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Alabama Department of Environmental Management
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APR 17 2026

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Montgomery, Alabama 36130-1463
(334) 271-7700 ■ FAX (334) 271-7950

MR. MICHAEL TURNBOW VP, CIVIL PROJECTS, ESS & CCP
TENNESSEE VALLEY AUTHORITY
P.O. BOX 2000
STEVENSON, AL 35772

**RE: REVISED DRAFT PERMIT
NPDES PERMIT NUMBER AL0003875**

Dear Mr. Turnbow:

Transmitted herein is a draft of the referenced permit.

We would appreciate your comments on the permit within **30 days** of the date of this letter. Please direct any comments of a technical or administrative nature to the undersigned.

By copy of this letter and the draft permit, we are also requesting comments within the same time frame from EPA.

Our records indicate that you have utilized the Department's web-based electronic environmental (E2) reporting system for submittal of discharge monitoring reports (DMRs). The Department transitioned from the E2 Reporting System to the Alabama Environmental Permitting and Compliance System (AEPACS) for the submittal of DMRs on November 15, 2021. AEPACS is an electronic system that allows facilities to apply for and maintain permits as well as submit other required applications, registrations, and certifications. In addition, the system allows facilities to submit required compliance reports or other information to the Department. The Department has used the E2 User account information to set up a similar User Profile in AEPACS based on the following criteria:

1. The user has logged in to E2 since October 1, 2019; and
2. The E2 user account is set up using a unique email address.

E2 users that met the above criteria will only need to establish an ADEM Web Portal account (<https://prd.adem.alabama.gov/awp>) under the same email address as their E2 account to have the same permissions in AEPACS as they did in E2. They will also automatically be linked to the same facilities they were in E2.

The Alabama Department of Environmental Management encourages you to voluntarily consider pollution prevention practices and alternatives at your facility. Pollution Prevention may assist you in complying with effluent limitations, and possibly reduce or eliminate monitoring requirements.

If you have questions regarding this permit or monitoring requirements, please contact Muhammad Mehmood by e-mail at muhammad.mehmood@adem.alabama.gov or by phone at (334) 279-3065.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Jackson", is written over a printed name and title.

Scott Jackson, Chief
Industrial Section
Industrial/Municipal Branch
Water Division

Enclosure: Draft Permit

pc via website: Montgomery Field Office
EPA Region IV
U.S. Fish & Wildlife Service
AL Historical Commission
Advisory Council on Historic Preservation
Department of Conservation and Natural Resources



Birmingham Office
110 Vulcan Road
Birmingham, AL 35209-4702
(205) 942-6168
(205) 941-1603 (FAX)

Decatur Office
2715 Sandlin Road, S.W.
Decatur, AL 35603-1333
(256) 353-1713
(256) 340-9359 (FAX)

Coastal Office
1615 South Broad Street
Mobile, AL 36605
(251) 450-3400
(251) 479-2593 (FAX)



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PERMITTEE: TENNESSEE VALLEY AUTHORITY

FACILITY LOCATION: WIDOWS CREEK FACILITY
2800 STEAM PLANT ROAD
STEVENSON, ALABAMA 35772
JACKSON COUNTY

PERMIT NUMBER: AL0003875

RECEIVING WATERS: DSN001, DSN005, DSN006, DSN021, DSN034 – DSN037: TENNESSEE RIVER
DSN007 – DSN008, DSN013, DSN023 – DSN029: WIDOWS CREEK
DSN030 – DSN033: HORN BRANCH

In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§1251-1388 (the "FWPCA"), the Alabama Water Pollution Control Act, as amended, Code of Alabama 1975, §§ 22-22-1 to 22-22-14 (the "AWPCA"), the Alabama Environmental Management Act, as amended, Code of Alabama 1975, §§22-22A-1 to 22-22A-17, and rules and regulations adopted thereunder, and subject further to the terms and conditions set forth in this permit, the Permittee is hereby authorized to discharge into the above-named receiving waters.

ISSUANCE DATE:

EFFECTIVE DATE:

EXPIRATION DATE:

DRAFT

Alabama Department of Environmental Management

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PART I: DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

DSN001S, DSN025S through DSN028S: Storm water runoff from the closed Ash Pond area. 3/ 4/ 5/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	Sample Frequency ²	Sample Type ¹	Seasonal	
				(Report) Minimum Daily						(Report) Maximum Daily
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Arsenic, Total (As As) (01002) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Cadmium, Total (As Cd) (01027) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Chromium, Total (As Cr) (01034) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Copper, Total (As Cu) (01042) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Lead, Total (As Pb) (01051) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nickel, Total (As Ni) (01067) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

- 1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.
- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.
- 5/ Monitoring shall be required at DSN001S only. Monitoring is not required at DSN025S through DSN028S.

DSN001S, DSN025S through DSN028S (Continued): Storm water runoff from the closed Ash Pond area. 3/ 4/ 5/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency ²	Sample Type ¹	Seasonal
Antimony, Total (As Sb) (01097) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Selenium, Total (As Se) (01147) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months
Mercury, Total (As Hg) 6/ (71900) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	ug/l	Semi-Annually	Grab	All Months
Iron, Total (As Fe) (74010) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

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- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.
- 5/ Monitoring shall be required at DSN001S only. Monitoring is not required at DSN025S through DSN028S.
- 6/ Mercury monitoring shall be in accordance with Part I.B.2 of the Permit.

DSN005S: Storm water runoff from the closed Ash Pond area, restored limestone staging area, restored equipment staging area, and removed constructed wetlands. 3/ 4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency ²	Sample Type ¹	Seasonal
				(Report) Minimum Daily		(Report) Maximum Daily				
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Arsenic, Total (As As) (01002) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Cadmium, Total (As Cd) (01027) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Chromium, Total (As Cr) (01034) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Copper, Total (As Cu) (01042) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Lead, Total (As Pb) (01051) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nickel, Total (As Ni) (01067) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

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- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.

DSN005S (Continued): Storm water runoff from the closed Ash Pond area, restored limestone staging area, restored equipment staging area, and removed constructed wetlands. 3/ 4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	Sample Frequency ²	Sample Type ¹	Seasonal	
Antimony, Total (As Sb) (01097) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Semi- Annually	Grab	All Months	
Selenium, Total (As Se) (01147) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Semi- Annually	Grab	All Months	
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi- Annually	Estimate	All Months
Mercury, Total (As Hg) 5/ (71900) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily ug/l	Semi- Annually	Grab	All Months	
Iron, Total (As Fe) (74010) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Semi- Annually	Grab	All Months	

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

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- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.
- 5/ Mercury monitoring shall be in accordance with Part I.B.2 of the Permit.

DSN006S: Storm water from general site runoff and the removed constructed wetlands, and inactive ash disposal area seepage. 3/ 4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	Sample Frequency ²	Sample Type ¹	Seasonal	
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Arsenic, Total (As As) (01002) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Cadmium, Total (As Cd) (01027) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Chromium, Total (As Cr) (01034) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Copper, Total (As Cu) (01042) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Lead, Total (As Pb) (01051) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nickel, Total (As Ni) (01067) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

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- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.

DSN006S (Continued): Storm water from general site runoff and the removed constructed wetlands, and inactive ash disposal area seepage. 3/ 4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency ²	Sample Type ¹	Seasonal
Antimony, Total (As Sb) (01097) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Selenium, Total (As Se) (01147) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months
Mercury, Total (As Hg) 5/ (71900) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	ug/l	Semi-Annually	Grab	All Months
Iron, Total (As Fe) (74010) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

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- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.
- 5/ Mercury monitoring shall be in accordance with Part I.B.2 of the Permit.

DSN0071: Discharge from the Process Water Pond to include stormwater runoff and CCR leachate. 3/ 4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency ²	Sample Type ¹	Seasonal
pH (00400) Effluent Gross Value	*****	*****	*****	6.0 Minimum Daily	*****	8.5 Maximum Daily	S.U.	Monthly	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	22.0 Monthly Average	77.0 Maximum Daily	mg/l	Monthly	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	9.0 Monthly Average	12.0 Maximum Daily	mg/l	Monthly	Grab	All Months
Nitrogen, Total (As N) (00600) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months
Phosphorus, Total (As P) (00665) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months
Arsenic, Total (As As) (01002) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months
Cadmium, Total (As Cd) (01027) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months
Chromium, Total (As Cr) (01034) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months
Copper, Total (As Cu) (01042) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months

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- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.C for Allowable Non-Stormwater Discharges.

DSN0071 (Continued): Discharge from the Process Water Pond to include stormwater runoff and CCR leachate. 3/ 4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	Sample Frequency ²	Sample Type ¹	Seasonal	
Lead, Total (As Pb) (01051) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Monthly	Grab	All Months	
Nickel, Total (As Ni) (01067) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Monthly	Grab	All Months	
Zinc, Total (As Zn) (01092) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Monthly	Grab	All Months	
Antimony, Total (As Sb) (01097) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Monthly	Grab	All Months	
Selenium, Total (As Se) (01147) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Monthly	Grab	All Months	
Nitrogen, Ammonia, Total (As NH3) (34726) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Monthly	Grab	All Months	
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Monthly	Instantaneous	All Months
Mercury, Total (As Hg) 5/ (71900) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily ug/l	Monthly	Grab	All Months	
Iron, Total (As Fe) (74010) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Monthly	Grab	All Months	

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- 1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.
- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.C for Allowable Non-Stormwater Discharges.
- 5/ Mercury monitoring shall be in accordance with Part I.B.2 of the Permit.

DSN008S, DSN021S, DSN023S, and DSN024S: Stormwater from the closed Ash Pond Dredge Cell. 3/ 4/ 5/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	Sample Frequency ²	Sample Type ¹	Seasonal	
				(Report) Minimum Daily						(Report) Maximum Daily
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Arsenic, Total (As As) (01002) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Cadmium, Total (As Cd) (01027) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Chromium, Total (As Cr) (01034) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Copper, Total (As Cu) (01042) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Lead, Total (As Pb) (01051) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nickel, Total (As Ni) (01067) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

- 1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.
- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.
- 5/ Monitoring shall be required at DSN023S only. Monitoring is not required at DSN008S, DSN021S, or DSN024S.

DSN008S, DSN021S, DSN023S, and DSN024S (Continued): Stormwater from the closed Ash Pond Dredge Cell 3/ 4/ 5/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	Sample Frequency ²	Sample Type ¹	Seasonal	
Zinc, Total (As Zn) (01092) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Semi-Annually	Grab	All Months	
Antimony, Total (As Sb) (01097) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Semi-Annually	Grab	All Months	
Selenium, Total (As Se) (01147) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Semi-Annually	Grab	All Months	
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months
Mercury, Total (As Hg) 6/ (71900) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily ug/l	Semi-Annually	Grab	All Months	
Iron, Total (As Fe) (74010) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily mg/l	Semi-Annually	Grab	All Months	

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

- 1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.
- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.
- 5/ Monitoring shall be required at DSN023S only. Monitoring is not required at DSN008S, DSN021S, or DSN024S.
- 6/ Mercury monitoring shall be in accordance with Part I.B.2 of the Permit.

DSN013S: Storm water from the closed C & D Landfill including flows from DSN013A, DSN013B, DSN013C, and DSN013D (from the closed Gypsum Stack). 3 /4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency ²	Sample Type ¹	Seasonal
				(Report) Minimum Daily		(Report) Maximum Daily				
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Arsenic, Total (As As) (01002) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Cadmium, Total (As Cd) (01027) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Chromium, Total (As Cr) (01034) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Copper, Total (As Cu) (01042) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Lead, Total (As Pb) (01051) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nickel, Total (As Ni) (01067) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

- 1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.
- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.

DSN013S (Continued): Storm water from the closed C & D Landfill including flows from DSN013A, DSN013B, DSN013C, and DSN013D (from the closed Gypsum Stack). 3 /4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency ²	Sample Type ¹	Seasonal
Zinc, Total (As Zn) (01092) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Antimony, Total (As Sb) (01097) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Selenium, Total (As Se) (01147) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months
Mercury, Total (As Hg) 5/ (71900) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	ug/l	Semi-Annually	Grab	All Months
Iron, Total (As Fe) (74010) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

- 1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.
- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.
- 5/ Mercury monitoring shall be in accordance with Part I.B.2 of the Permit.

DSN013A, DSN013B, DSN013C, and DSN013D: Storm water from the closed Gypsum Stack. 3 /4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

**NO MONITORING REQUIRMENTS IMPOSED PROVIDED THE PERMITTEE ADDS NO
POLLUTANTS TO THE DISCHARGE**

**THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF
VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.**

DSN029S through DSN033S: Storm water from the closed Gypsum Stack footprint. 3/ 4/ 5/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	Sample Frequency ²	Sample Type ¹	Seasonal	
				(Report) Minimum Daily						(Report) Maximum Daily
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Arsenic, Total (As As) (01002) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Beryllium, Total (As Be) (01012) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Cadmium, Total (As Cd) (01027) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Chromium, Total (As Cr) (01034) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Copper, Total (As Cu) (01042) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Lead, Total (As Pb) (01051) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

- 1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.
- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.
- 5/ Monitoring shall be required at DSN030S only. Monitoring is not required at DSN029S, DSN031S, DSN032S, or DSN033S.
- 6/ EPA Methods 245.7, 1631E, 1669, or alternative methods specifically approved by the Department, shall be used for the analysis of this parameter.

