1/Month	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total	All

Notes for station 0IB00028602:

a. Effluent loadings based on average design flow of 0.071 MGD.

b. This discharge is limited to wastewater from the following sources: boiler blowdown, multi-media filter backwash, reverse osmosis (RO) dump, e-cell flush and RO concentrate stream.

c. Sampling shall be performed when discharging. - A Discharge Monitoring Report, for this station must be submitted every month. Monitoring and sampling shall be conducted and reported on each day that there is a discharge through this station.

If there are no discharges during the entire month eDMR users should select the "No Discharge" check box on the data entry form and PIN the eDMR.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

7. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IB00028603. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 603 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
Parameter	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
00400 - pH - S.U.	-	-	-	-	-	-	-	1/Day	Grab	All
00530 - Total Suspended Solids - mg/l	100.0	-	-	30.0	4.73	-	1.42	1/Month	24hr Composite	All
00552 - Oil and Grease, Hexane Extr Method - mg/l	20.0	-	-	15.0	0.95	-	0.71	1/Month	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total	All

Notes for station 0IB00028603:

- Effluent loadings based on average design flow of 0.0125 MGD.
- This discharge is limited to the discharge from the oil/water separator.
- Sampling shall be performed when discharging. A Discharge Monitoring Report for this station must be submitted every month. Monitoring and sampling shall be conducted and reported on each day that there is a discharge through this station.

If there are no discharges during the entire month eDMR users should select the "No Discharge" check box on the data entry form and PIN the eDMR.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

8. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IB00028604. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 604 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
Parameter	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
00056 - Flow Rate - GPD	-	-	-	-	-	-	-	When Disch.	24hr Total	All
00530 - Total Suspended Solids - mg/l	100.0	-	-	30.0	-	-	-	When Disch.	Grab	All
00552 - Oil and Grease, Hexane Extr Method - mg/l	20.0	-	-	15.0	-	-	-	When Disch.	Grab	All
00980 - Iron, Total Recoverable - ug/l	1000.0	-	-	1000.0	-	-	-	When Disch.	Grab	All
01119 - Copper, Total Recoverable - ug/l	1000.0	-	-	1000.0	-	-	-	When Disch.	Grab	All

Notes for station 0IB00028604:

- a. This station monitors chemical metal cleaning waste in accordance with 40 CFR 423.15 (b)(4).
- b. See Part II, Item M.
- c. Sampling shall be performed when discharging. A Discharge Monitoring Report for this station must be submitted every month. Monitoring and sampling shall be conducted and reported on each day that there is a discharge through this station.

If there are no discharges during the entire month eDMR users should select the "No Discharge" check box on the data entry form and PIN the eDMR.

Part I, B. - SLUDGE MONITORING REQUIREMENTS

1. Sludge Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the treatment works' final sludge at Station Number 0IB00028596, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sludge sampling.

Table - Sludge Monitoring - 596 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
Parameter	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
51129 - Sludge Fee Weight - dry tons	-	-	-	-	-	-	-	1/Year	Total	December

Notes for Station Number 0IB00028596:

- Monitoring is required when water treatment solids are removed from the permittee's facility for disposal in a solid waste landfill. The total Sludge Fee Weight of sludge disposed of in a solid waste landfill for the entire year shall be reported on the December Discharge Monitoring Report (DMR).
- If no solids are removed from the Permittee's facility for disposal in a solid waste landfill during the year, select the "No Discharge" check box on the data entry form and PIN the eDMR.
- Sludge fee weight means sludge weight, in dry U.S. tons, excluding any admixtures such as liming material or bulking agents.

Part I, B. - UPSTREAM MONITORING REQUIREMENTS

2. Upstream Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the receiving stream, upstream of the point of discharge at Station Number 0IB00028801, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sampling.

Table - Upstream Monitoring - 801 - Final

Effluent Characteristic Parameter	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
00011 - Water Temperature - F	-	-	-	-	-	-	-	1/Day	Grab	Summer
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
61432 - 48-Hr. Acute Toxicity Ceriodaphnia dubia - % Affected	-	-	-	-	-	-	-	1/Year	Grab	August
61435 - 96-Hr. Acute Toxicity Pimephales promela - % Affected	-	-	-	-	-	-	-	1/Year	Grab	August

Notes for Station Number 0IB00028801:

a. Whole Effluent Toxicity - See Part II, Item K.

Part I, B. - INTAKE MONITORING REQUIREMENTS

3. Intake Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the Intake at Station Number 0IB00028802, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sampling.

Table - Intake Monitoring - 802 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
Parameter	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All

Part II, OTHER REQUIREMENTS

A. Description of the location of the required sampling stations are as follows:

Sampling Station Description of Location

0IB00028001	Final Outfall; Samples to be taken prior to discharge to Muskingum River. (Lat: 39 N 34' 37"; Long: 81 W 40' 8")
0IB00028002	Stormwater Outfall (Lat: 39 N 34' 49"; Long: 81 W 39' 29")
0IB00028003	Stormwater Outfall (Lat: 39 N 34' 50"; Long: 81 W 39' 18")
0IB00028004	Stormwater Outfall (Lat: 39 N 34' 59"; Long: 81 W 39' 19")
0IB00028091	Fictitious Outfall. Same as Outfall 0IB00028001 when chlorination/bromination is greater than 120 minutes.
0IB00028596	Water Treatment solids hauled to a sanitary landfill.
0IB00028602	Internal Outfall; low volume wastes discharge to Outfall 0IB00028001.
0IB00028603	Internal Outfall; oil water separator discharge to Outfall 0IB00028001.
0IB00028604	Internal Outfall; chemical metal cleaning waste, samples to be collected at the discharge of the storage tanks, prior to combining with other flows.
0IB00028801	Upstream Monitoring
0IB00028802	Intake Monitoring

B. This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved.

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
2. Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

C. All parameters, except flow, need not be monitored on days when the plant is not normally staffed (Saturdays, Sundays, and Holidays). On those days, report "AN" on the monthly report form.

D. Written permission must be obtained from the director of the Ohio EPA prior to the use of any treatment additives, except for those exempt in rule. If additives are being used that have not previously been approved, an approval must be obtained for continued use. Discharges of these additives must meet Ohio Water Quality Standards and shall not be harmful or inimical to aquatic life. Request for approvals shall be filed in accordance with OAC 3745-33-03(G) and should be filed at least forty-five days prior to use or immediately if the additive is currently being used. Application forms are available for download on the DSW website:

<http://www.epa.ohio.gov/Portals/35/permits/Additive-Form.docx>

E. There shall be no detectable amount of any priority pollutant attributable to cooling tower maintenance chemicals in the cooling tower blowdown wastewater.

F. Composite samples shall be comprised of a series of grab samples collected over a 24-hour period and proportionate in volume to the wastewater flow rate at the time of sampling. Such samples shall be collected at such times and locations, and in such a fashion, as to be representative of the facility's overall performance.

G. Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's performance.

H. Multiple grab samples shall be comprised of at least three grab samples collected at intervals of at least three hours during the period that the plant is staffed on each day for sampling. Samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's overall performance. The critical value shall be reported.

I. Limits Below Quantification

The parameters below have had effluent limitations established that are below the Ohio EPA Quantification Level (OEPA QL) for the approved analytical procedure promulgated at 40 CFR 136. OEPA QLs may be expressed as Practical Quantification Levels (PQL) or Minimum Levels (ML). Compliance with an effluent limit that is below the OEPA QL is determined in accordance with ORC Section 6111.13 and OAC Rule 3745-33-07(C). For maximum effluent limits, any value reported below the OEPA QL shall be considered in compliance with the effluent limit. For average effluent limits, compliance shall be determined by taking the arithmetic mean of values reported for a specified averaging period, using zero (0) for any value reported at a concentration less than the OEPA QL, and comparing that mean to the appropriate average effluent limit. An arithmetic mean that is less than or equal to the average effluent limit shall be considered in compliance with that limit.