DSN029S through DSN033S (Continued): Storm water from the closed Gypsum Stack footprint. 3/ 4/ 5/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency ²	Sample Type ¹	Seasonal
Nickel, Total (As Ni) (01067) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi- Annually	Grab	All Months
Antimony, Total (As Sb) (01097) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi- Annually	Grab	All Months
Selenium, Total (As Se) (01147) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi- Annually	Grab	All Months
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi- Annually	Estimate	All Months
Mercury, Total (As Hg) 6/ (71900) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	ug/l	Semi- Annually	Grab	All Months
Iron, Total (As Fe) (74010) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi- Annually	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

- 1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.
- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.
- 5/ Monitoring shall be required at DSN030S only. Monitoring is not required at DSN029S, DSN031S, DSN032S, or DSN033S.
- 6/ Mercury monitoring shall be in accordance with Part I.B.2 of the Permit.

DSN034S through DSN037S: Stormwater runoff from former Plant footprint 3/ 4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	Sample Frequency ²	Sample Type ¹	Seasonal	
				(Report) Minimum Daily	(Report) Maximum Daily					
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nitrogen, Ammonia Total (As N) (00610) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nitrogen, Kjeldahl Total (As N) (00625) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nitrite Plus Nitrate Total I Det. (As N) (00630) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Phosphorus, Total (As P) (00665) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Arsenic, Total (As As) (01002) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	MGD	Semi-Annually	Estimate	All Months
Chemical Oxygen Demand (COD) (81017) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

- 1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.
- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.

B. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge and shall be in accordance with the provisions of this permit.

2. Test Procedures

For the purpose of reporting and compliance, permittees shall use one of the following procedures:

- a. For parameters with an EPA established Minimum Level (ML), report the measured value if the analytical result is at or above the ML and report "0" for values below the ML. Test procedures for the analysis of pollutants shall conform to 40 CFR Part 136 and guidelines published pursuant to Section 304(h) of the FWPCA, 33 U.S.C. Section 1314(h). If more than one method for analysis of a substance is approved for use, a method having a minimum level lower than the permit limit shall be used. If the minimum level of all methods is higher than the permit limit, the method having the lowest minimum level shall be used and a report of less than the minimum level shall be reported as zero and will constitute compliance; however, should EPA approve a method with a lower minimum level during the term of this permit the permittee shall use the newly approved method.
- b. For pollutants parameters without an established ML, an interim ML may be utilized. The interim ML shall be calculated as 3.18 times the Method Detection Level (MDL) calculated pursuant to 40 CFR Part 136, Appendix B.

Permittees may develop an effluent matrix-specific ML, where an effluent matrix prevents attainment of the established ML. However, a matrix specific ML shall be based upon proper laboratory method and technique. Matrix-specific MLs must be approved by the Department, and may be developed by the permittee during permit issuance, reissuance, modification, or during compliance schedule.

In either case the measured value should be reported if the analytical result is at or above the ML and "0" reported for values below the ML.

- c. For parameters without an EPA established ML, interim ML, or matrix-specific ML, a report of less than the detection limit shall constitute compliance if the detection limit of all analytical methods is higher than the permit limit using the most sensitive EPA approved method. For the purpose of calculating a monthly average, "0" shall be used for values reported less than the detection limit.

The Minimum Level utilized for procedures A and B above shall be reported on the permittee's DMR. When an EPA approved test procedure for analysis of a pollutant does not exist, the Director shall approve the procedure to be used.

3. 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 facility name and location, point source number, date, time and exact place of sampling;
- b. The name(s) of person(s) who obtained the samples or measurements;
- c. The dates and times the analyses were performed;
- d. The name(s) of the person(s) who performed the analyses;
- e. The analytical techniques or methods used, including source of method and method number; and
- f. The results of all required analyses.

4. Records Retention and Production

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the above reports or the application for this permit, for a period of at least three years from the date of the sample measurement, report or application. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPCA and/or the FWPCA, is ongoing which involves any of the above records, the records shall be kept until the litigation is resolved. Upon the written request of the Director or his designee, the

permittee shall provide the Director with a copy of any record required to be retained by this paragraph. Copies of these records shall not be submitted unless requested.

All records required to be kept for a period of three years shall be kept at the permitted facility or an alternate location approved by the Department in writing and shall be available for inspection.

5. Monitoring Equipment and Instrumentation

All equipment and instrumentation used to determine compliance with the requirements of this permit shall be installed, maintained, and calibrated in accordance with the manufacturer's instructions or, in the absence of manufacturer's instructions, in accordance with accepted practices. The permittee shall develop and maintain quality assurance procedures to ensure proper operation and maintenance of all equipment and instrumentation. The quality assurance procedures shall include the proper use, maintenance, and installation, when appropriate, of monitoring equipment at the plant site.

C. DISCHARGE REPORTING REQUIREMENTS

1. Reporting of Monitoring Requirements

- a. The permittee shall conduct the required monitoring in accordance with the following schedule:

MONITORING REQUIRED MORE FREQUENTLY THAN MONTHLY AND MONTHLY shall be conducted during the first full month following the effective date of coverage under this permit and every month thereafter.

QUARTERLY MONITORING shall be conducted at least once during each calendar quarter. Calendar quarters are the periods of January through March, April through June, July through September, and October through December. The permittee shall conduct the quarterly monitoring during the first complete calendar quarter following the effective date of this permit and is then required to monitor once during each quarter thereafter. Quarterly monitoring may be done anytime during the quarter, unless restricted elsewhere in this permit, but it should be submitted with the last DMR due for the quarter, i.e., (March, June, September and December DMR's).

SEMIANNUAL MONITORING shall be conducted at least once during the period of January through June and at least once during the period of July through December. The permittee shall conduct the semiannual monitoring during the first complete calendar semiannual period following the effective date of this permit and is then required to monitor once during each semiannual period thereafter. Semiannual monitoring may be done anytime during the semiannual period, unless restricted elsewhere in this permit, but it should be submitted with the last DMR for the month of the semiannual period, i.e. (June and December DMR's).

ANNUAL MONITORING shall be conducted at least once during the period of January through December. The permittee shall conduct the annual monitoring during the first complete calendar annual period following the effective date of this permit and is then required to monitor once during each annual period thereafter. Annual monitoring may be done anytime during the year, unless restricted elsewhere in this permit, but it should be submitted with the December DMR.

- b. The permittee shall submit discharge monitoring reports (DMRs) on the forms provided by the Department and in accordance with the following schedule:

REPORTS OF MORE FREQUENTLY THAN MONTHLY AND MONTHLY TESTING shall be submitted on a **monthly** basis. The first report is due on the **28th day of (MONTH, YEAR)**. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF QUARTERLY TESTING shall be submitted on a **quarterly** basis. The first report is due on the **28th day of [Month, Year]**. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF SEMIANNUAL TESTING shall be submitted on a semiannual basis. The reports are due on the 28th day of JANUARY and the 28th day of JULY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF ANNUAL TESTING shall be submitted on an annual basis. The first report is due on the 28th day of JANUARY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

- c. Except as allowed by Provision I.C.1.c.(1) or (2), the permittee shall submit all Discharge Monitoring Reports (DMRs) required by Provision I.C.1.b electronically.

- (1) If the permittee is unable to complete the electronic submittal of DMR data due to technical problems originating with the Department's electronic system (this could include entry/submittal issues with an entire set of DMRs or individual parameters), the permittee is not relieved of their obligation to submit DMR data to the Department by the date specified in Provision I.C.1.b, unless otherwise directed by the Department.

If the Department's electronic system is down on the 28th day of the month in which the DMR is due or is down for an extended period of time, as determined by the Department, when a DMR is required to be submitted, the permittee may submit the data in an alternate manner and format acceptable to the Department. Preapproved alternate acceptable methods include faxing, e-mailing, mailing, or hand-delivery of data such that they are received by the required reporting date. Within 5 calendar days of the Department's electronic system resuming operation, the permittee shall enter the data into the Department's electronic system, unless an alternate timeframe is approved by the Department. A comment should be included on the electronic DMR submittal verifying the original submittal date (date of the fax, copy of the dated e-mail, or hand-delivery stamped date), if applicable.

- (2) The permittee may submit a request to the Department for a temporary electronic reporting waiver for DMR submittals. The waiver request should include the permit number; permittee name; facility/site name; facility address; name, address, and contact information for the responsible official or duly authorized representative; a detailed statement regarding the basis for requesting such a waiver; and the duration for which the waiver is requested. Approved electronic reporting waivers are not transferrable.

Permittees with an approved electronic reporting waiver for DMRs may submit hard copy DMRs for the period that the approved electronic reporting waiver request is effective. The permittee shall submit the Department-approved DMR forms to the address listed in Provision I.C.1.e.

- (3) If a permittee is allowed to submit a hard copy DMR, the DMR must be legible and bear an original signature. Photo and electronic copies of the signature are not acceptable and shall not satisfy the reporting requirements of this permit.
 - (4) If the permittee, using approved analytical methods as specified in Provision I.B.2, monitors any discharge from a point source for a limited substance identified in Provision I.A. of this permit more frequently than required by this permit, the results of such monitoring shall be included in the calculation and reporting of values on the DMR and the increased frequency shall be indicated on the DMR.
 - (5) In the event no discharge from a point source identified in Provision I.A. of this permit and described more fully in the permittee's application occurs during a monitoring period, the permittee shall report "No Discharge" for such period on the appropriate DMR.
- d. All reports and forms required to be submitted by this permit, the AWPCA and the Department's Rules, shall be electronically signed (or, if allowed by the Department, traditionally signed) by a "responsible official" of the permittee as defined in ADEM Administrative Code Rule 335-6-6-.09 or a "duly authorized representative" of such official as defined in ADEM Administrative Code Rule 335-6-6-.09 and shall bear the following certification:

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

- e. Discharge Monitoring Reports required by this permit, the AWPCA, and the Department's Rules that are being submitted in hard copy shall be addressed to:

**Alabama Department of Environmental Management
Water Division
Office of Water Services
Post Office Box 301463
Montgomery, Alabama 36130-1463**

Certified and Registered Mail containing Discharge Monitoring Reports shall be addressed to:

**Alabama Department of Environmental Management
Water Division
Office of Water Services
1400 Coliseum Boulevard
Montgomery, Alabama 36110-2400**

- f. All other correspondence and reports required to be submitted by this permit, the AWPCA, and the Department's Rules shall be addressed to:

**Alabama Department of Environmental Management
Water Division
Post Office Box 301463
Montgomery, Alabama 36130-1463**

Certified and Registered Mail shall be addressed to:

**Alabama Department of Environmental Management
Water Division
1400 Coliseum Boulevard
Montgomery, Alabama 36110-2400**

- g. If this permit is a re-issuance, then the permittee shall continue to submit DMRs in accordance with the requirements of their previous permit until such time as DMRs are due as discussed in Part I.C.1.b above.

2. Noncompliance Notification

a. 24-Hour Noncompliance Reporting

The permittee shall report to the Director, within 24-hours of becoming aware of the noncompliance, any noncompliance which may endanger health or the environment. This shall include but is not limited to the following circumstances:

- (1) does not comply with any daily minimum or maximum discharge limitation for an effluent characteristic specified in Provision I. A. of this permit which is denoted by an "(X)";
- (2) threatens human health or welfare, fish or aquatic life, or water quality standards;
- (3) does not comply with an applicable toxic pollutant effluent standard or prohibition established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a);
- (4) contains a quantity of a hazardous substance which has been determined may be harmful to public health or welfare under Section 311(b)(4) of the FWPCA, 33 U.S.C. Section 1321(b)(4);
- (5) exceeds any discharge limitation for an effluent characteristic as a result of an unanticipated bypass or upset; and
- (6) is an unpermitted direct or indirect discharge of a pollutant to a water of the state (unpermitted discharges properly reported to the Department under any other requirement are not required to be reported under this provision).

The permittee shall orally report the occurrence and circumstances of such discharge to the Director within 24-hours after the permittee becomes aware of the occurrence of such discharge. In addition to the oral report, the permittee shall submit to the Director or Designee a written report as provided in Part I.C.2.c no later than five (5) days after becoming aware of the occurrence of such discharge.

- b. If for any reason, the permittee's discharge does not comply with any limitation of this permit, the permittee shall submit to the Director or Designee a written report as provided in Part I.C.2.c below, such report shall be submitted with the next Discharge Monitoring Report required to be submitted by Part I.C.1 of this permit after becoming aware of the occurrence of such noncompliance.
- c. Any written report required to be submitted to the Director or Designee by Part I.C.2 a. or b. shall be submitted using a Noncompliance Notification Form (ADEM Form 421) available on the Department's website (<http://adem.alabama.gov/DeptForms/Form421.pdf>) and include the following information:

- (1) A description of the discharge and cause of noncompliance;

- (2) The period of noncompliance, including exact dates and times or, if not corrected, the anticipated time the noncompliance is expected to continue; and
- (3) A description of the steps taken and/or being taken to reduce or eliminate the noncomplying discharge and to prevent its recurrence.

D. OTHER REPORTING AND NOTIFICATION REQUIREMENTS

1. Anticipated Noncompliance

The permittee shall give the Director written advance notice of any planned changes or other circumstances regarding a facility which may result in noncompliance with permit requirements.

2. Termination of Discharge

The permittee shall notify the Director, in writing, when all discharges from any point source(s) identified in Provision I. A. of this permit have permanently ceased. This notification shall serve as sufficient cause for instituting procedures for modification or termination of the permit.

3. Updating Information

- a. The permittee shall inform the Director of any change in the permittee's mailing address, telephone number or in the permittee's designation of a facility contact or office having the authority and responsibility to prevent and abate violations of the AWPCA, the Department's Rules, and the terms and conditions of this permit, in writing, no later than ten (10) days after such change. Upon request of the Director or his designee, the permittee shall furnish the Director with an update of any information provided in the permit application.
- b. If 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 with a written explanation for the mistake and/or omission.

4. Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable time, any information which the Director or his designee may request to determine whether cause exists for modifying, revoking and re-issuing, suspending, or terminating this permit, in whole or in part, or to determine compliance with this permit.

5. Cooling Water and Boiler Water Additives

- a. The permittee shall notify the Director in writing not later than thirty (30) days prior to instituting the use of any biocide corrosion inhibitor or chemical additive in a cooling or boiler system, not identified in the application for this permit, from which discharge is allowed by this permit. Notification is not required for additives that do not contain a heavy metal(s) as an active ingredient and that pass through a wastewater treatment system prior to discharge nor is notification required for additives that should not reasonably be expected to cause the cooling water or boiler water to exhibit toxicity as determined by analysis of manufacturer's data or testing by the permittee. Such notification shall include:
 - (1) name and general composition of biocide or chemical;
 - (2) 96-hour median tolerance limit data for organisms representative of the biota of the waterway into which the discharge will ultimately reach;
 - (3) quantities to be used;
 - (4) frequencies of use;
 - (5) proposed discharge concentrations; and
 - (6) EPA registration number, if applicable.
- b. The use of a biocide or additive containing tributyl tin, tributyl tin oxide, zinc, chromium or related compounds in cooling or boiler system(s), from which a discharge regulated by this permit occurs, is prohibited except as exempted below. The use of a biocide or additive containing zinc, chromium or related compounds may be used in special circumstances if (1) the permit contains limits for these substances, or (2) the applicant demonstrates during the application process that the use of zinc, chromium or related compounds as a biocide or additive will not pose a reasonable potential to violate the applicable State water quality standards for these substances. The use of any additive, not identified in this permit or in the

application for this permit or not exempted from notification under this permit is prohibited, prior to a determination by the Department that permit modification to control discharge of the additive is not required or prior to issuance of a permit modification controlling discharge of the additive.

6. Permit Issued Based on Estimated Characteristics

- a. If this permit was issued based on estimates of the characteristics of a process discharge reported on an EPA NPDES Application Form 2D (EPA Form 3510-2D), the permittee shall complete and submit an EPA NPDES Application Form 2C (EPA Form 3510-2C) no later than two years after the date that discharge begins. Sampling required for completion of the Form 2C shall occur when a discharge(s) from the process(s) causing the new or increased discharge is occurring. If this permit was issued based on estimates concerning the composition of a stormwater discharge(s), the permittee shall perform the sampling required by EPA NPDES Application Form 2F (EPA Form 3510-2F) no later than one year after the industrial activity generating the stormwater discharge has been fully initiated.
- b. This permit shall be reopened if required to address any new information resulting from the completion and submittal of the Form 2C and or 2F.

E. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the discharge limitations specified in Provision I. A. in accordance with the following schedule:

COMPLIANCE SHALL BE ATTAINED ON THE EFFECTIVE DATE OF THIS PERMIT

2. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

PART II: OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES

A. OPERATIONAL AND MANAGEMENT REQUIREMENTS

1. Facilities Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities only when necessary to achieve compliance with the conditions of the permit.

2. Best Management Practices

- a. Dilution water shall not be added to achieve compliance with discharge limitations except when the Director or his designee has granted prior written authorization for dilution to meet water quality requirements.
- b. The permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 C.F.R. Section 112 if required thereby.
- c. The permittee shall prepare, submit for approval and implement a Best Management Practices (BMP) Plan for containment of any or all process liquids or solids, in a manner such that these materials do not present a significant potential for discharge, if so required by the Director or his designee. When submitted and approved, the BMP Plan shall become a part of this permit and all requirements of the BMP Plan shall become requirements of this permit.

3. Spill Prevention, Control, and Management

The permittee shall provide spill prevention, control, and/or management sufficient to prevent any spills of pollutants from entering a water of the state or a publicly or privately owned treatment works. Any containment system used to implement this requirement shall be constructed of materials compatible with the substance(s) contained and which shall prevent the contamination of groundwater and such containment system shall be capable of retaining a volume equal to 110 percent of the capacity of the largest tank for which containment is provided.

B. OTHER RESPONSIBILITIES

1. Duty to Mitigate Adverse Impacts

The permittee shall promptly take all reasonable steps to mitigate and minimize or prevent any adverse impact on human health or the environment resulting from noncompliance with any discharge limitation specified in Provision I. A. of this permit, including such accelerated or additional monitoring of the discharge and/or the receiving waterbody as necessary to determine the nature and impact of the noncomplying discharge.

2. Right of Entry and Inspection

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

- a. enter upon the permittee's premises where a regulated facility or activity or point source is located or conducted, or where records must be kept under the conditions of the permit;
- b. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- c. inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under the permit; and
- d. sample or monitor, for the purposes of assuring permit compliance or as otherwise authorized by the AWPCA, any substances or parameters at any location.

C. BYPASS AND UPSET

1. Bypass

- a. Any bypass is prohibited except as provided in b. and c. below:
- b. A bypass is not prohibited if:

2. Removed Substances

Solids, sludges, filter backwash, or any other pollutant or other waste removed in the course of treatment or control of wastewaters shall be disposed of in a manner that complies with all applicable Department Rules.

3. Loss or Failure of Treatment Facilities

Upon the loss or failure of any treatment facilities, including but not limited to the loss or failure of the primary source of power of the treatment facility, the permittee shall, where necessary to maintain compliance with the discharge limitations specified in Provision I. A. of this permit, or any other terms or conditions of this permit, cease, reduce, or otherwise control production and/or all discharges until treatment is restored. If control of discharge during loss or failure of the primary source of power is to be accomplished by means of alternate power sources, standby generators, or retention of inadequately treated effluent, the permittee must furnish to the Director within six months a certification that such control mechanisms have been installed.

4. Compliance with Statutes and Rules

- a. This permit has been issued under ADEM Administrative Code, Chapter 335-6-6. All provisions of this chapter, that are applicable to this permit, are hereby made a part of this permit. A copy of this chapter may be obtained for a small charge from the Office of General Counsel, Alabama Department of Environmental Management, 1400 Coliseum Blvd., Montgomery, AL 36130.
- b. This permit does not authorize the noncompliance with or violation of any Laws of the State of Alabama or the United States of America or any regulations or rules implementing such laws. FWPCA, 33 U.S.C. Section 1319, and Code of Alabama 1975, Section 22-22-14.

E. PERMIT TRANSFER, MODIFICATION, SUSPENSION, REVOCATION, AND REISSUANCE

1. Duty to Reapply or Notify of Intent to Cease Discharge

- a. If the permittee intends to continue to discharge beyond the expiration date of this permit, the permittee shall file a complete permit application for reissuance of this permit at least 180 days prior to its expiration. If the permittee does not intend to continue discharge beyond the expiration of this permit, the permittee shall submit written notification of this intent which shall be signed by an individual meeting the signatory requirements for a permit application as set forth in ADEM Administrative Code Rule 335-6-6-.09.
- b. Failure of the permittee to apply for reissuance at least 180 days prior to permit expiration will void the automatic continuation of the expiring permit provided by ADEM Administrative Code Rule 335-6-6-.06 and should the permit not be reissued for any reason any discharge after expiration of this permit will be an unpermitted discharge.

2. Change in Discharge

- a. The permittee shall apply for a permit modification at least 180 days in advance of any facility expansion, production increase, process change, or other action that could result in the discharge of additional pollutants or increase the quantity of a discharged pollutant such that existing permit limitations would be exceeded or that could result in an additional discharge point. This requirement applies to pollutants that are or that are not subject to discharge limitations in this permit. No new or increased discharge may begin until the Director has authorized it by issuance of a permit modification or a reissued permit.
- b. The permittee shall notify the Director as soon as it is known or there is 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 this permit, if that discharge will exceed the highest of the following notification levels:
 - (i) one hundred micrograms per liter;
 - (ii) two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2,4-dinitrophenol and for 2-methyl-4,6-dini-trophenol; and one milligram per liter for antimony;
 - (iii) five times the maximum concentration value reported for that pollutant in the permit application; or
 - (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 following notification levels:

- (i) five hundred micrograms per liter;
- (ii) one milligram per liter for antimony;
- (iii) ten times the maximum concentration value reported for that pollutant in the permit application.

3. Transfer of Permit

This permit may not be transferred or the name of the permittee changed without notice to the Director and subsequent modification or revocation and reissuance of the permit to identify the new permittee and to incorporate any other changes as may be required under the FWPCA or AWPCA. In the case of a change in name, ownership or control of the permittee's premises only, a request for permit modification in a format acceptable to the Director is required at least 30 days prior to the change. In the case of a change in name, ownership or control of the permittee's premises accompanied by a change or proposed change in effluent characteristics, a complete permit application is required to be submitted to the Director at least 180 days prior to the change. Whenever the Director is notified of a change in name, ownership or control, he may decide not to modify the existing permit and require the submission of a new permit application.

4. Permit Modification and Revocation

- a. This permit may be modified or revoked and reissued, in whole or in part, during its term for cause, including but not limited to, the following:
 - (1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to revoke and reissue this permit instead of terminating the permit;
 - (2) If a request to transfer this permit has been received, the Director may decide to revoke and reissue or to modify the permit; or
 - (3) If modification or revocation and reissuance is requested by the permittee and cause exists, the Director may grant the request.
- b. This permit may be modified during its term for cause, including but not limited to, the following:
 - (1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to modify this permit instead of terminating this permit;
 - (2) There are material and substantial alterations or additions to the facility or activity generating wastewater which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit;
 - (3) The Director has received new information that was not available at the time of permit issuance and that would have justified the application of different permit conditions at the time of issuance;
 - (4) A new or revised requirement(s) of any applicable standard or limitation is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA;
 - (5) Errors in calculation of discharge limitations or typographical or clerical errors were made;
 - (6) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, when the standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the permit was issued;
 - (7) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, permits may be modified to change compliance schedules;
 - (8) To agree with a granted variance under 301(c), 301(g), 301(h), 301(k), or 316(a) of the FWPCA or for fundamentally different factors;
 - (9) To incorporate an applicable 307(a) FWPCA toxic effluent standard or prohibition;
 - (10) When required by the reopener conditions in this permit;
 - (11) When required under 40 CFR 403.8(e) (compliance schedule for development of pretreatment program);

- (12) Upon failure of the state to notify, as required by Section 402(b)(3) of the FWPCA, another state whose waters may be affected by a discharge permitted by this permit;
- (13) When required to correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions; or
- (14) When requested by the permittee and the Director determines that the modification has cause and will not result in a violation of federal or state law, regulations or rules.

5. Permit Termination

This permit may be terminated during its term for cause, including but not limited to, the following:

- a. Violation of any term or condition of this permit;
- b. The permittee's misrepresentation or failure to disclose fully all relevant facts in the permit application or during the permit issuance process or the permittee's misrepresentation of any relevant facts at any time;
- c. Materially false or inaccurate statements or information in the permit application or the permit;
- d. A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge;
- e. The permittee's discharge threatens human life or welfare or the maintenance of water quality standards;
- f. Permanent closure of the facility generating the wastewater permitted to be discharged by this permit or permanent cessation of wastewater discharge;
- g. New or revised requirements of any applicable standard or limitation that is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA that the Director determines cannot be complied with by the permittee; or
- h. Any other cause allowed by the ADEM Administrative Code, Chapter 335-6-6.

6. Permit Suspension

This permit may be suspended during its term for noncompliance until the permittee has taken action(s) necessary to achieve compliance.

7. Request for Permit Action Does Not Stay Any Permit Requirement

The filing of a request by the permittee for modification, suspension or revocation of this permit, in whole or in part, does not stay any permit term or condition.

F. COMPLIANCE WITH TOXIC POLLUTANT STANDARD OR PROHIBITION

If any applicable effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a), for a toxic pollutant discharged by the permittee and such standard or prohibition is more stringent than any discharge limitation on the pollutant specified in Provision I. A. of this permit, or controls a pollutant not limited in Provision I. A. of this permit, this permit shall be modified to conform to the toxic pollutant effluent standard or prohibition and the permittee shall be notified of such modification. If this permit has not been modified to conform to the toxic pollutant effluent standard or prohibition before the effective date of such standard or prohibition, the permittee shall attain compliance with the requirements of the standard or prohibition within the time period required by the standard or prohibition and shall continue to comply with the standard or prohibition until this permit is modified or reissued.