The permittee must utilize the lowest available detection method currently approved under 40 CFR Part 136 for monitoring these parameters.

REPORTING:

All analytical results, even those below the OEPA QL (listed below), shall be reported.

Analytical results are to be reported as follows:

1. Results above the QL: Report the analytical result for the parameter of concern.
2. Results above the MDL, but below the QL: Report the analytical result, even though it is below the QL.
3. Results below the MDL: Analytical results below the method detection limit shall be reported as "below detection" using the reporting code "AA".

The following table of quantification levels will be used to determine compliance with NPDES permit limits:

Parameter	PQL	ML
Chlorine, Total Residual	0.050 mg/l	--
Oxidants, Total Residual	0.050 mg/L	--

This permit may be modified, or, alternatively, revoked and reissued, to include more stringent effluent limits or conditions if information generated as a result of the conditions of this permit indicate the

presence of these pollutants in the discharge at levels above the water quality based effluent limit (WQBEL).

J. Water quality based permit limitations in this permit may be revised based on updated wasteload allocations or use designation rules. This permit may be modified, or revoked and reissued, to include new water quality based effluent limits or other conditions that are necessary to comply with a revised wasteload allocation, or an approved total maximum daily loads (TMDL) report as required under Section 303 (d) of the Clean Water Act.

K. Biomonitoring Program Requirements

General Requirements

All toxicity testing conducted as required by this permit shall be done in accordance with "Reporting and Testing Guidance for Biomonitoring Required by the Ohio Environmental Protection Agency" (hereinafter, the "biomonitoring guidance"), Ohio EPA, July 1998 (or current revision). The Standard Operating Procedures (SOP) or verification of SOP submittal, as described in Section 1.B. of the biomonitoring guidance shall be submitted no later than three months after the effective date of this permit. If the laboratory performing the testing has modified its protocols, a new SOP is required.

Testing Requirements

1. Acute Bioassays

For the life of the permit, the permittee shall conduct annual definitive acute toxicity tests using *Ceriodaphnia dubia* and fathead minnows (*Pimephales promelas*) on effluent samples from outfall 0IB00028001. These tests shall be conducted as specified in Section 2 of the biomonitoring guidance.

2. Testing of Ambient Water

In conjunction with the acute tests, upstream control water shall be collected at a point outside the zone of effluent and receiving water interaction at station 0IB00028801. Testing of ambient waters shall be done in accordance with Sections 2 and 3 of the biomonitoring guidance.

3. Data Review

a. Reporting

Following completion of each annual bioassay requirement, the permittee shall report results of the tests in accordance with Sections 2.H.1., 2.H.2.a., 3.H.1., and 3.H.2.a. of the biomonitoring guidance, including reporting the results on the monthly DMR and submitting a copy of the complete test report to Ohio EPA, Division of Surface Water. The test report may be submitted electronically using the acute NPDES Biomonitoring Report Form available through the Ohio EPA eBusiness Center, Division of Surface Water NPDES Permit Applications service. Alternatively, the permittee may submit a hard copy of the report to Ohio EPA, Division of Surface Water, NPDES Permit Unit, P.O. Box 1049, Columbus, OH, 43216-1049.

Based on Ohio EPA's evaluation of the results, this permit may be modified to require additional biomonitoring, require a toxicity reduction evaluation, and/or contain whole effluent toxicity limits.

b. Definitions

TUa = Acute Toxicity Units = 100/LC50

L. Reserved.

M. The permittee shall adhere to the following procedures for the treatment of chemical metal cleaning wastewater (chemical metal cleaning wastewater refers to those operations using chemical compounds for the cleaning of any metal process equipment including, but not limited to, boiler tube cleaning):

1. If the permittee plans on discharging the chemical cleaning wastewater, the permittee shall notify the district engineer of Ohio EPA at least two weeks prior to the date of an anticipated chemical cleaning operation and type of cleaning compound to be used. Any change in schedule or cleaning compound shall be reported as soon as possible.

2. Chemical metal cleaning wastewater, including rinses, shall be discharged to chemical metal cleaning waste storage tanks. The allowable concentrations of Total Iron and Total Copper in the treated wastewater are 1.0 mg/l Total Iron and 1.0 mg/l Total Copper. Sampling shall be done as described in the final effluent table for Outfall 0IB00028604 of this permit.

3. Submit a report to the Ohio EPA within 14 days after the wastewater is treated in the chemical metal cleaning waste (CMCW) storage tanks which includes the following:

a. Estimated volume of CMCW, including rinse water.

b. Type of cleaning compound used.

c. Designation of method of decanting (i.e. by siphoning, pumping, etc.) the supernatant in the CMCW treatment facility.

d. Report all analytical data including date, time and metal concentrations of samples taken to show compliance with the NPDES Permit.

e. Any unusual events occurring during the chemical metal cleaning and treatment period.

4. The permittee may elect to dispose of the chemical metal cleaning wastewater and rinse water off-site instead of treating the chemical metal cleaning wastewater in the storage tanks as described in (N.2.) above. The permittee shall receive prior approval from the OEPA District Office to use a proposed disposal site. The permittee shall submit a report to Ohio EPA within 14 days after the wastewater is hauled off-site which includes the following:

a. Estimated volume of chemical metal cleaning waste, including rinse water.

b. Identify the boiler and indicate that the wastewater was manifested.

c. Indicate name, operator, and location of the disposal site.

d. Any unusual events occurring during the chemical metal cleaning period.

N. Outfall Signage

The permittee shall maintain a permanent sign on the stream bank at each outfall that is regulated under this NPDES permit. This includes final outfalls, bypasses, and combined sewer overflows. The sign shall include, at a minimum, the name of the establishment to which the permit was issued, the Ohio EPA permit number, and the outfall number and a contact telephone number. The information shall be printed in letters not less than two inches in height. The sign shall be a minimum of 2 feet by 2 feet and shall be a minimum of 3 feet above ground level. The sign shall not be obstructed such that persons in boats or persons swimming on the river or someone fishing or walking along the shore cannot read the sign. Vegetation shall be periodically removed to keep the sign visible. If the outfall is normally submerged the sign shall indicate that. If the outfall is a combined sewer outfall, the sign shall indicate that untreated human sewage may be discharged from the outfall during wet weather and that harmful bacteria may be present in the water. When an existing sign is replaced or reset, the new sign shall comply with the requirements of this section.

O. There shall be no discharge of polychlorinated biphenyl compounds attributable to the permittee's operations.

P. Endangered Species Act

Nothing in this permit authorizes take for the purposes of a facility's compliance with the Endangered Species Act.

Q. Cooling Water Intake Structure Minimization of Entrainment and Impingement

The permittee operates a cooling water intake structure which is designed to withdraw 6.3 MGD. The permittee shall reduce impingement mortality and entrainment commensurate with the implementation of the technologies or operational measures selected. Based on the selected technologies and operational measures below, Ohio EPA has determined that the cooling water intake structure represents the best technology available to minimize adverse environmental impact in accordance with Section 316(b) of the federal Clean Water Act (33 U.S.C. section 1326).

Impingement mortality option - 40 CFR 125.94(c)(1): and
Site-specific standards for entrainment - 40 CFR 125.94(d):

The facility uses a recirculating system consisting of a cooling tower which reduces intake flow by 99 percent or more. In addition, the design velocity at the intake screens is 0.25 feet per second.

Based on the selected technologies and operational measures above, Ohio EPA has made a final determination under CFR Part 125, Subpart J that the intake meets the best technology available.

R. Cooling Water Intake Structure Monitoring Requirements

The permittee is required to perform the following monitoring to demonstrate compliance with the performance standards of Part II.T.