G. DISCHARGE OF WASTEWATER GENERATED BY OTHERS

The discharge of wastewater, generated by any process, facility, or by any other means not under the operational control of the permittee or not identified in the application for this permit or not identified specifically in the description of an outfall in this permit is not authorized by this permit.

PART III: OTHER PERMIT CONDITIONS

A. CIVIL AND CRIMINAL LIABILITY

1. Tampering

Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained or performed under the permit shall, upon conviction, be subject to penalties as provided by the AWPCA.

2. False Statements

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 subject to penalties as provided by the AWPCA.

3. Permit Enforcement

- a. Any NPDES permit issued or reissued by the Department is a permit for the purpose of the AWPCA and the FWPCA and as such any terms, conditions, or limitations of the permit are enforceable under state and federal law.
- b. Any person required to have a NPDES permit pursuant to ADEM Administrative Code Chapter 335-6-6 and who discharges pollutants without said permit, who violates the conditions of said permit, who discharges pollutants in a manner not authorized by the permit, or who violates applicable orders of the Department or any applicable rule or standard of the Department, is subject to any one or combination of the following enforcement actions under applicable state statutes.
 - (1) An administrative order requiring abatement, compliance, mitigation, cessation, clean-up, and/or penalties;
 - (2) An action for damages;
 - (3) An action for injunctive relief; or
 - (4) An action for penalties.
- c. If the permittee is not in compliance with the conditions of an expiring or expired permit the Director may choose to do any or all of the following provided the permittee has made a timely and complete application for reissuance of the permit:
 - (1) initiate enforcement action based upon the permit which has been continued;
 - (2) issue a notice of intent to deny the permit reissuance. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;
 - (3) reissue the new permit with appropriate conditions; or
 - (4) take other actions authorized by these rules and AWPCA.

4. Relief from Liability

Except as provided in Provision II.C.1 (Bypass) and Provision II.C.2 (Upset), nothing in this permit shall be construed to relieve the permittee of civil or criminal liability under the AWPCA or FWPCA for noncompliance with any term or condition of this permit.

B. 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 FWPCA, 33 U.S.C. Section 1321.

C. PROPERTY AND OTHER RIGHTS

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 persons or property or invasion of other private rights, trespass, or any infringement of federal, state, or local laws or regulations, nor does it authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any waters of the state or of the United States.

D. AVAILABILITY OF REPORTS

Except for data determined to be confidential under Code of Alabama 1975, Section 22-22-9(c), all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department. Effluent data shall not be considered confidential.

E. EXPIRATION OF PERMITS FOR NEW OR INCREASED DISCHARGES

1. If this permit was issued for a new discharger or new source, this permit shall expire eighteen months after the issuance date if construction of the facility has not begun during the eighteen-month period.
2. If this permit was issued or modified to allow the discharge of increased quantities of pollutants to accommodate the modification of an existing facility and if construction of this modification has not begun during the eighteen month period after issuance of this permit or permit modification, this permit shall be modified to reduce the quantities of pollutants allowed to be discharged to those levels that would have been allowed if the modification of the facility had not been planned.
3. Construction has begun when the owner or operator has:
 - a. begun, or caused to begin as part of a continuous on-site construction program:
 - (1) any placement, assembly, or installation of facilities or equipment; or
 - (2) significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or
 - b. entered into a binding contractual obligation for the purpose of placement, assembly, or installation of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under the paragraph. The entering into a lease with the State of Alabama for exploration and production of hydrocarbons shall also be considered beginning construction.

F. COMPLIANCE WITH WATER QUALITY STANDARDS

1. On the basis of the permittee's application, plans, or other available information, the Department has determined that compliance with the terms and conditions of this permit should assure compliance with the applicable water quality standards.
2. Compliance with permit terms and conditions notwithstanding, if the permittee's discharge(s) from point sources identified in Provision I. A. of this permit cause or contribute to a condition in contravention of state water quality standards, the Department may require abatement action to be taken by the permittee in emergency situations or modify the permit pursuant to the Department's Rules, or both.
3. If the Department determines, on the basis of a notice provided pursuant to this permit or any investigation, inspection or sampling, that a modification of this permit is necessary to assure maintenance of water quality standards or compliance with other provisions of the AWPCA or FWPCA, the Department may require such modification and, in cases of emergency, the Director may prohibit the discharge until the permit has been modified.

G. GROUNDWATER

Unless specifically authorized under this permit, this permit does not authorize the discharge of pollutants to groundwater. Should a threat of groundwater contamination occur, the Director may require groundwater monitoring to properly assess the degree of the problem and the Director may require that the Permittee undertake measures to abate any such discharge and/or contamination.

H. DEFINITIONS

1. 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 (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).
2. 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 (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).

3. Arithmetic Mean – means the summation of the individual values of any set of values divided by the number of individual values.
4. AWPCA - means the Alabama Water Pollution Control Act.
5. BOD – means the five-day measure of the pollutant parameter biochemical oxygen demand.
6. Bypass - means the intentional diversion of waste streams from any portion of a treatment facility.
7. CBOD – means the five-day measure of the pollutant parameter carbonaceous biochemical oxygen demand.
8. Daily discharge - means the discharge of a pollutant measured during any consecutive 24-hour period in accordance with the sample type and analytical methodology specified by the discharge permit.
9. Daily maximum - means the highest value of any individual sample result obtained during a day.
10. Daily minimum - means the lowest value of any individual sample result obtained during a day.
11. Day - means any consecutive 24-hour period.
12. Department - means the Alabama Department of Environmental Management.
13. Director - means the Director of the Department.
14. Discharge - means "[t]he addition, introduction, leaking, spilling or emitting of any sewage, industrial waste, pollutant or other wastes into waters of the state". Code of Alabama 1975, Section 22-22-1(b)(8).
15. Discharge Monitoring Report (DMR) - means the form approved by the Director to accomplish reporting requirements of an NPDES permit.
16. DO – means dissolved oxygen.
17. 8HC – means 8-hour composite sample, including any of the following:
 - a. The mixing of at least 5 equal volume samples collected at constant time intervals of not more than 2 hours over a period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.
 - b. A sample continuously collected at a constant rate over period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.
18. EPA - means the United States Environmental Protection Agency.
19. FC – means the pollutant parameter fecal coliform.
20. Flow – means the total volume of discharge in a 24-hour period.
21. FWPCA - means the Federal Water Pollution Control Act.
22. Geometric Mean – means the Nth root of the product of the individual values of any set of values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered one (1).
23. Grab Sample – means a single influent or effluent portion which is not a composite sample. The sample(s) shall be collected at the period(s) most representative of the discharge.
24. Indirect Discharger – means a nondomestic discharger who discharges pollutants to a publicly owned treatment works or a privately owned treatment facility operated by another person.
25. Industrial User – means those industries identified in the Standard Industrial Classification manual, Bureau of the Budget 1967, as amended and supplemented, under the category “Division D – Manufacturing” and such other classes of significant waste producers as, by regulation, the Director deems appropriate.
26. MGD – means million gallons per day.

27. Monthly Average – means, other than for fecal coliform bacteria, the arithmetic mean of the entire composite or grab samples taken for the daily discharges collected in one month period. The monthly average for fecal coliform bacteria is the geometric mean of daily discharge samples collected in a one month period. The monthly average for flow is the arithmetic mean of all flow measurements taken in a one month period.
28. New Discharger – means a person, owning or operating any building, structure, facility or installation:
 - a. from which there is or may be a discharge of pollutants;
 - b. that did not commence the discharge of pollutants prior to August 13, 1979, and which is not a new source; and
 - c. which has never received a final effective NPDES permit for dischargers at that site.
29. NH3-N – means the pollutant parameter ammonia, measured as nitrogen.
30. Permit application - means forms and additional information that is required by ADEM Administrative Code Rule 335-6-6-.08 and applicable permit fees.
31. Point source - means "any discernible, confined and discrete conveyance, including but not limited to any pipe, channel, ditch, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, or vessel or other floating craft, . . . from which pollutants are or may be discharged." Section 502(14) of the FWPCA, 33 U.S.C. Section 1362(14).
32. Pollutant - includes for purposes of this permit, but is not limited to, those pollutants specified in Code of Alabama 1975, Section 22-22-1(b)(3) and those effluent characteristics specified in Provision I. A. of this permit.
33. Privately Owned Treatment Works – means any devices or system which is used to treat wastes from any facility whose operator is not the operator of the treatment works, and which is not a "POTW".
34. Publicly Owned Treatment Works – means a wastewater collection and treatment facility owned by the State, municipality, regional entity composed of two or more municipalities, or another entity created by the State or local authority for the purpose of collecting and treating municipal wastewater.
35. Receiving Stream – means the "waters" receiving a "discharge" from a "point source".
36. Severe property damage - means substantial physical damage to property, damage to the treatment facilities which causes 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.
37. Significant Source – means a source which discharges 0.025 MGD or more to a POTW or greater than five percent of the treatment work's capacity, or a source which is a primary industry as defined by the U.S. EPA or which discharges a priority or toxic pollutant.
38. Solvent – means any virgin, used or spent organic solvent(s) identified in the F-Listed wastes (F001 through F005) specified in 40 CFR 261.31 that is used for the purpose of solubilizing other materials.
39. TKN – means the pollutant parameter Total Kjeldahl Nitrogen.
40. TON – means the pollutant parameter Total Organic Nitrogen.
41. TRC – means Total Residual Chlorine.
42. TSS – means the pollutant parameter Total Suspended Solids.
43. 24HC – means 24-hour composite sample, including any of the following:
 - a. the mixing of at least 12 equal volume samples collected at constant time intervals of not more than 2 hours over a period of 24 hours;
 - b. a sample collected over a consecutive 24-hour period using an automatic sampler composite to one sample. As a minimum, samples shall be collected hourly and each shall be no more than one twenty-fourth (1/24) of the total sample volume collected; or
 - c. a sample collected over a consecutive 24-hour period using an automatic composite sampler composited proportional to flow.

44. Upset - means an exceptional incident in which there is an unintentional and temporary noncompliance with technology-based permit discharge 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.
45. Waters - means "[a]ll waters of any river, stream, watercourse, pond, lake, coastal, ground or surface water, wholly or partially within the state, natural or artificial. This does not include waters which are entirely confined and retained completely upon the property of a single individual, partnership or corporation unless such waters are used in interstate commerce." Code of Alabama 1975, Section 22-22-1(b)(2). Waters "include all navigable waters" as defined in Section 502(7) of the FWPCA, 22 U.S.C. Section 1362(7), which are within the State of Alabama.
46. Week - means the period beginning at twelve midnight Saturday and ending at twelve midnight the following Saturday.
47. Weekly (7-day and calendar week) Average – is the arithmetic mean of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The calendar week is defined as beginning on Sunday and ending on Saturday. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for the calendar week shall be included in the data for the month that contains the Saturday.

I. 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.

PART IV: ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS**A. BEST MANAGEMENT PRACTICES (BMP) PLAN REQUIREMENTS****1. BMP Plan**

The permittee shall develop and implement a Best Management Practices (BMP) Plan which prevents, or minimizes the potential for, the release of pollutants from ancillary activities, including material storage areas; plant site runoff; in-plant transfer, process and material handling areas; loading and unloading operations, and sludge and waste disposal areas, to the waters of the State through plant site runoff; spillage or leaks; sludge or waste disposal; or drainage from raw material storage.

2. Plan Content

The permittee shall prepare and implement a best management practices (BMP) plan, which shall:

- a. Establish specific objectives for the control of pollutants:
 - (1) Each facility component or system shall be examined for its potential for causing a release of significant amounts of pollutants to waters of the State due to equipment failure, improper operation, natural phenomena such as rain or snowfall, etc.
 - (2) Where experience indicates a reasonable potential for equipment failure (e.g., a tank overflow or leakage), natural condition (e.g. precipitation), or circumstances to result in significant amounts of pollutants reaching surface waters, the plan should include a prediction of the direction, rate of flow, and total quantity of pollutants which could be discharged from the facility as a result of each condition or circumstance.
- b. Establish specific best management practices to meet the objectives identified under paragraph a. of this section, addressing each component or system capable of causing a release of significant amounts of pollutants to the waters of the State, and identifying specific preventative or remedial measures to be implemented;
- c. Establish a program to identify and repair leaking equipment items and damaged containment structures, which may contribute to contaminated stormwater runoff. This program must include regular visual inspections of equipment, containment structures and of the facility in general to ensure that the BMP is continually implemented and effective;
- d. Prevent the spillage or loss of fluids, oil, grease, gasoline, etc. from vehicle and equipment maintenance activities and thereby prevent the contamination of stormwater from these substances;
- e. Prevent or minimize stormwater contact with material stored on site;
- f. Designate by position or name the person or persons responsible for the day to day implementation of the BMP;
- g. Provide for routine inspections, on days during which the facility is manned, of any structures that function to prevent stormwater pollution or to remove pollutants from stormwater and of the facility in general. Routine inspections should be done at a frequency to ensure that the BMP is continually implemented and effective and in no case less frequent than once per year;
- h. Provide for the use and disposal of any material used to absorb spilled fluids that could contaminate stormwater;
- i. Develop a solvent management plan, if solvents are used on site. The solvent management plan shall include as a minimum lists of the solvents on site; the disposal method of solvents used instead of dumping, such as reclamation, contract hauling; and the procedures for assuring that solvents do not routinely spill or leak into the stormwater;
- j. Provide for the disposal of all used oils, hydraulic fluids, firefighting foams, solvent degreasing material, etc. in accordance with good management practices and any applicable state or federal regulations;
- k. Include a diagram of the facility showing the locations where stormwater exits the facility, the locations of any structure or other mechanisms intended to prevent pollution of stormwater or to remove pollutants from stormwater, the locations of any collection and handling systems;
- l. Provide control sufficient to prevent or control pollution of stormwater by soil particles to the degree required to maintain compliance with the water quality standard for turbidity applicable to the waterbody(s) receiving discharge(s) under this permit;
- m. Provide spill prevention, control, and/or management sufficient to prevent or minimize contaminated stormwater runoff. Any containment system used to implement this requirement shall be constructed of materials compatible with the

substance(s) contained and shall prevent the contamination of groundwater. The containment system shall also be capable of retaining a volume equal to 110 percent of the capacity of the largest tank for which containment is provided;

- n. Provide and maintain curbing, diking or other means of isolating process areas to the extent necessary to allow segregation and collection for treatment of contaminated stormwater from process areas;
- o. Be reviewed by plant engineering staff and the plant manager; and
- p. Bear the signature of the plant manager.