1. Visual or Remote Inspections

The permittee shall either conduct weekly visual inspections or employ remote monitoring devices during the period the cooling water intake structure is in operation. Weekly inspections are not required for the off-shore intake.

Should the facility be performing work or an inspection on the offshore intake scheduled as a result of

maintenance or conditions required by other regulatory agencies, the permittee shall also perform an inspection (remotely or visually) of the offshore intake for 316(b) purposes. The inspection, for 316(b) purposes, will ensure that the offshore intake is being operated with good engineering and maintenance practices. The results of the inspection shall be documented and retained by the facility for Agency review until the subsequent permit is issued.

S. Cooling Water Intake Structure Record Keeping and Reporting Requirements

1. Record Keeping Requirements

The permittee shall keep records of all the data used to complete the permit application and show compliance with the requirements of the 316(b) regulations until the subsequent permit is re-issued.

2. Reporting Requirements

The permittee shall submit an annual certification statement signed by the responsible corporate officer indicating whether there have been any substantial modifications of any units that impact the cooling water withdrawals and a summary of those changes. In addition, revisions must be submitted to the information required at 40 CFR 122.21(r) during the next permit application when new information is available.

T. Tracking of Group 4 Parameters

A preliminary effluent limit (PEL) has been provided below for parameters with a projected effluent quality (PEQ) equivalent to or exceeding seventy-five percent of the PEL. In accordance with rule 3745-33-07(A)(2) of the Ohio Administrative Code, the permittee must report in writing, any effluent concentration sample result greater than the PEL values listed below to Ohio EPA, Southeast District Office. Written notification must be submitted within 30 days of an effluent concentration sample result that exceeds the PEL and must detail the reasons why the PEL has been exceeded and the expectation of continued levels above the PEL.

Parameter	Daily Maximum PEL
Copper	65 µg/L

The permittee shall reduce discharge levels to below the PEL if either of the following conditions are met:

1. The maximum detected concentration per month is greater than the maximum PEL for four or more months during any consecutive six month period; or
2. The thirty-day average for any pollutant is greater than the average PEL for two or more months during any consecutive six month period; and

If the permittee cannot reduce discharge levels below the PEL within six months after either of conditions 1 or 2 above are met, the permittee may request to modify the permit to contain a compliance schedule. This request shall contain justification for the additional time necessary to reduce discharge levels.

PART III - GENERAL CONDITIONS

1. DEFINITIONS

"Daily discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

"Average weekly" discharge limitation means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week. Each of the following 7-day periods is defined as a calendar week: Week 1 is Days 1 - 7 of the month; Week 2 is Days 8 - 14; Week 3 is Days 15 - 21; and Week 4 is Days 22 - 28. If the "daily discharge" on days 29, 30 or 31 exceeds the "average weekly" discharge limitation, Ohio EPA may elect to evaluate the last 7 days of the month as Week 4 instead of Days 22 - 28. Compliance with fecal coliform bacteria or *E.coli* bacteria limitations shall be determined using the geometric mean.

"Average monthly" discharge limitation means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month. Compliance with fecal coliform bacteria or *E.coli* bacteria limitations shall be determined using the geometric mean.

"85 percent removal" means the arithmetic mean of the values for effluent samples collected in a period of 30 consecutive days shall not exceed 15 percent of the arithmetic mean of the values for influent samples collected at approximately the same times during the same period.

"Absolute Limitations" Compliance with limitations having descriptions of "shall not be less than," "nor greater than," "shall not exceed," "minimum," or "maximum" shall be determined from any single value for effluent samples and/or measurements collected.

"Net concentration" shall mean the difference between the concentration of a given substance in a sample taken of the discharge and the concentration of the same substances in a sample taken at the intake which supplies water to the given process. For the purpose of this definition, samples that are taken to determine the net concentration shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"Net Load" shall mean the difference between the load of a given substance as calculated from a sample taken of the discharge and the load of the same substance in a sample taken at the intake which supplies water to given process. For purposes of this definition, samples that are taken to determine the net loading shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"MGD" means million gallons per day.

"mg/l" means milligrams per liter.

"ug/l" means micrograms per liter.

"ng/l" means nanograms per liter.

"S.U." means standard pH unit.

"kg/day" means kilograms per day.

"Reporting Code" is a five digit number used by the Ohio EPA in processing reported data. The reporting code does not imply the type of analysis used nor the sampling techniques employed.

"Quarterly (1/Quarter) sampling frequency" means the sampling shall be done in the months of March, June, August, and December, unless specifically identified otherwise in the Effluent Limitations and Monitoring Requirements table.

"Yearly (1/Year) sampling frequency" means the sampling shall be done in the month of September, unless specifically identified otherwise in the effluent limitations and monitoring requirements table.

"Semi-annual (2/Year) sampling frequency" means the sampling shall be done during the months of June and December, unless specifically identified otherwise.

"Winter" shall be considered to be the period from November 1 through April 30.

"Bypass" means the intentional diversion of waste streams from any portion of the treatment facility.

"Summer" shall be considered to be the period from May 1 through October 31.

"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

"Sewage sludge" means a solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in a treatment works as defined in section 6111.01 of the Revised Code. "Sewage sludge" includes, but is not limited to, scum or solids removed in primary, secondary, or advanced wastewater treatment processes. "Sewage sludge" does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator, grit and screenings generated during preliminary treatment of domestic sewage in a treatment works, animal manure, residue generated during treatment of animal manure, or domestic septage.

"Sewage sludge weight" means the weight of sewage sludge, in dry U.S. tons, including admixtures such as liming materials or bulking agents. Monitoring frequencies for sewage sludge parameters are based on the reported sludge weight generated in a calendar year (use the most recent calendar year data when the NPDES permit is up for renewal).

"Sewage sludge fee weight" means the weight of sewage sludge, in dry U.S. tons, excluding admixtures such as liming materials or bulking agents. Annual sewage sludge fees, as per section 3745.11(Y) of the Ohio Revised Code, are based on the reported sludge fee weight for the most recent calendar year.

2. GENERAL EFFLUENT LIMITATION

The effluent shall, at all times, be free of substances:

- A. In amounts that will settle to form putrescent, or otherwise objectionable, sludge deposits; or that will adversely affect aquatic life or water fowl;
- B. Of an oily, greasy, or surface-active nature, and of other floating debris, in amounts that will form noticeable accumulations of scum, foam, or sheen;
- C. In amounts that will alter the natural color or odor of the receiving water to such degree as to create a nuisance;
- D. In amounts that either singly or in combination with other substances are toxic to human, animal, or aquatic life;
- E. In amounts that are conducive to the growth of aquatic weeds or algae to the extent that such growth become inimical to more desirable forms of aquatic life, or create conditions that are unsightly, or constitute a nuisance in any other fashion;
- F. In amounts that will impair designated instream or downstream water uses

3. FACILITY OPERATION AND QUALITY CONTROL

All wastewater treatment works shall be operated in a manner consistent with the following:

- A. At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with conditions of the permit.
- B. The permittee shall effectively monitor the operation and efficiency of treatment and control facilities and the quantity and quality of the treated discharge.
- C. Maintenance of wastewater treatment works that results in degradation of effluent quality shall be scheduled during non-critical water quality periods and shall be carried out in a manner approved by Ohio EPA as specified in the Paragraph in the PART III entitled, "UNAUTHORIZED DISCHARGES".

4. REPORTING

- A. Monitoring data required by this permit shall be submitted monthly on Ohio EPA 4500 Discharge Monitoring Report (DMR) forms using the electronic DMR (e-DMR) internet application. e-DMR allows permitted facilities to enter, sign, and submit DMRs on the internet. e-DMR information is found on the following web page:

<https://epa.ohio.gov/divisions-and-offices/surface-water/permitting/electronic-business-services>

- B. DMRs shall be signed by a facility's Responsible Official or a Delegated Responsible Official (i.e. a person delegated by the Responsible Official). The Responsible Official of a facility is defined as:

1. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (a) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or (b) The manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

2. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

3. In the case of a municipal, state or other public facility, by either the principal executive officer, the ranking elected official or other duly authorized employee.