3. Compliance Schedule

The permittee shall have reviewed (and revised if necessary) and fully implemented the BMP plan as soon as practicable but no later than six months after the effective date of this permit.

4. Department Review

- a. When requested by the Director or his designee, the permittee shall make the BMP available for Department review.
- b. The Director or his designee may notify the permittee at any time that the BMP is deficient and require correction of the deficiency.
- c. The permittee shall correct any BMP deficiency identified by the Director or his designee within 30 days of receipt of notification and shall certify to the Department that the correction has been made and implemented.

5. Administrative Procedures

- a. A copy of the BMP shall be maintained at the facility and shall be available for inspection by representatives of the Department.
- b. A log of the routine inspection required above shall be maintained at the facility and shall be available for inspection by representatives of the Department. The log shall contain records of all inspections performed for the last three years and each entry shall be signed by the person performing the inspection.
- c. The permittee shall provide training for any personnel required to implement the BMP and shall retain documentation of such training at the facility. This documentation shall be available for inspection by representatives of the Department. Training shall be performed prior to the date that implementation of the BMP is required.
- d. BMP Plan Modification. The permittee shall amend the BMP plan whenever there is a change in the facility or change in operation of the facility which materially increases the potential for the ancillary activities to result in a discharge of significant amounts of pollutants.
- e. BMP Plan Review. The permittee shall complete a review and evaluation of the BMP plan at least once every three years from the date of preparation of the BMP plan. Documentation of the BMP Plan review and evaluation shall be signed and dated by the Plant Manager.

B. STORMWATER FLOW MEASUREMENT AND SAMPLING REQUIREMENTS

1. Stormwater Flow Measurement

- a. All stormwater samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches, during daylight hours only.
- b. The total volume of stormwater discharged for the event must be monitored, including the date and duration (in hours) and rainfall (in inches) for storm event(s) sampled. The duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event must be a minimum of 72 hours. This information must be recorded as part of the sampling procedure and records retained according to Part I.B. of this permit.
- c. The volume may be measured using flow measuring devices, or estimated based on a modification of the Rational Method using total depth of rainfall, the size of the drainage area serving a stormwater outfall, and an estimate of the runoff coefficient of the drainage area. This information must be recorded as part of the sampling procedure and records retained according to Part I.B. of this permit.

2. Stormwater Sampling

- a. A grab sample, if required by this permit, shall be taken during the first thirty minutes of the discharge (or as soon thereafter as practicable); and a flow-weighted composite sample, if required by this permit, shall be taken for the entire event or for the first three hours of the event.
- b. All test procedures will be in accordance with part I.B. of this permit.

C. ALLOWABLE NON-STORM WATER DISCHARGES

This permit authorizes non-stormwater discharges provided the non-stormwater component of the discharge is in compliance with Part III.D of ADEM's construction storm water permit.

The Permittee must design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, such measures must be designed, installed, implemented and maintained to:

1. Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, concrete washout, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;
 - (a) Liquid waste shall not be directly discharged into storm sewers.
 - (b) Washout and cleanout activities should be located as far away as possible from surface waters, natural buffer areas, stormwater inlets, and conveyances.
2. Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater;
3. Minimize the discharge of pollutants from any spills and leaks from, including but not limited to vehicles; mechanical equipment; chemical storage; and refueling activities; and
4. Use of polymers, flocculants, or other treatment chemicals at the site may only be applied where treated stormwater is directed to a sediment control prior to discharge.

D. SEEP IDENTIFICATION AND CORRECTIVE ACTION FOR CLOSED COMBUSTION RESIDUAL (CCR) DISPOSAL AREAS

The Permittee shall develop and maintain on-site a CCR Seep Identification and Corrective Action Plan to include quarterly inspections. If a seep is identified during an inspection, the Permittee must initiate corrective action as soon as feasible. A log of the inspections shall be maintained at the facility and shall be available for inspection by the Department. The log shall contain records of all inspections performed for the last three years and each entry shall be signed by the person performing the inspection.

ADEM PERMIT RATIONALE

PREPARED DATE: February 2, 2026
PREPARED BY: Rachel Lounsberry
PREPARED BY: Muhammad Mehmood
REVISED DATE: April 16, 2026
REVISED BY: Muhammad Mehmood

Permittee Name: Tennessee Valley Authority

Facility Name: Widows Creek Facility

Permit Number: AL0003875

PERMIT IS REISSUANCE DUE TO EXPIRATION

DISCHARGE SERIAL NUMBERS (DSN) & DESCRIPTIONS:

DSN001: Storm water runoff from the closed Ash Pond area.

DSN005: Storm water runoff from the closed Ash Pond area, restored limestone staging area, restored equipment staging area, and removed constructed wetlands.

DSN006: Storm water from general site runoff and the removed constructed wetlands, and inactive ash disposal area seepage.

DSN007: Discharge from the Process Water Pond to include stormwater runoff and CCR leachate.

DSN008: Storm water from the closed Ash Pond Dredge Cell.

DSN013: Storm water from the closed C & D Landfill including flows from DSN013A, DSN013B, DSN013C, and DSN013D (from the closed Gypsum Stack).

DSN021: Storm water from the closed Ash Pond Dredge Cell.

DSN023: Storm water from the closed Ash Pond Dredge Cell.

DSN024: Storm water from the closed Ash Pond Dredge Cell.

DSN025: Storm water runoff from the closed Ash Pond area.

DSN026: Storm water runoff from the closed Ash Pond area.

DSN027: Storm water runoff from the closed Ash Pond area.

DSN028: Storm water runoff from the closed Ash Pond area.

DSN029: Storm water from the closed Gypsum Stack footprint.

DSN030: Storm water from the closed Gypsum Stack footprint.

DSN031: Storm water from the closed Gypsum Stack footprint.

DSN032: Storm water from the closed Gypsum Stack footprint.

DSN033: Storm water from the closed Gypsum Stack footprint.

DSN034: Storm water from the former Plant footprint

DSN035: Storm water from the former Plant footprint

DSN036: Storm water from the former Plant footprint

DSN037: Storm water from the former Plant footprint

INDUSTRIAL CATEGORY: NON-CATEGORICAL

MAJOR: No

STREAM INFORMATION:

Receiving Stream: Tennessee River (DSN001, DSN005-DSN006, DSN021, and DSN034-DSN037)
Classification: PWS, S, F&W
River Basin: Tennessee
7Q10: 6648.13 cfs
7Q2: 9651 cfs
1Q10: 2383.66 cfs
Annual Average Flow: 37874.03 cfs
303(d) List: YES
Impairment: Metals (Mercury)
TMDL: NO

Receiving Stream: Widows Creek (DSN007-DSN008, DSN013, and DSN023-DSN029)
Classification: S, F&W
River Basin: Tennessee River
7Q10: 0.88 cfs
7Q2: 1.89 cfs
1Q10: 0.75 cfs
Annual Average Flow: 94.85 cfs
303(d) List: YES
Impairment: Metals (Mercury)
TMDL: NO

Receiving Stream: Horn Branch (DSN030-DSN033)
Classification: F&W
River Basin: Tennessee
7Q10: 0.0 cfs
7Q2: 0.0 cfs
1Q10: 0.0 cfs
Annual Average Flow: 4.20 cfs
303(d) List: NO
Impairment: N/A
TMDL: NO

DISCUSSION:

The Tennessee Valley Authority (TVA) Widows Creek Facility is a retired fossil fuel power plant. Electricity is no longer produced at the site.

The facility requested Outfall DSN004 be removed from the permit. The Outfall no longer exists.

ADEM Administrative Rule 335-6-10-.12 requires applicants to new or expanded discharges to Tier II waters demonstrate that the proposed discharge is necessary for important economic or social development in the area in which the waters are located. The application submitted by the facility is not for a new or expanded discharge. Therefore, the applicant is not required to demonstrate that the discharge is necessary for economic and social development.

EPA has not promulgated specific guidelines for the discharges covered under the proposed permit. Proposed permit limits are based on Best Professional Judgment. The proposed frequencies are based on a review of site specific conditions and an evaluation of similar facilities.

DSN001S, DSN025S, DSN026S, DSN027S, and DSN028S: Storm water runoff from the closed Ash Pond area

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
				(Report) Minimum Daily		(Report) Maximum Daily					
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Arsenic, Total (As As) (01002) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Cadmium, Total (As Cd) (01027) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Chromium, Total (As Cr) (01034) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Copper, Total (As Cu) (01042) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Lead, Total (As Pb) (01051) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nickel, Total (As Ni) (01067) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Antimony, Total (As Sb) (01097) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Selenium, Total (As Se) (01147) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months	BPJ
Mercury, Total (As Hg) (71900) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	ug/l	Semi-Annually	Grab	All Months	BPJ
Iron, Total (As Fe) (74010) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ

DSN005S: Storm water runoff from the closed Ash Pond area, restored limestone staging area, restored equipment staging area, and removed constructed wetlands

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
				(Report) Minimum Daily		(Report) Maximum Daily					
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Arsenic, Total (As As) (01002) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Cadmium, Total (As Cd) (01027) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Chromium, Total (As Cr) (01034) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Copper, Total (As Cu) (01042) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Lead, Total (As Pb) (01051) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nickel, Total (As Ni) (01067) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Antimony, Total (As Sb) (01097) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Selenium, Total (As Se) (01147) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months	BPJ
Mercury, Total (As Hg) (71900) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	ug/l	Semi-Annually	Grab	All Months	BPJ
Iron, Total (As Fe) (74010) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ

DSN006S: Storm water from general site runoff and the removed constructed wetlands, and inactive ash disposal area seepage

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
				(Report) Minimum Daily		(Report) Maximum Daily					
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Arsenic, Total (As As) (01002) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Cadmium, Total (As Cd) (01027) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Chromium, Total (As Cr) (01034) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Copper, Total (As Cu) (01042) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Lead, Total (As Pb) (01051) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nickel, Total (As Ni) (01067) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Antimony, Total (As Sb) (01097) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Selenium, Total (As Se) (01147) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months	BPJ
Mercury, Total (As Hg) (71900) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	ug/l	Semi-Annually	Grab	All Months	BPJ
Iron, Total (As Fe) (74010) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ

DSN0071: Discharge from the Process Water Pond to include stormwater runoff and CCR leachate.

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
pH (00400) Effluent Gross Value	****	****	****	6.0 Minimum Daily	****	8.5 Maximum Daily	S.U.	Monthly	Grab	All Months	WQBEL
Solids, Total Suspended (00530) Effluent Gross Value	****	****	****	****	22.0 Monthly Average	77.0 Maximum Daily	mg/l	Monthly	Grab	All Months	EGL/BPJ
Oil & Grease (00556) Effluent Gross Value	****	****	****	****	9.0 Monthly Average	12.0 Maximum Daily	mg/l	Monthly	Grab	All Months	EGL/BPJ
Nitrogen, Total (As N) (00600) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months	BPJ
Phosphorus, Total (As P) (00665) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months	BPJ
Arsenic, Total (As As) (01002) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months	BPJ
Cadmium, Total (As Cd) (01027) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months	BPJ
Chromium, Total (As Cr) (01034) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months	BPJ
Copper, Total (As Cu) (01042) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months	BPJ
Lead, Total (As Pb) (01051) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months	BPJ
Nickel, Total (As Ni) (01067) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months	BPJ
Zinc, Total (As Zn) (01092) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months	BPJ
Antimony, Total (As Sb) (01097) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months	BPJ
Selenium, Total (As Se) (01147) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months	BPJ
Nitrogen, Ammonia, Total (As NH3) (34726) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	****	****	****	****	Monthly	Instantaneous	All Months	BPJ
Mercury, Total (As Hg) (71900) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	ug/l	Monthly	Grab	All Months	WQBEL
Iron, Total (As Fe) (74010) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Monthly	Grab	All Months	BPJ

DSN008S, DSN021S, DSN023S, and DSN024S: Stormwater from the closed Ash Pond Dredge Cell.