For e-DMR, the person signing and submitting the DMR will need to obtain an eBusiness Center account and Personal Identification Number (PIN). Additionally, Delegated Responsible Officials must be delegated by the Responsible Official, either on-line using the eBusiness Center's delegation function, or on a paper delegation form provided by Ohio EPA. For more information on the PIN and delegation processes, please view the following web page:

<https://epa.ohio.gov/divisions-and-offices/surface-water/permitting/electronic-business-services-sub/edmr>

C. DMRs submitted using e-DMR shall be submitted to Ohio EPA by the 20th day of the month following the month-of-interest.

D. If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified in Section 5. SAMPLING AND ANALYTICAL METHODS, the results of such monitoring shall be included in the calculation and reporting of the values required in the reports specified above.

E. Analyses of pollutants not required by this permit, except as noted in the preceding paragraph, shall not be reported to the Ohio EPA, but records shall be retained as specified in Section 7. RECORDS RETENTION.

5. SAMPLING AND ANALYTICAL METHOD

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored flow. Test procedures for the analysis of pollutants shall conform to regulation 40 CFR 136, "Test Procedures For The Analysis of Pollutants" unless other test procedures have been specified in this permit. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.

6. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

A. The exact place and date of sampling; (time of sampling not required on EPA 4500)

- B. The person(s) who performed the sampling or measurements;
- C. The date the analyses were performed on those samples;
- D. The person(s) who performed the analyses;
- E. The analytical techniques or methods used; and
- F. The results of all analyses and measurements.

7. RECORDS RETENTION

The permittee shall retain all of the following records for the wastewater treatment works for a minimum of three years except those records that pertain to sewage sludge disposal, use, storage, or treatment, which shall be kept for a minimum of five years, including:

- A. All sampling and analytical records (including internal sampling data not reported);
- B. All original recordings for any continuous monitoring instrumentation;
- C. All instrumentation, calibration and maintenance records;
- D. All plant operation and maintenance records;
- E. All reports required by this permit; and
- F. Records of all data used to complete the application for this permit for a period of at least three years, or five years for sewage sludge, from the date of the sample, measurement, report, or application.

These periods will be extended during the course of any unresolved litigation, or when requested by the Regional Administrator or the Ohio EPA. The three year period, or five year period for sewage sludge, for retention of records shall start from the date of sample, measurement, report, or application.

8. AVAILABILITY OF REPORTS

Except for data determined by the Ohio EPA to be entitled to confidential status, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate district offices of the Ohio EPA. Both the Clean Water Act and Section 6111.05 Ohio Revised Code state that effluent data and receiving water quality data shall not be considered confidential.

9. DUTY TO PROVIDE INFORMATION

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

10. RIGHT OF ENTRY

The permittee shall allow the Director or an authorized representative upon presentation of credentials and other documents as may be required by law to:

- A. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.
- B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.
- C. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.
- D. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

11. UNAUTHORIZED DISCHARGES

A. Bypass Not Exceeding Limitations - The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs 11.B and 11.C.

B. Notice

- 1. Anticipated Bypass - If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.
- 2. Unanticipated Bypass - The permittee shall submit notice of an unanticipated bypass as required in paragraph 12.B (24 hour notice).

C. Prohibition of Bypass

- 1. Bypass is prohibited, and the Director may take enforcement action against a permittee for bypass, unless:
 - a. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - b. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - c. The permittee submitted notices as required under paragraph 11.B.
- 2. The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed above in paragraph 11.C.1.

12. NONCOMPLIANCE NOTIFICATION

A. Exceedance of a Daily Maximum Discharge Limit

- 1. The permittee shall report noncompliance that is the result of any violation of a daily maximum discharge limit for any of the pollutants listed by the Director in the permit by e-mail or telephone within twenty-four (24) hours of discovery.

The permittee may report to the appropriate Ohio EPA district office e-mail account as follows (this method is preferred):

Southeast District Office: sedo24hournpdes@epa.ohio.gov
Southwest District Office: swdo24hournpdes@epa.ohio.gov
Northwest District Office: nwdo24hournpdes@epa.ohio.gov
Northeast District Office: nedo24hournpdes@epa.ohio.gov
Central District Office: cdo24hournpdes@epa.ohio.gov
Central Office: co24hournpdes@epa.ohio.gov

The permittee shall attach a noncompliance report to the e-mail. A noncompliance report form is available on the following web site under the Monitoring and Reporting - Non-Compliance Notification section:

<https://epa.ohio.gov/divisions-and-offices/surface-water/permitting/individual-wastewater-discharge-permits>

Or, the permittee may report to the appropriate Ohio EPA district office by telephone toll-free between 8:00 AM and 5:00 PM as follows:

Southeast District Office: (800) 686-7330
Southwest District Office: (800) 686-8930
Northwest District Office: (800) 686-6930
Northeast District Office: (800) 686-6330
Central District Office: (800) 686-2330
Central Office: (614) 644-2001

The permittee shall include the following information in the telephone noncompliance report:

- a. The name of the permittee, and a contact name and telephone number;
- b. The limit(s) that has been exceeded;
- c. The extent of the exceedance(s);
- d. The cause of the exceedance(s);
- e. The period of the exceedance(s) including exact dates and times;
- f. If uncorrected, the anticipated time the exceedance(s) is expected to continue; and,
- g. Steps taken to reduce, eliminate or prevent occurrence of the exceedance(s).

B. Other Permit Violations

1. The permittee shall report noncompliance that is the result of any unanticipated bypass resulting in an exceedance of any effluent limit in the permit or any upset resulting in an exceedance of any effluent limit in the permit by e-mail or telephone within twenty-four (24) hours of discovery.

The permittee may report to the appropriate Ohio EPA district office e-mail account as follows (this method is preferred):

Southeast District Office: sedo24hournpdes@epa.ohio.gov
Southwest District Office: swdo24hournpdes@epa.ohio.gov
Northwest District Office: nwdo24hournpdes@epa.ohio.gov
Northeast District Office: nedo24hournpdes@epa.ohio.gov
Central District Office: cdo24hournpdes@epa.ohio.gov
Central Office: co24hournpdes@epa.ohio.gov

The permittee shall attach a noncompliance report to the e-mail. A noncompliance report form is available on the following web site under the Monitoring and Reporting - Non-Compliance Notification section:

<https://epa.ohio.gov/divisions-and-offices/surface-water/permitting/individual-wastewater-discharge-permits>

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Northwest District Office: (800) 686-6930
Northeast District Office: (800) 686-6330
Central District Office: (800) 686-2330
Central Office: (614) 644-2001

The permittee shall include the following information in the telephone noncompliance report:

- a. The name of the permittee, and a contact name and telephone number;
- b. The time(s) at which the discharge occurred, and was discovered;
- c. The approximate amount and the characteristics of the discharge;
- d. The stream(s) affected by the discharge;
- e. The circumstances which created the discharge;
- f. The name and telephone number of the person(s) who have knowledge of these circumstances;
- g. What remedial steps are being taken; and,
- h. The name and telephone number of the person(s) responsible for such remedial steps.

2. The permittee shall report noncompliance that is the result of any spill or discharge which may endanger human health or the environment within thirty (30) minutes of discovery by calling the 24-Hour Emergency Hotline toll-free at (800) 282-9378. The permittee shall also report the spill or discharge by e-mail or telephone within twenty-four (24) hours of discovery in accordance with B.1 above.

C. When the telephone option is used for the noncompliance reports required by A and B, the permittee shall submit to the appropriate Ohio EPA district office a confirmation letter and a completed

noncompliance report within five (5) days of the discovery of the noncompliance. This follow up report is not necessary for the e-mail option which already includes a completed noncompliance report.

D. If the permittee is unable to meet any date for achieving an event, as specified in a schedule of compliance in their permit, the permittee shall submit a written report to the appropriate Ohio EPA district office within fourteen (14) days of becoming aware of such a situation. The report shall include the following:

1. The compliance event which has been or will be violated;
2. The cause of the violation;
3. The remedial action being taken;
4. The probable date by which compliance will occur; and,
5. The probability of complying with subsequent and final events as scheduled.

E. The permittee shall report all other instances of permit noncompliance not reported under paragraphs A or B of this section on their monthly DMR submission. The DMR shall contain comments that include the information listed in paragraphs A or B as appropriate.

F. If the permittee becomes aware that it failed to submit an application, or submitted incorrect information in an application or in any report to the director, it shall promptly submit such facts or information.

13. RESERVED

14. DUTY TO MITIGATE

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

15. AUTHORIZED DISCHARGES

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than, or at a level in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit. Such violations may result in the imposition of civil and/or criminal penalties as provided for in Section 309 of the Act and Ohio Revised Code Sections 6111.09 and 6111.99.

16. DISCHARGE CHANGES

The following changes must be reported to the appropriate Ohio EPA district office as soon as practicable:

A. For all treatment works, any significant change in character of the discharge which the permittee knows or has reason to believe has occurred or will occur which would constitute cause for modification or revocation and reissuance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. Notification of permit changes or anticipated noncompliance does not stay any permit condition.

B. For publicly owned treatment works:

1. Any proposed plant modification, addition, and/or expansion that will change the capacity or efficiency of the plant;
2. The addition of any new significant industrial discharge; and
3. Changes in the quantity or quality of the wastes from existing tributary industrial discharges which will result in significant new or increased discharges of pollutants.

C. For non-publicly owned treatment works, any proposed facility expansions, production increases, or process modifications, which will result in new, different, or increased discharges of pollutants.

Following this notice, modifications to the permit may be made to reflect any necessary changes in permit conditions, including any necessary effluent limitations for any pollutants not identified and limited herein. A determination will also be made as to whether a National Environmental Policy Act (NEPA) review will be required. Sections 6111.44 and 6111.45, Ohio Revised Code, require that plans for treatment works or improvements to such works be approved by the Director of the Ohio EPA prior to initiation of construction.

D. In addition to the reporting requirements under 40 CFR 122.41(l) and per 40 CFR 122.42(a), all existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

1. That any activity has occurred or will occur which would result in the discharge on a routine or frequent basis of any toxic pollutant which is not limited in the permit. If that discharge will exceed the highest of the "notification levels" specified in 40 CFR Sections 122.42(a)(1)(i) through 122.42(a)(1)(iv).
2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the "notification levels" specified in 122.42(a)(2)(i) through 122.42(a)(2)(iv).

17. TOXIC POLLUTANTS

The permittee shall comply with effluent standards or prohibitions established under Section 307 (a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement. Following establishment of such standards or prohibitions, the Director shall modify this permit and so notify the permittee.

18. PERMIT MODIFICATION OR REVOCATION

A. After notice and opportunity for a hearing, this permit may be modified or revoked, by the Ohio EPA, in whole or in part during its term for cause including, but not limited to, the following:

1. Violation of any terms or conditions of this permit;
2. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
3. Change in any condition that requires either a temporary or permanent reduction or elimination of the

permitted discharge.

B. Pursuant to rule 3745-33-04, Ohio Administrative Code, the permittee may at any time apply to the Ohio EPA for modification of any part of this permit. The filing of a request by the permittee for a permit modification or revocation does not stay any permit condition. The application for modification should be received by the appropriate Ohio EPA district office at least ninety days before the date on which it is desired that the modification become effective. The application shall be made only on forms approved by the Ohio EPA.

19. TRANSFER OF OWNERSHIP OR CONTROL

This permit may be transferred or assigned and a new owner or successor can be authorized to discharge from this facility, provided the following requirements are met:

A. The permittee shall notify the succeeding owner or successor of the existence of this permit by a letter, a copy of which shall be forwarded to the appropriate Ohio EPA district office. The copy of that letter will serve as the permittee's notice to the Director of the proposed transfer. The copy of that letter shall be received by the appropriate Ohio EPA district office sixty (60) days prior to the proposed date of transfer;

B. A written agreement containing a specific date for transfer of permit responsibility and coverage between the current and new permittee (including acknowledgement that the existing permittee is liable for violations up to that date, and that the new permittee is liable for violations from that date on) shall be submitted to the appropriate Ohio EPA district office within sixty days after receipt by the district office of the copy of the letter from the permittee to the succeeding owner;

At any time during the sixty (60) day period between notification of the proposed transfer and the effective date of the transfer, the Director may prevent the transfer if he concludes that such transfer will jeopardize compliance with the terms and conditions of the permit. If the Director does not prevent transfer, he will modify the permit to reflect the new owner.

20. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

21. SOLIDS DISPOSAL

Collected grit and screenings, and other solids other than sewage sludge, shall be disposed of in such a manner as to prevent entry of those wastes into waters of the state, and in accordance with all applicable laws and rules.

22. CONSTRUCTION AFFECTING NAVIGABLE WATERS

This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

23. CIVIL AND CRIMINAL LIABILITY

Except as exempted in the permit conditions on UNAUTHORIZED DISCHARGES or UPSETS, nothing

in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

24. STATE LAWS AND REGULATIONS

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Clean Water Act.

25. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

26. UPSET

The provisions of 40 CFR Section 122.41(n), relating to "Upset," are specifically incorporated herein by reference in their entirety. For definition of "upset," see Part III, Paragraph 1, DEFINITIONS.

27. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

28. SIGNATORY REQUIREMENTS

All applications submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR 122.22.

All reports submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR Section 122.22.

29. OTHER INFORMATION

A. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

B. ORC 6111.99 provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$25,000 per violation.

C. ORC 6111.99 states that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$25,000 per violation.

D. ORC 6111.99 provides that any person who violates Sections 6111.04, 6111.042, 6111.05, or division (A) of Section 6111.07 of the Revised Code shall be fined not more than \$25,000 or imprisoned not more than one year, or both.

30. NEED TO HALT OR REDUCE ACTIVITY

40 CFR 122.41(c) states that it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with conditions of this permit.

31. APPLICABLE FEDERAL RULES

All references to 40 CFR in this permit mean the version of 40 CFR which is effective as of the effective date of this permit.

32. AVAILABILITY OF PUBLIC SEWERS

Notwithstanding the issuance or non-issuance of an NPDES permit to a semi-public disposal system, whenever the sewage system of a publicly owned treatment works becomes available and accessible, the permittee operating any semi-public disposal system shall abandon the semi-public disposal system and connect it into the publicly owned treatment works.

National Pollutant Discharge Elimination System (NPDES) Permit Program

F A C T S H E E T

Regarding a Modification to an NPDES Permit To Discharge to Waters of the State of Ohio
for the Washington Power Company LLC

Public Notice No.: 190713

Public Notice Date: October 17, 2023

Comment Period Ends: November 16, 2023

OEPA Permit No.: 0IB00028*GD

Application No.: OH0127841

Name and Address of Applicant:

Washington Power Company LLC
State Route 83
Beverly, Ohio 45715

Name and Address of Facility Where
Discharge Occurs:

Washington Power Company LLC
State Route 83
Beverly, OH 45715
Washington County

Receiving Water: Muskingum River and Green Olive Creek

Introduction

Development of a Fact Sheet for NPDES permits is mandated by Title 40 of the Code of Federal Regulations, Section 124.8 and 124.56. This document fulfills the requirements established in those regulations by providing the information necessary to inform the public of actions proposed by the Ohio Environmental Protection Agency, as well as the methods by which the public can participate in the process of finalizing those actions.