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
				(Report) Minimum Daily		(Report) Maximum Daily					
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Arsenic, Total (As As) (01002) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Cadmium, Total (As Cd) (01027) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Chromium, Total (As Cr) (01034) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Copper, Total (As Cu) (01042) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Lead, Total (As Pb) (01051) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nickel, Total (As Ni) (01067) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Zinc, Total (As Zn) (01092) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Antimony, Total (As Sb) (01097) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Selenium, Total (As Se) (01147) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months	BPJ
Mercury, Total (As Hg) (71900) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	ug/l	Semi-Annually	Grab	All Months	BPJ
Iron, Total (As Fe) (74010) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ

DSN013S: Storm water from the closed C & D Landfill including flows from DSN013A, DSN013B, DSN013C, and DSN013D (from the closed Gypsum Stack).

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
	****	****		(Report) Minimum Daily	****	****					
pH (00400) Effluent Gross Value	****	****	****	(Report) Minimum Daily	****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	****	****	****	****	****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Arsenic, Total (As As) (01002) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Cadmium, Total (As Cd) (01027) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Chromium, Total (As Cr) (01034) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Copper, Total (As Cu) (01042) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Lead, Total (As Pb) (01051) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nickel, Total (As Ni) (01067) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Zinc, Total (As Zn) (01092) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Antimony, Total (As Sb) (01097) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Selenium, Total (As Se) (01147) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	****	(Report) Maximum Daily	MGD	****	****	****	****	Semi-Annually	Estimate	All Months	BPJ
Mercury, Total (As Hg) (71900) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	ug/l	Semi-Annually	Grab	All Months	BPJ
Iron, Total (As Fe) (74010) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ

DSN029S, DSN030S, DSN031S, DSN032S, and DSN033S: Storm water from the closed Gypsum Stack footprint.

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
				(Report) Minimum Daily		(Report) Maximum Daily					
pH (00400) Effluent Gross Value	****	****	****	(Report) Minimum Daily	****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	****	****	****	****	****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Arsenic, Total (As As) (01002) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Beryllium, Total (As Be) (01012) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Cadmium, Total (As Cd) (01027) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Chromium, Total (As Cr) (01034) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Copper, Total (As Cu) (01042) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Lead, Total (As Pb) (01051) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nickel, Total (As Ni) (01067) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Antimony, Total (As Sb) (01097) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Selenium, Total (As Se) (01147) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	****	(Report) Maximum Daily	MGD	****	****	****	****	Semi-Annually	Estimate	All Months	BPJ
Mercury, Total (As Hg) (71900) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	ug/l	Semi-Annually	Grab	All Months	BPJ
Iron, Total (As Fe) (74010) Effluent Gross Value	****	****	****	****	****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ

DSN034S-DSN037S: Stormwater runoff from former Plant footprint

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
				(Report) Minimum Daily		(Report) Maximum Daily					
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nitrogen, Ammonia Total (As N) (00610) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nitrogen, Kjeldahl Total (As N) (00625) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nitrite Plus Nitrate Total 1 Det. (As N) (00630) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Phosphorus, Total (As P) (00665) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Arsenic, Total (As As) (01002) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	MGD	Semi-Annually	Estimate	All Months	BPJ
Chemical Oxygen Demand (COD) (81017) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ

***Basis for Permit Limitation**

- BPJ – Best Professional Judgment
- WQBEL – Water Quality Based Effluent Limits
- EGL – Federal Effluent Guideline Limitations
- 303(d) – 303(d) List of Impaired Waters
- TMDL – Total Maximum Daily Load Requirements

Discussion

DSN001S, DSN025S, DSN026S, DSN027S, and DSN028S: Storm water runoff from the closed Ash Pond area

Best Professional Judgment (BPJ)

The parameters of concern for these outfalls are based on the parameters of concern listed in EPA Form 2F, and the current permit. These parameters are consistent with similar facilities in the state and have been proven to be reflective of the operations at this facility. Per the facility's request, representative sampling shall occur at DSN001S. The parameters with specific limits are discussed below:

Oil & Grease

The daily maximum limit for Oil and Grease should prevent the occurrence of a visible sheen in the stream and has been shown to be achievable through the use of proper BMPs.

DSN005S: Storm water runoff from the closed Ash Pond area, restored limestone staging area, restored equipment staging area, and removed constructed wetlands

Best Professional Judgment (BPJ)

The parameters of concern for these outfalls are based on the parameters of concern listed in EPA Form 2F, and the current permit. These parameters are consistent with similar facilities in the state and have been proven to be reflective of the operations at this facility. The parameters with specific limits are discussed below:

Oil & Grease

The daily maximum limit for Oil and Grease should prevent the occurrence of a visible sheen in the stream and has been shown to be achievable through the use of proper BMPs.

DSN006S: Storm water from general site runoff and the removed constructed wetlands, and inactive ash disposal area seepage

Best Professional Judgment (BPJ)

The parameters of concern for these outfalls are based on the parameters of concern listed in EPA Form 2F, and the current permit. These parameters are consistent with similar facilities in the state and have been proven to be reflective of the operations at this facility. The parameters with specific limits are discussed below:

Oil & Grease

The daily maximum limit for Oil and Grease should prevent the occurrence of a visible sheen in the stream and has been shown to be achievable through the use of proper BMPs.

DSN0071: Discharge from the Process Water Pond to include storm water runoff, sump flows from the former fossil plant powerhouse facilities, and CCR leachate

pH

ADEM Administrative Code, Division 6 Regulations, specifically 335-6-10-.09(3)(c)2. – Specific Water Quality for Swimming and Other Whole Body Water-Contact Sports classified streams classified streams states: "Sewage, industrial waste or other wastes shall not cause the pH to deviate more than one unit from then normal or natural pH, nor be less than 6.0, nor greater than 8.5 standard units."

Total Suspended Solids (TSS)

40 CFR 423.12(b)(3) (low volume wastes) limits TSS to 100 mg/l as a daily max and 30 mg/l as monthly average. 40 CFR 423.12(b)(9) (coal pile runoff) limits TSS to 50 mg/l as a daily max. The facility is no longer subject to categorical limitations, but still has waste discharged from the process pond. The current permit limits TSS to 70 mg/l as a daily max and 22 mg/l as a monthly average. These limits were based on a mass balance calculation using a lower effluent flow than what is listed in the permittee's application.

Therefore, the existing limits will remain since the facility has demonstrated compliance with the existing limits to avoid backsliding.

Oil & Grease

40 CFR 423.12(b)(3) (low volume wastes) limits oil and grease to 20 mg/l as a daily max and 15 mg/l as monthly average. The current permit limits oil and grease to 12 mg/l as a daily max and 9 mg/l as a monthly average. These limits were based on a mass balance calculation using a lower effluent flow than what is listed in the permittee's application. Therefore, the existing limits will remain since the facility has demonstrated compliance with the existing limits to avoid backsliding.

Best Professional Judgment (BPJ)

The remaining parameters of concern for this outfall are based on the parameters of concern listed in EPA Form 2C and the current permit. These parameters are consistent with similar facilities in the state and have been proven to be reflective of the operations at this facility. The remaining parameters included in the monitoring requirements for this outfall will be report-only with a monitoring frequency of once per month.

Water Quality Based Effluent Limits (WOBEL)

Numeric Reasonable Potential Analysis (RPA)

The Department completed a numeric RPA of the discharge based on laboratory data provided in the Permittee's application. The RPA indicates whether pollutants in treated effluent have the potential to contribute to excursions of Alabama's in-stream water quality standards. Based on the analytical data available to the Department, no pollutants show a reasonable potential to cause an in-stream water quality exceedance.

DSN008S, DSN021S, DSN023S, and DSN024S: Storm water from the closed Ash Pond Dredge Cell

Best Professional Judgment (BPJ)

The parameters of concern for these outfalls are based on the parameters of concern listed in EPA Form 2F, the current permit, and the representative sampling taken at DSN010 at the TVA Colbert Fossil Plant. These parameters are consistent with similar facilities in the state and have been proven to be reflective of the operations at this facility. Per the facility's request, representative sampling shall occur at DSN023S. The parameters with specific limits are discussed below:

Oil & Grease

The daily maximum limit for Oil and Grease should prevent the occurrence of a visible sheen in the stream and has been shown to be achievable through the use of proper BMPs.

DSN0131: Storm water from the closed C & D Landfill including flows from DSN013A, DSN013B, DSN013C, and DSN013D (from the closed Gypsum Stack)

Monitoring will not be required at DSN013A, DSN013B, DSN013C, and DSN013D because all parameters of concern are being monitored at DSN0131. Monitoring for this outfall shall be monthly based on the nature of the discharges directed to the final monitoring point.

Best Professional Judgment (BPJ)

The parameters of concern for this outfall are based on the parameters of concern listed in EPA Form 2F, and the current permit. These parameters are consistent with similar facilities in the state and have been proven to be reflective of the operations at this facility. The parameters with specific limits are discussed below:

Oil & Grease

The daily maximum limit for Oil and Grease should prevent the occurrence of a visible sheen in the stream and has been shown to be achievable through the use of proper BMPs.

DSN029S, DSN030S, DSN031S, DSN032S, and DSN033S: Storm water from the closed Gypsum Stack footprint

Best Professional Judgment (BPJ)

The parameters of concern for these outfalls are based on the parameters of concern listed in EPA Form 2F, and the current permit. These parameters are consistent with similar facilities in the state and have been proven to be reflective of the operations at this facility. Per the facility's request representative sampling shall occur at DSN030S. The parameters with specific limits are discussed below:

Oil & Grease

The daily maximum limit for Oil and Grease should prevent the occurrence of a visible sheen in the stream and has been shown to be achievable through the use of proper BMPs.

DSN034-037: Stormwater runoff from former Plant footprint

During the previous permit cycle, the facility requested to add 4 additional stormwater runoff outfalls to the Widows Creek site. These outfalls were previously covered under construction permit ALR10BDHZ for construction activities associated with TVA's D4 project. The construction has been completed and the construction permit has been closed.

Best Professional Judgment (BPJ)

The parameters of concern for these outfalls are based on the parameters of concern listed in EPA Form 2F, and the current permit. These parameters are consistent with similar facilities in the state and have been proven to be reflective of the operations at this facility. The parameters with specific limits are discussed below:

Oil & Grease

The daily maximum limit for Oil and Grease should prevent the occurrence of a visible sheen in the stream and has been shown to be achievable through the use of proper BMPs.

303(d) List of Impaired Waters

Widows Creek and the Tennessee River are listed as being impaired on the Alabama 303(d) list for Mercury. Due to the potential sources of Mercury in the facility's effluent, monitoring is proposed for all outfalls except DSN034-DSN037.

Part IV.B – Stormwater Flow Measurement and Sampling Requirements

Per the facility's request and in the interest of personal safety, storm water monitoring is required during daylight hours only.

Part IV.C - Allowable Non-Stormwater Discharges

This permit authorizes the following non-stormwater discharges provided the non-stormwater component of the discharge is in compliance with Part III.D of ADEM's construction storm water permit.

The Permittee must design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, such measures must be designed, installed, implemented and maintained to:

1. Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, concrete washout, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;
 - (a) Liquid waste shall not be directly discharged into storm sewers.
 - (b) Washout and cleanout activities should be located as far away as possible from surface waters, natural buffer areas, stormwater inlets, and conveyances.
2. Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater;

3. Minimize the discharge of pollutants from any spills and leaks from, including but not limited to vehicles; mechanical equipment; chemical storage; and refueling activities; and
4. Use of polymers, flocculants, or other treatment chemicals at the site may only be applied where treated stormwater is directed to a sediment control prior to discharge.

Best Management Practices (BMP) Plan

BMPs are believed to be the most effective way to control the contamination of stormwater from areas of industrial activities. This facility is required to maintain a BMP plan. The requirements of the BMP plan call for minimization of stormwater contact with waste materials, products and by-products, and for prevention of spills or loss of fluids from equipment maintenance activities. In addition, the BMP plan requires objectives for controls of pollutants and that all components and/or systems at the facility be examined for their potential to cause a release of significant amounts of pollutants due to equipment failures and improper operation. The effectiveness of the BMPs will be measured through the monitoring of the pollutants of concern.

The Department has updated the BMP language located in Part IV.A.2.g of the Permit. The Permit Condition now states, "Provide for routine inspections, or days during which the facility is manned, of any structures that function to prevent stormwater pollution or to remove pollutants from stormwater and of the facility in general. Routine inspections should be done at a frequency to ensure that the BMP is continually implemented and effective and in no case less frequent than once per year." This clarification was added to be consistent with 40 CFR Part 122.43(c).

Revision April 2026

The description of outfall DSN0071 and Mercury monitoring requirements listed in the footnotes of Part I.A of the permit have been updated at the Permittee's request.