This Fact Sheet is prepared in order to document the technical basis and risk management decisions that are considered in the determination of water quality based NPDES Permit effluent limitations. The technical basis for the Fact Sheet may consist of evaluations of promulgated effluent guidelines, existing effluent quality, instream biological, chemical and physical conditions, and the relative risk of alternative effluent limitations. This Fact Sheet details the discretionary decision-making process empowered to the Director by the Clean Water Act and Ohio Water Pollution Control Law (ORC 6111). Decisions to award variances to Water Quality Standards or promulgated effluent guidelines for economic or technological reasons will also be justified in the Fact Sheet where necessary.

No antidegradation review was necessary.

Procedures for Participation in the Formulation of Final Determinations

The proposed modification is tentative but shall become final on the effective date unless (1) an adjudication hearing is requested, (2) the Director withdraws and revises the proposed modification after consideration of the record of a public meeting or written comments, or (3) upon disapproval by the Administrator of the U.S. Environmental Protection Agency.

Within forty-five (45) days of publication of this notice, any person may submit written comments, a statement as to why the proposed modification should be changed, a request for a public meeting on the proposed modification and/or a request for notice of further actions concerning the modification. All communications timely received will be considered in the final formulation of the modification. If significant public interest is shown a public meeting will be held prior to finalization of the modification.

Within thirty (30) days of the issuance of the proposed modification any officer of an agency of the state or of a political subdivision, acting in his representative capacity or any person aggrieved or adversely affected by issuance of it may request an adjudication hearing by submitting a written objection in accordance with Ohio Revised Code Section 3745.07. Since all other conditions of the permit remain in effect, a hearing may not be requested on any issues other than the proposed modification. If an adjudication hearing is requested, the existing NPDES permit will remain in effect until the hearing is resolved. Following the finalization of the modification by the Director, any person who was a party to an adjudication hearing may appeal to the Environmental Review Appeals Commission.

Requests for public meetings shall be in writing and shall state the action of the Director objected to, the questions to be considered, and the reasons the action is contested. Such requests should be addressed to:

**Legal Records Section
Ohio Environmental Protection Agency
Lazarus Government Center
P.O. Box 1049
Columbus, Ohio 43216-1049**

Interested persons are invited to submit written comments upon the proposed modification. Comments should be submitted in person or by mail no later than 30 days after the date of this Public Notice. Deliver or mail all comments to:

**Ohio Environmental Protection Agency
Attention: Division of Surface Water
Permits and Compliance Section
Lazarus Government Center
P.O. Box 1049
Columbus, Ohio 43216-1049**

The OEPA permit number and Public Notice numbers should appear on each page of any submitted comments. All comments received no later than 30 days after the date of the Public Notice will be considered.

Citizens may conduct file reviews regarding specific companies or sites. Appointments are necessary to conduct file reviews, because requests to review files have increased dramatically in recent years. The first 250 pages copied are free. For requests to copy more than 250 pages, there is a five-cent charge for each page copied. Payment is required by check or money order, made payable to Treasurer State of Ohio.

Location of Discharge/Receiving Water Use Classification

Washington Power Company LLC, hereinafter referred to as Washington Power, discharges to the Muskingum River at River Mile 27.1. Figure 1 shows the approximate location of the facility.

This segment of the Muskingum River is described by Ohio EPA River Code: 17-001, Hydrologic Unit Code: 05040004-11-05, County: Washington, Ecoregion: Western Allegheny Plateau. The Muskingum River is designated for the following uses under Ohio's water quality standards (OAC 3745-1-24): Warmwater Habitat (WWH), Agricultural Water Supply (AWS), Industrial Water Supply (IWS), and Primary Contact Recreation (PCR).

Washington Power discharges stormwater through outfalls 002, 003, and 004 to Olive Green Creek.

The Olive Green Creek is designated for the following uses under Ohio's water quality standards (OAC 3745-1-24): State Resource Water, Exceptional Warmwater Habitat, AWS, IWS and PCR.

Use designations define the goals and expectations of a waterbody. These goals are set for aquatic life protection, recreation use and water supply use, and are defined in the Ohio WQS (OAC 3745-1-07). The use designations for individual waterbodies are listed in rules -08 through -32 of the Ohio WQS. Once the goals are set, numeric WQS are developed to protect these uses. Different uses have different water quality criteria.

Use designations for aquatic life protection include habitats for coldwater fish and macroinvertebrates, warmwater aquatic life and waters with exceptional communities of warmwater organisms. These uses all meet the goals of the federal CWA. Ohio WQS also include aquatic life use designations for waterbodies which cannot meet the CWA goals because of human-caused conditions that cannot be remedied without causing fundamental changes to land use and widespread economic impact. The dredging and clearing of some small streams to support agricultural or urban drainage is the most common of these conditions. These streams are given Modified Warmwater or Limited Resource Water designations.

Recreation uses are defined by the depth of the waterbody and the potential for wading or swimming. Uses are defined for bathing waters, swimming/canoeing (Primary Contact Recreation) and wading only (Secondary Contact which are generally waters too shallow for swimming or canoeing).

Water supply uses are defined by the actual or potential use of the waterbody. Public Water Supply designations apply near existing water intakes so that waters are safe to drink with standard treatment. Most other waters are designated for agricultural water supply and industrial water supply.

Facility Description

Washington is a natural gas-fired steam-electric generating station with a generating capacity of 620 megawatts.

The process operations at Washington are classified in the Standard Industrial Classification (SIC) category 4911, Electric Services.

The process wastewaters generated from these operations are regulated under federal effluent guidelines (FEGs) listed in 40 CFR 423, "Steam Electric Power Generating Point Source Category".

Description of Existing Discharge

Table 1 highlights the primary outfalls, stormwater outfalls, internal monitoring stations, wastewater sources, treatment processes, discharge/receiving streams, and associated flows at Washington Power.

Figure 2 provides a flow schematic of the wastewater sources and supplies associated with Washington Power. Process wastewater is treated by the following processes:

- Sodium bisulfite to reduce chlorine concentration
- pH adjustment of the wastewater from the demineralizer water system
- Oil/water separation

Basis of the Modification

In response to Washington Power Company LLC's appeal of NPDES permit 0IB00028*FD, Ohio EPA proposes an Agency-initiated modification to satisfy requests from the permittee. Recent Discharge Monitoring Report (DMR) data from the period January 2022 to December 2022 has been reviewed to determine whether continued monitoring for barium and mercury are appropriate. Based on the comparison of the Projected Effluent Quality (PEQs) and wasteload allocations (WLAs) for these pollutants, it has been determined that they fall under parameter assessment Group 3. In accordance with Ohio Administrative Code 3745-2-06(B), monitoring is not required for Group 3 parameters when the PEQ does not exceed fifty percent of the WLA.

At the time that this modification was initiated, a minor modification to amend a typographical error in Part II, Item T was in process. This proposed amendment is proposed in this permit modification.

A list of proposed permit changes is provided below.

Summary of Changes

- Removal of monitoring requirements for barium and mercury at outfalls 001 and 091, and the associated footnotes.
- Removal of mercury from the tracking language in Part II, Item T.
- Removal of the average copper PEL in Part II, Item T.
- Revision of footnote language for outfalls 001 and 091 to clarify analytical methods for total residual oxidants.

Figure 1. Location of Washington Power

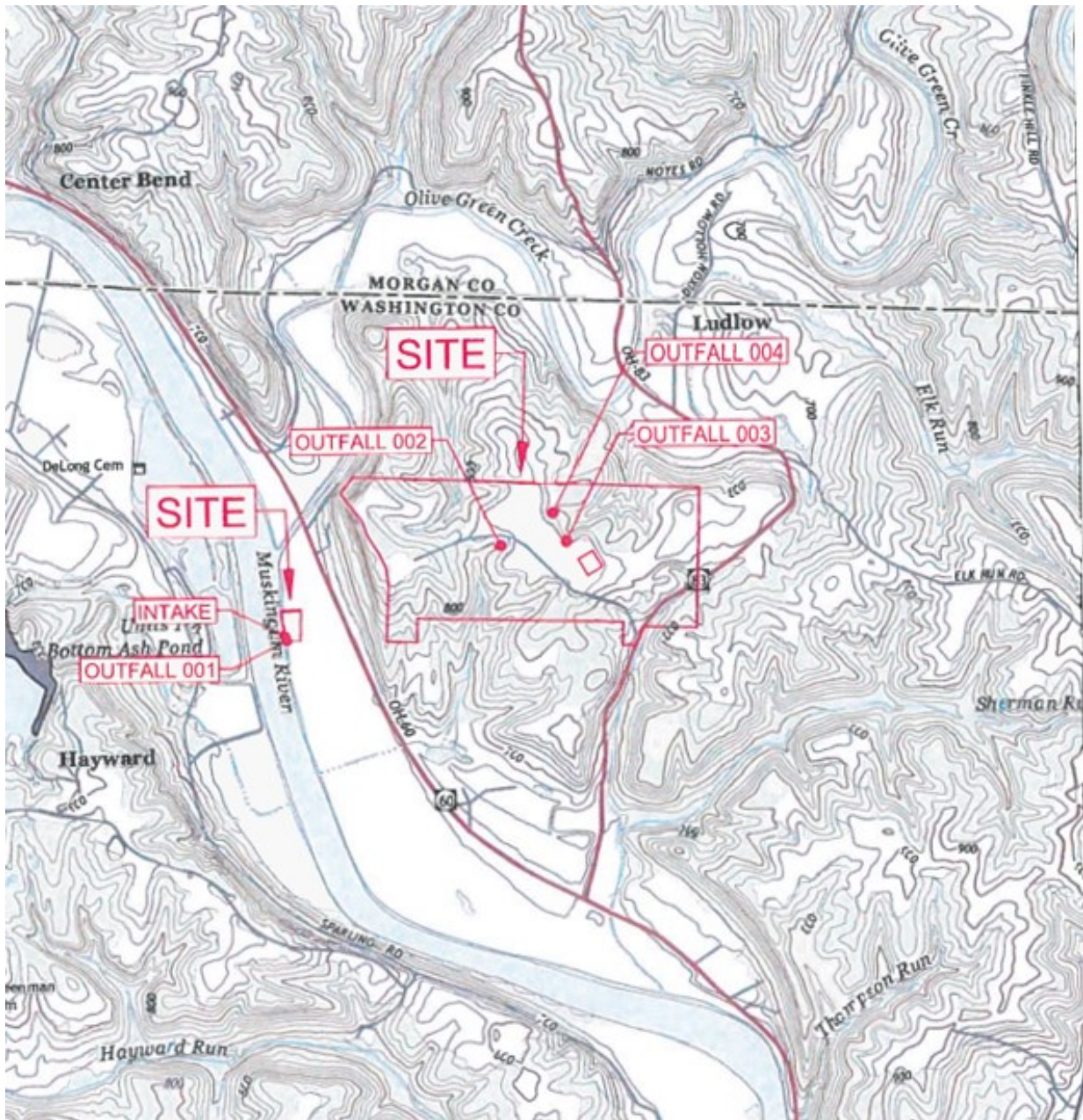


Figure 2. Flow Diagram for Washington Power

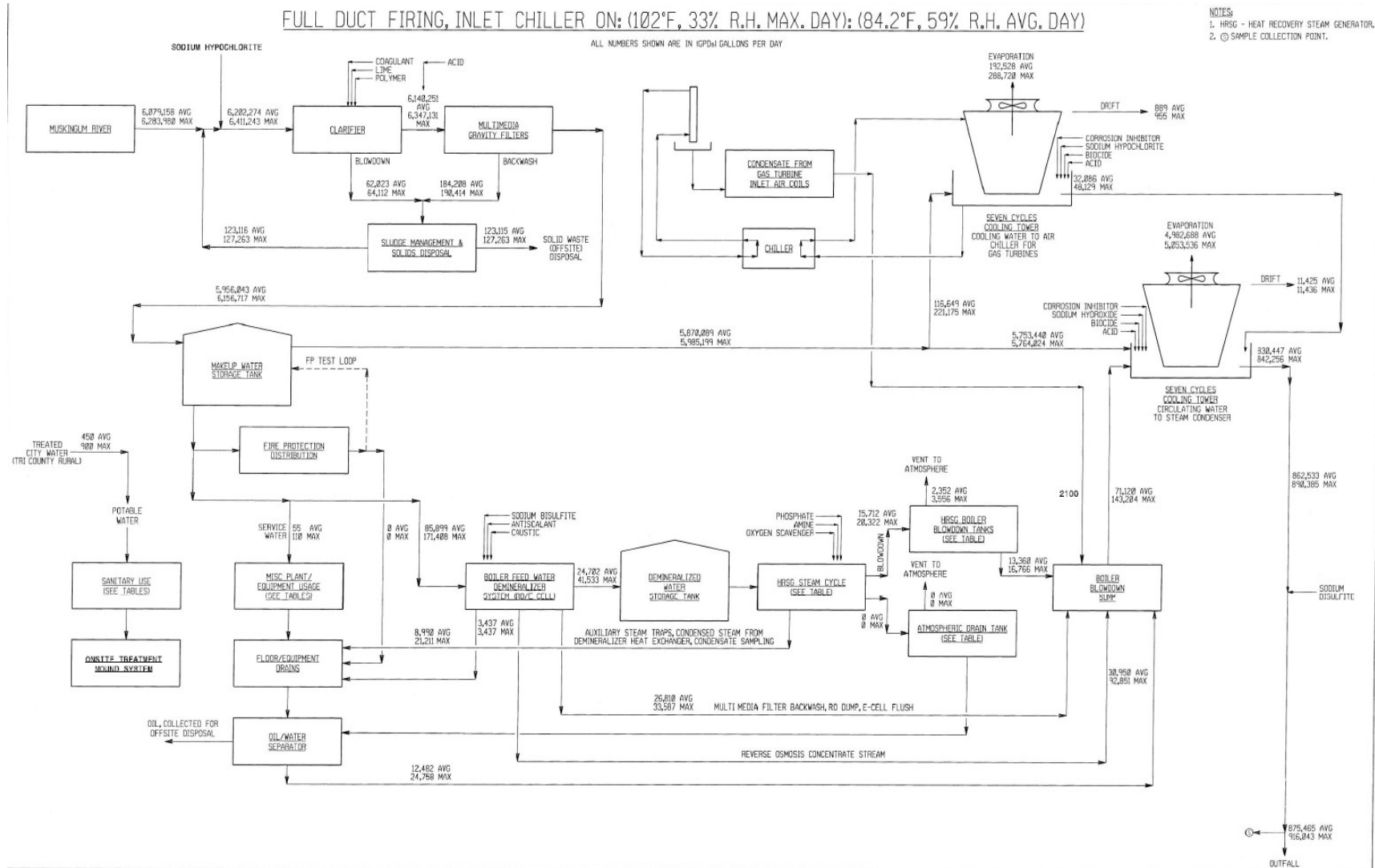


Table 1. Monitoring Stations, Wastewater Sources, Treatment Processes, Discharge Points, and Flow Rates

Station #	Wastewater Source	Treatment Utilized	Discharge/ Receiving Stream	Average Flow Rate (MGD)
001	Cooling tower blowdown, boiler blowdown, equipment and floor drains, reverse osmosis reject, process water preparation and chiller condensate. (Final; Chlorination / Bromination is less than 120 minutes)	Chemical Conditioning Chlorination Dechlorination	Muskingum River	0.23
002	Stormwater	None	Olive Green Creek	--
003	Stormwater	None	Olive Green Creek	--
004	Stormwater	None	Olive Green Creek	--
091	Cooling tower blowdown, boiler blowdown, equipment and floor drains, reverse osmosis reject, process water preparation and chiller condensate. (Final; Chlorination / Bromination is greater than 120 minutes)	Chemical Conditioning Chlorination Dechlorination	Muskingum River	0.23
602	Internal monitoring station. Boiler blowdown, multi-media filter backwash, reverse osmosis filter, e-cell flush and reverse osmosis reject.	--	Outfall 001	0.0034
603	Internal monitoring station. Oil/water separator.	Oil/Water Separator	Outfall 001	0.0015
604 ^a	Internal monitoring station. Chemical metal cleaning wastewater	--	Outfall 001	--

a = The facility takes chemical metal cleaning wastewater to a landfill.