$Q_d * C_d + Q_{d2} * C_{d2} + Q_s * C_s = Q_r * C_r$								Enter Max Daily Discharge as reported by Applicant (C _d) Max	Enter Avg Daily Discharge as reported by Applicant (C _d) Ave	Partition Coefficient (Stream / Lake)
ID	Pollutant	Carcinogen ^{yes} *	Type	Background from upstream source (C _{d1}) Daily Max	Background from upstream source (C _{d1}) Monthly Ave	Background Instream (C _s) Daily Max	Background Instream (C _s) Monthly Ave			
1	Antimony		Metals	0	0	0	0	0	0	-
2	Arsenic**	YES	Metals	0	0	0	0	7.63	0	0.574
3	Beryllium		Metals	0	0	0	0	0	0	-
4	Cadmium**		Metals	0	0	0	0	0	0	0.236
5	Chromium / Chromium III**		Metals	0	0	0	0	0	0	0.210
6	Chromium / Chromium VI**		Metals	0	0	0	0	0	0	-
7	Copper**		Metals	0	0	0	0	0	0	0.388
8	Lead**		Metals	0	0	0	0	0	0	0.206
9	Mercury**		Metals	0	0	0	0	0.002725	0	0.302
10	Nickel**		Metals	0	0	0	0	0	0	0.605
11	Selenium		Metals	0	0	0	0	0	0	-
12	Silver		Metals	0	0	0	0	0	0	-
13	Thallium		Metals	0	0	0	0	0	0	-
14	Zinc**		Metals	0	0	0	0	0	0	0.330
15	Cyanide		Metals	0	0	0	0	0	0	-
16	Total Phenolic Compounds		Metals	0	0	0	0	0	0	-
17	Hardness (As CaCO3)		Metals	0	0	0	0	0	0	-
18	Acrolein		VOC	0	0	0	0	0	0	-
19	Acrylonitrile*	YES	VOC	0	0	0	0	0	0	-
20	Aldrin	YES	VOC	0	0	0	0	0	0	-
21	Benzene*	YES	VOC	0	0	0	0	0	0	-
22	Bromoform*	YES	VOC	0	0	0	0	0	0	-
23	Carbon Tetrachloride*	YES	VOC	0	0	0	0	0	0	-
24	Chlordane	YES	VOC	0	0	0	0	0	0	-
25	Chlorobenzene	YES	VOC	0	0	0	0	0	0	-
26	Chlorodibromo-Methane*	YES	VOC	0	0	0	0	0	0	-
27	Chloroethane	YES	VOC	0	0	0	0	0	0	-
28	2-Chloro-Ethylvinyl Ether	YES	VOC	0	0	0	0	0	0	-
29	Chloroform*	YES	VOC	0	0	0	0	0	0	-
30	4,4'-DDD	YES	VOC	0	0	0	0	0	0	-
31	4,4'-DDE	YES	VOC	0	0	0	0	0	0	-
32	4,4'-DDT	YES	VOC	0	0	0	0	0	0	-
33	Dichlorobromo-Methane*	YES	VOC	0	0	0	0	0	0	-
34	1,1-Dichloroethane	YES	VOC	0	0	0	0	0	0	-
35	1,2-Dichloroethane*	YES	VOC	0	0	0	0	0	0	-
36	Trans-1,2-Dichloro-Ethylene	YES	VOC	0	0	0	0	0	0	-
37	1,1-Dichloroethylene*	YES	VOC	0	0	0	0	0	0	-
38	1,2-Dichloropropane	YES	VOC	0	0	0	0	0	0	-
39	1,3-Dichloro-Propylene	YES	VOC	0	0	0	0	0	0	-
40	Dieldrin	YES	VOC	0	0	0	0	0	0	-
41	Ethylbenzene	YES	VOC	0	0	0	0	0	0	-
42	Methyl Bromide	YES	VOC	0	0	0	0	0	0	-
43	Methyl Chloride	YES	VOC	0	0	0	0	0	0	-
44	Methylene Chloride*	YES	VOC	0	0	0	0	0	0	-
45	1,1,2,2-Tetrachloro-Ethane*	YES	VOC	0	0	0	0	0	0	-
46	Tetrachloro-Ethylene*	YES	VOC	0	0	0	0	0	0	-
47	Toluene	YES	VOC	0	0	0	0	0	0	-
48	Toxaphene	YES	VOC	0	0	0	0	0	0	-
49	Tributyltine (TBT)	YES	VOC	0	0	0	0	0	0	-
50	1,1,1-Trichloroethane	YES	VOC	0	0	0	0	0	0	-
51	1,1,2-Trichloroethane*	YES	VOC	0	0	0	0	0	0	-
52	Trichloroethylene*	YES	VOC	0	0	0	0	0	0	-
53	Vinyl Chloride*	YES	VOC	0	0	0	0	0	0	-
54	p-Chloro-m-Cresol	YES	Acids	0	0	0	0	0	0	-
55	2-Chlorophenol	YES	Acids	0	0	0	0	0	0	-
56	2,4-Dichlorophenol	YES	Acids	0	0	0	0	0	0	-
57	2,4-Dimethylphenol	YES	Acids	0	0	0	0	0	0	-
58	4,6-Dinitro-O-Cresol	YES	Acids	0	0	0	0	0	0	-
59	2,4-Dinitrophenol	YES	Acids	0	0	0	0	0	0	-
60	4,6-Dinitro-2-methylphenol	YES	Acids	0	0	0	0	0	0	-
61	Dioxin (2,3,7,8-TCDD)	YES	Acids	0	0	0	0	0	0	-
62	2-Nitrophenol	YES	Acids	0	0	0	0	0	0	-
63	4-Nitrophenol	YES	Acids	0	0	0	0	0	0	-
64	Pentachlorophenol*	YES	Acids	0	0	0	0	0	0	-
65	Phenol	YES	Acids	0	0	0	0	0	0	-
66	2,4,6-Trichlorophenol*	YES	Acids	0	0	0	0	0	0	-
67	Acenaphthene	YES	Bases	0	0	0	0	0	0	-
68	Acenaphthylene	YES	Bases	0	0	0	0	0	0	-
69	Anthracene	YES	Bases	0	0	0	0	0	0	-
70	Benzo(a)Anthracene*	YES	Bases	0	0	0	0	0	0	-
71	Benzo(a)Anthracene*	YES	Bases	0	0	0	0	0	0	-
72	Benzo(a)Pyrene*	YES	Bases	0	0	0	0	0	0	-
73	3,4-Benzo-Fluoranthene	YES	Bases	0	0	0	0	0	0	-
74	Benzo(b)Fluorene	YES	Bases	0	0	0	0	0	0	-
75	Benzo(k)Fluoranthene	YES	Bases	0	0	0	0	0	0	-
76	Bis (2-Chloroethoxy) Methane	YES	Bases	0	0	0	0	0	0	-
77	Bis (2-Chloroethyl) Ether*	YES	Bases	0	0	0	0	0	0	-
78	Bis (2-Chloroisopropyl) Ether	YES	Bases	0	0	0	0	0	0	-
79	Bis (2-Ethylhexyl) Phthalate*	YES	Bases	0	0	0	0	0	0	-
80	4-Bromophenyl Phenyl Ether	YES	Bases	0	0	0	0	0	0	-
81	Butyl Benzyl Phthalate	YES	Bases	0	0	0	0	0	0	-
82	2-Chloronaphthalene	YES	Bases	0	0	0	0	0	0	-
83	4-Chlorophenyl Phenyl Ether	YES	Bases	0	0	0	0	0	0	-
84	Chrysene*	YES	Bases	0	0	0	0	0	0	-
85	Di-N-Butyl Phthalate	YES	Bases	0	0	0	0	0	0	-
86	Di-N-Octyl Phthalate	YES	Bases	0	0	0	0	0	0	-
87	Dibenz(a,h)Anthracene*	YES	Bases	0	0	0	0	0	0	-
88	1,2-Dichlorobenzene	YES	Bases	0	0	0	0	0	0	-
89	1,3-Dichlorobenzene	YES	Bases	0	0	0	0	0	0	-
90	1,4-Dichlorobenzene	YES	Bases	0	0	0	0	0	0	-
91	3,3-Dichlorobenzidine*	YES	Bases	0	0	0	0	0	0	-
92	Diethyl Phthalate	YES	Bases	0	0	0	0	0	0	-
93	Dimethyl Phthalate	YES	Bases	0	0	0	0	0	0	-
94	2,4-Dinitrotoluene*	YES	Bases	0	0	0	0	0	0	-
95	2,4-Dinitrotoluene	YES	Bases	0	0	0	0	0	0	-
96	1,2-Diphenylhydrazine	YES	Bases	0	0	0	0	0	0	-
97	Endosulfan (alpha)	YES	Bases	0	0	0	0	0	0	-
98	Endosulfan (beta)	YES	Bases	0	0	0	0	0	0	-
99	Endosulfan sulfate	YES	Bases	0	0	0	0	0	0	-
100	Erdrin	YES	Bases	0	0	0	0	0	0	-
101	Erdrin Aldehyde	YES	Bases	0	0	0	0	0	0	-
102	Fluoranthene	YES	Bases	0	0	0	0	0	0	-
103	Fluorene	YES	Bases	0	0	0	0	0	0	-
104	Haptochlor	YES	Bases	0	0	0	0	0	0	-
105	Haptochlor Epoxide	YES	Bases	0	0	0	0	0	0	-
106	Hexachlorobenzene*	YES	Bases	0	0	0	0	0	0	-
107	Hexachlorobutadiene*	YES	Bases	0	0	0	0	0	0	-
108	Hexachlorocyclohexan (alpha)	YES	Bases	0	0	0	0	0	0	-
109	Hexachlorocyclohexan (beta)	YES	Bases	0	0	0	0	0	0	-
110	Hexachlorocyclohexan (gamma)	YES	Bases	0	0	0	0	0	0	-
111	Hexachlorocyclopentadiene	YES	Bases	0	0	0	0	0	0	-
112	Hexachloroethane	YES	Bases	0	0	0	0	0	0	-
113	Indene(1,2,3-CK)Pyrene*	YES	Bases	0	0	0	0	0	0	-
114	Isochlorophene	YES	Bases	0	0	0	0	0	0	-
115	Naphthalene	YES	Bases	0	0	0	0	0	0	-
116	Nitrobenzene	YES	Bases	0	0	0	0	0	0	-
117	N-Nitrosodi-N-Propylamine*	YES	Bases	0	0	0	0	0	0	-
118	N-Nitrosodi-N-Methylamine*	YES	Bases	0	0	0	0	0	0	-
119	N-Nitrosodi-N-Phenylamine*	YES	Bases	0	0	0	0	0	0	-
120	PCB-1016	YES	Bases	0	0	0	0	0	0	-
121	PCB-1221	YES	Bases	0	0	0	0	0	0	-
122	PCB-1232	YES	Bases	0	0	0	0	0	0	-
123	PCB-1242	YES	Bases	0	0	0	0	0	0	-
124	PCB-1246	YES	Bases	0	0	0	0	0	0	-
125	PCB-1254	YES	Bases	0	0	0	0	0	0	-
126	PCB-1260	YES	Bases	0	0	0	0	0	0	-
127	Phenanthrene	YES	Bases	0	0	0	0	0	0	-
128	Pyrene	YES	Bases	0	0	0	0	0	0	-
129	1,2,4-Trichlorobenzene	YES	Bases	0	0	0	0	0	0	-

5.427	Enter Q _d = wastewater discharge flow from facility (MGD)
6.39681178	Q _d = wastewater discharge flow (cfs) (this value is calculated from the MGD)
0	Enter flow from upstream discharge Q _{d2} = background stream flow in MGD above point of discharge
0	Q _{d2} = background stream flow from upstream source (cfs)
0.88	Enter TQ10, Q _s = background stream flow in cfs above point of discharge
0.75	Enter or estimated, TQ10, Q _s = background stream flow in cfs above point of discharge (TQ10 estimated at 75% of TQ10)
94.85	Enter Mean Annual Flow, Q _s = background stream flow in cfs above point of discharge
1.89	Enter TQ2, Q _s = background stream flow in cfs above point of discharge (For LWF class streams)
Enter to Lake	Enter C _s = background in-stream pollutant concentration in µg/l (assuming this is zero "0" unless there is data)
Q _s + Q _{d2} - Q _d	Q _s = resultant in-stream flow, after discharge
Calculated on other	C _s = resultant in-stream pollutant concentration in µg/l in the stream (after complete mixing occurs)
100.00	Enter, Background Hardness above point of discharge (assumed 50 South of Birmingham and 100 North of Birmingham)
7.00 ± 0.1	Enter, Background pH above point of discharge
yes	Enter, Is discharge to a stream? "YES" Other option would be to a Lake. (This changes the partition coefficients for the metals)