Table 2. Effluent Characterization Using Self-Monitoring Data (2022)

Parameter	Unit	Current Limits		# Obs	Percentiles		Data Range
		30 Day	Daily		50th	95th	
Barium, TR	µg/L	Monitoring Only		11	345	434	39.5 - 465
Copper, TR	µg/L	Monitoring Only		56	28.9	80.9	11.3 - 120
Mercury, Total	ng/L	Monitoring Only		10	.605	3.61	0 - 4.6

Table 3. Projected Effluent Quality

Parameter	Units	Number of Samples	Number > MDL	PEQ Average	PEQ Maximum
Barium	µg/L	11	11	530.6	796.5
Copper - TR	µg/L	56	56	56.42	89.21
Mercury	ng/L	11	7	5.354	10.49

Table 4. Water Quality Criteria in the Study Area

Parameter	Units	Outside Mixing Zone Criteria				Inside Mixing Zone Maximum
		Average			Maximum Aquatic Life	
		Human Health	Agri-culture	Aquatic Life		
Barium	µg/L	1000	--	1400	6000	12000
Copper - TR	µg/L	--	500	20	32	65
Mercury	ng/L	12	10000	910	1700	1700

Table 5. Instream Conditions and Discharger Flow

Parameter	Units	Season	Value	Basis
Stream Flows				
1Q10	cfs	annual	551	USGS Gage 03150000
7Q10	cfs	annual	651	USGS Gage 03150000
		summer	655	USGS Gage 03150000
		winter	1050	USGS Gage 03150000
30Q10	cfs	summer	751	USGS Gage 03150000
		winter	1466	USGS Gage 03150000
Harmonic Mean	cfs	annual	2890	USGS Gage 03150000
Mixing Assumption	%	average	10	(***)WLAs for non-carcinogens are developed using 100 percent of the 7Q10.)
		maximum	1	
Hardness	mg/L	annual	244	Upstream Station 801; Jan 2016 - Dec 2020; Median.
Dynegy Washington II flow	cfs	annual	0.8154	95th% of monthly avgs; 2018-2022

Parameter	Units	Season	Value	Basis
<i>Background Water Quality</i>				
Barium	µg/L		52.2	R16P01; 2006; n=5; 0<MDL; Average
Copper - TR	µg/L		2.7	302140; 2013; n=1
Mercury	ng/L		0	No representative data available.

MDL = analytical method detection limit

n = number of samples

R16P01/302140 = Ohio EPA Monitoring Station R16P01/302140

Drainage Area Yield calculation using USGS Gage 03150000

Table 6. Summary of Effluent Limits to Maintain Applicable WQ Criteria

Parameter	Units	Outside Mixing Zone Criteria				Inside Mixing Zone Maximum
		Average			Maximum Aquatic Life	
		Human Health	Agri-culture	Aquatic Life		
Barium	µg/L	757715	--	109007	46192	12000
Copper - TR	µg/L	--	176759	1401	230	65
Mercury	ng/L	12	10000	910	1700	1700

Table 7. Parameter Assessment

Group 1: Due to a lack of criteria, the following parameters could not be evaluated at this time.

No parameters fit this group

Group 2: PEQ < 25 percent of WQS or all data below minimum detection limit.
WLA not required. No limit recommended; monitoring optional.

No parameters fit this group

Group 3: PEQmax < 50 percent of maximum PEL and PEQavg < 50 percent of average PEL.
No limit recommended; monitoring optional.

Barium

Mercury

Group 4: PEQmax $\geq$ 50 percent, but < 100 percent of the maximum PEL or
PEQavg $\geq$ 50 percent, but < 100 percent of the average PEL. Monitoring is appropriate.

No parameters fit this group

Group 5: Maximum PEQ $\geq$ 100 percent of the maximum PEL or average PEQ $\geq$ 100
percent of the average PEL, or either the average or maximum PEQ is between 75
and 100 percent of the PEL and certain conditions that increase the risk to the
environment are present. Limit recommended.

Limits to Protect Numeric Water Quality Criteria

<i>Parameter</i>	<i>Units</i>	<i>Recommended Effluent Limits</i>	
		<i>Average</i>	<i>Maximum</i>
Copper - TR	µg/L	--	65

PEL = preliminary effluent limit

PEQ = projected effluent quality

WLA = wasteload allocation

WQS = water quality standard

Table 8. Final Modified Effluent Limits for Outfall 001/091

Parameter	Units	Concentration		Loadings (kg/day) ^a		Basis
		30 Day Average	Daily Maximum	30 Day Average	Daily Maximum	
Outfall 001/091						
Water Temperature	°F	----- Monitor -----				M ^c
Chemical Oxygen Demand	mg/l	----- Monitor -----				BTJ
Total Suspended Solids	mg/l	----- Monitor -----				BTJ
Oil and Grease	mg/l	--	10.0	--	--	WQS
Zinc	µg/l	----- Monitor -----				BTJ
Copper	µg/l	----- Monitor -----				RP
Total Residual Oxidants	mg/l	--	0.025 ^d / 0.0048 ^e	--	--	BTJ ^d /WLA ^e
Flow Rate	MGD	----- Monitor -----				M ^c
Chlorine, Total Residual	mg/l	--	0.20 ^d / 0.038 ^e	--	--	BPJ ^d /WLA ^e
Acute Toxicity, <i>Ceriodaphnia dubia</i>	TU _a	----- Monitor -----				WET
Acute Toxicity, <i>Pimephales Promelas</i>	TU _a	----- Monitor -----				WET
pH Maximum	S.U.	--	9.0	--	--	WQS
pH Minimum	S.U.	--	6.5	--	--	WQS
Residue, Total Filterable	mg/l	----- Monitor -----				BTJ
Chlorination/Bromination Duration	Mins	--	120 ^f	--	--	BTJ
Carbonaceous Biochemical Oxygen Demand (5 day)	mg/l	----- Monitor -----				BTJ

^c Monitoring of flow and other indicator parameters is specified to assist in the evaluation of effluent quality and treatment plant performance.

^d Applies to Outfall 001

^e Applies to Outfall 091

^f No limitation for Outfall 091, but monitoring applies

Definitions:

BTJ = Best Technical Judgment

BPJ = Best Professional Judgement

FEG1 = Federal Effluent Guidelines – 40 CFR 423.15(b)(3)

FEG2 = Federal Effluent Guidelines – 40 CFR 423.15(b)(4)

FEG3 = Federal Effluent Guidelines – 40 CFR 423.15(b)(10)(i)

M = BEJ of Permit Guidance 2: Determination of Sampling Frequency Formula for Industrial Waste Discharges

RP = Reasonable Potential for requiring water quality-based effluent limits and monitoring requirements in permits (OAC 3745-33-07(A))

WET = Whole Effluent Toxicity (OAC 3745-33-07(B))

WQS = Ohio Water Quality Standards (OAC 3745-1)