** Using Partition Coefficients

April 18, 2020

Freshwater FAW classification				Freshwater Acute ($\mu\text{g/l}$) $Q_1 = 1Q10$					Freshwater Chronic ($\mu\text{g/l}$) $Q_1 = 7Q10$					Human Health Consumption Fish only ($\mu\text{g/l}$) Carcinogen $Q_1 = \text{Annual Average}$ Non-Carcinogen $Q_1 = 7Q10$						
ID	Pollutant	RP?	Carcinogen yes	Background from upstream source (C _{max}) Daily Max	Max Daily Discharge as reported by Applicant (C _{max})	Water Quality Criteria (C ₁)	Draft Permit Limit (C _{max})	20% of Draft Permit Limit	RP?	Background from upstream source (C _{avg}) Monthly Ave	Aug Daily Discharge as reported by Applicant (C _{max})	Water Quality Criteria (C ₁)	Draft Permit Limit (C _{max})	20% of Draft Permit Limit	RP?	Water Quality Criteria (C ₁)	Draft Permit Limit (C _{max})	20% of Draft Permit Limit	RP?	
1	Antimony			0	0					0	0					0.0000	4.12E+02	8.25E+01	No	
2	Arsenic		YES	0	7.83	10.000	845.242	129.048	No	0	0	10.000	288.711	57.742	No	0.30	3.73	0.75	No	
3	Beryllium			0	0					0	0								No	
4	Cadmium			0	0	10.000	9.295	1.859	No	0	0	10.000	1.152	0.230	No				No	
5	Chromium/ Chromium III			0	0	1715.000	2055.468	591.100	No	0	0	10.000	388.914	77.983	No				No	
6	Chromium/ Chromium VI			0	0	10.000	17.429	3.486	No	0	0	10.000	12.153	2.431	No				No	
7	Copper			0	0	10.000	37.731	7.546	No	0	0	10.000	25.501	5.100	No				No	
8	Lead			0	0	10.000	341.504	68.301	No	0	0	10.000	13.497	2.699	No				No	
9	Mercury			0	0.002725	10.000	2.814	0.523	No	0	0	10.000	0.013	0.003	No	0.0434	0.0469	0.0984	No	
10	Nickel			0	0	10.000	1010.017	202.003	No	0	0	10.000	113.778	22.756	No	9.93E+02	1.10E+03	2.19E+02	No	
11	Selenium			0	0	10.000	21.798	4.357	No	0	0	10.000	5.524	1.105	No	1.00E+01	2.69E+03	5.37E+02	No	
12	Silver			0	0	10.000	3.904	0.701	No	0	0								No	
13	Thallium			0	0					0	0						0.30	0.08	No	
14	Zinc			0	0	10.000	386.800	77.362	No	0	0	10.000	385.518	70.103	No	1.48E+04	1.85E+04	3.29E+03	No	
15	Cyanide			0	0	10.000	23.955	4.793	No	0	0	10.000	5.745	1.149	No	1.00E+01	1.03E+04	2.08E+03	No	
16	Total Phenolic Compounds			0	0					0	0								No	
17	Hardness (As CaCO3)			0	0					0	0								No	
18	Acrolein			0	0					0	0						8.00E+00	1.20E+00	No	
19	Acrylonitrile		YES	0	0					0	0						1.77E+00	3.54E-01	No	
20	Aldrin		YES	0	0	10.000	3.268	0.654	No	0	0						3.61E-04	7.23E-05	No	
21	Benzene		YES	0	0					0	0						1.80E+02	3.61E+01	No	
22	Bromoform		YES	0	0					0	0						9.88E+02	1.94E+02	No	
23	Carbon Tetrachloride		YES	0	0					0	0						1.18E+01	2.35E+00	No	
24	Chlordane		YES	0	0	10.000	2.814	0.523	No	0	0	10.000	0.005	0.001	No	1.00E+01	5.81E-03	1.16E-03	No	
25	Chlorobenzene			0	0					0	0						1.00E+03	2.00E+02	No	
26	Chlorobromo-Methane		YES	0	0					0	0						1.00E+03	2.00E+02	No	
27	Chloroethane			0	0					0	0						9.11E+01	1.82E+01	No	
28	2-Chloro-Ethylvinyl Ether			0	0					0	0								No	
29	Chloroform		YES	0	0					0	0						1.25E+03	2.51E+02	No	
30	4,4' - DDD		YES	0	0					0	0						2.23E-03	4.46E-04	No	
31	4,4' - DDE		YES	0	0					0	0						1.57E-03	3.15E-04	No	
32	4,4' - DDT		YES	0	0	1.100	1.198	0.240	No	0	0	0.001	0.001	0.000	No	1.00E+01	1.57E+03	3.15E+04	No	
33	Dichlorobromo-Methane		YES	0	0					0	0						1.23E+02	2.47E+01	No	
34	1,1-Dichloroethane			0	0					0	0								No	
35	1,2-Dichloroethane		YES	0	0					0	0						2.83E+02	5.25E+01	No	
36	Trans-1,2-Dichloro-Ethylene			0	0					0	0						6.53E+03	1.31E+03	No	
37	1,1-Dichloroethylene		YES	0	0					0	0						5.12E+04	1.02E+04	No	
38	1,2-Dichloropropane			0	0					0	0						9.38E+00	1.88E+00	No	
39	1,3-Dichloro-Propylene			0	0					0	0						1.38E+01	2.71E+00	No	
40	Dieldrin		YES	0	0	10.000	0.281	0.052	No	0	0	10.000	0.082	0.012	No	1.00E+01	3.84E-04	7.68E-05	No	
41	Ethylbenzene			0	0					0	0						1.37E+03	2.75E+02	No	
42	Methyl Bromide			0	0					0	0						9.62E+02	1.92E+02	No	
43	Methyl Chloride			0	0					0	0								No	
44	Methylene Chloride		YES	0	0					0	0						4.25E+03	8.50E+02	No	
45	1,1,2,2-Tetrachloro-Ethane		YES	0	0					0	0						2.87E+01	5.74E+00	No	
46	Tetrachloro-Ethylene		YES	0	0					0	0						2.38E+01	4.71E+00	No	
47	Toluene			0	0					0	0						9.64E+03	1.93E+03	No	
48	Toxaphene		YES	0	0	10.000	0.795	0.159	No	0	0	10.000	0.000	0.000	No	1.00E+01	1.99E-03	3.98E-04	No	
49	Tributyltin (TBT)		YES	0	0	10.000	0.501	0.100	No	0	0	10.000	0.080	0.016	No				No	
50	1,1,1-Trichloroethane			0	0					0	0								No	
51	1,1,2-Trichloroethane		YES	0	0					0	0						1.12E+02	2.24E+01	No	
52	Trichloroethylene		YES	0	0					0	0						2.15E+02	4.30E+01	No	
53	Vinyl Chloride		YES	0	0					0	0						1.75E+01	3.50E+00	No	
54	p-Chloro-m-Cresol			0	0					0	0								No	
55	2-Chlorophenol			0	0					0	0						9.62E+01	1.92E+01	No	
56	2,4-Dichlorophenol			0	0					0	0						1.90E+02	3.80E+01	No	
57	2,4-Dimethylphenol			0	0					0	0						5.50E+02	1.10E+02	No	
58	4,6-Dinitro-O-Cresol			0	0					0	0								No	
59	2,4-Dinitrophenol			0	0					0	0						3.44E+03	6.87E+02	No	
60	4,6-Dinitro-2-methylphenol		YES	0	0					0	0						2.03E+03	4.07E+02	No	
61	Dioxin (2,3,7,8-TCDD)		YES	0	0					0	0						1.00E+01	3.28E-07	6.56E-08	No
62	2-Nitrophenol			0	0					0	0								No	
63	4-Nitrophenol			0	0					0	0								No	
64	Pentachlorophenol		YES	0	0	10.000	9.502	1.900	No	0	0	10.000	7.394	1.479	No	1.00E+01	2.17E+01	4.35E+00	No	
65	Phenol			0	0					0	0						5.52E+05	1.10E+05	No	
66	2,4,6-Trichlorophenol		YES	0	0					0	0						1.74E+01	3.48E+00	No	
67	Acenaphthene			0	0					0	0						8.30E+02	1.28E+02	No	
68	Acenaphthylene			0	0					0	0								No	
69	Anthracene			0	0					0	0						1.00E+01	2.59E+04	5.16E+03	No
70	Benazidine			0	0					0	0						1.28E-04	2.56E-05	No	
71	Benzo(A)Anthracene		YES	0	0					0	0						1.31E-01	2.62E-02	No	
72	Benzo(A)Pyrene		YES	0	0					0	0						1.31E-01	2.62E-02	No	
73	Benzo(B)fluoranthene			0	0					0	0						1.18E-02	2.35E-03	No	
74	Benzo(GH)Perylene			0	0					0	0								No	
75	Benzo(K)Fluoranthene			0	0					0	0						1.18E-02	2.35E-03	No	
76	Bis (2-Chloroethoxy) Methane			0	0					0	0								No	
77	Bis (2-Chloroethyl)-Ether		YES	0	0					0	0						3.78E+00	7.56E-01	No	
78	Bis (2-Chloroiso-Propyl) Ether			0	0					0	0						4.17E+04	8.35E+03	No	
79	Bis (2-Ethylhexyl) Phthalate		YES	0	0					0	0						1.58E+01	3.15E+00	No	
80	4-Bromophenyl Phenyl Ether			0	0					0	0								No	
81	Butyl Benzyl Phthalate			0	0					0	0						1.25E+03	2.49E+02	No	
82	2-Chloronaphthalene			0	0					0	0						1.02E+03	2.04E+02	No	
83	4-Chlorophenyl Phenyl Ether			0	0					0	0								No	
84	Chrysene		YES	0	0					0	0						1.31E-01	2.62E-02	No	
85	D,N-Butyl Phthalate			0	0					0	0						2.80E+03	5.78E+02	No	
86	D,N-Octyl Phthalate			0	0					0	0								No	
87	Dibenz(A,H)Anthracene		YES	0	0					0	0						1.31E-01	2.62E-02	No	
88	1,2-Dichlorobenzene			0	0					0	0						8.35E+02	1.67E+02	No	
89	1,3-Dichlorobenzene			0	0					0	0						6.21E+02	1.24E+02	No	
90	1,4-Dichlorobenzene			0	0					0	0						1.24E+02	2.49E+01	No	
91	3,3-Dichlorobenzidine		YES	0	0					0	0						1.00E+01	4.00E+02	No	
92	Diethyl Phthalate			0	0					0	0						2.83E+04	5.65E+03	No	
93	Dimethyl Phthalate			0	0					0	0						7.16E+05	1.43E+05	No	
94	2,4-Dinitrotoluene		YES																	

RE: Draft Permit - TVA Widows Creek Facility

From Phillips, Craig Lee <clphillips@tva.gov>

Date Wed 4/15/2026 1:11 PM

To Mehmood, Muhammad Uzair <muhammad.mehmood@adem.alabama.gov>

Good morning, Mr. Mehmood,

Thank you for sharing the proposed language regarding mercury monitoring. We are not opposed to the updated wording you suggested. We appreciate your attention to detail and your commitment to keeping us informed throughout this process.

Thanks,

Craig L. Phillips

Specialist, Water Permits, Compliance, & Monitoring
Environment Compliance Operations



M. 865-599-6183 E. clphillips@tva.gov
400 West Summit Hill Drive, Knoxville, TN 37902



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From: Mehmood, Muhammad Uzair <muhammad.mehmood@adem.alabama.gov>

Sent: Wednesday, April 15, 2026 10:42 AM

To: Phillips, Craig Lee <clphillips@tva.gov>

Subject: Re: Draft Permit - TVA Widows Creek Facility

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the Outlook Toolbar at the top of your screen.

Good morning, Craig,

For the mercury testing method, would it be acceptable to use a more general language? We are proposing to use this instead:

“Mercury monitoring shall be in accordance with Part I.B.2 of the Permit.”

Please let me know.

Thank you.

Muhammad Uzair Mehmood
Industrial Section
Industrial/ Municipal Branch
Water Division
Alabama Department of Environmental Management
P.O Box # 301463
Montgomery, Alabama 36110
334-279-3065

ADEM

Mission: Assure for all citizens of the state a safe, healthful and productive environment

From: Phillips, Craig Lee <clphillips@tva.gov>

Sent: Tuesday, April 14, 2026 8:35 AM

To: Mehmood, Muhammad Uzair <muhammad.mehmood@adem.alabama.gov>

Subject: RE: Draft Permit - TVA Widows Creek Facility

Thanks. We are fine with that description.

Craig L. Phillips

Specialist, Water Permits, Compliance, & Monitoring

Environment Compliance Operations

TVA TENNESSEE
VALLEY
AUTHORITY

M. 865-599-6183 E. clphillips@tva.gov

400 West Summit Hill Drive, Knoxville, TN 37902



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From: Mehmood, Muhammad Uzair <muhammad.mehmood@adem.alabama.gov>
Sent: Tuesday, April 14, 2026 9:30 AM
To: Phillips, Craig Lee <cjphillips@tva.gov>
Subject: Re: Draft Permit - TVA Widows Creek Facility

This is an EXTERNAL EMAIL from outside TVA. THINK BEFORE you CLICK links or OPEN attachments. If suspicious, please click the "Report Phishing" button located on the Outlook Toolbar at the top of your screen.

Good morning Craig,

The testing method for Mercury is being discussed by my supervisors. I will get back to you on it once I receive their feedback on it.

The outfall description for DSN0071 can be updated as following:

"Discharge from the Process Water Pond to include stormwater runoff and CCR leachate"

Please let me know if it's acceptable.

Thank you.

Muhammad Uzair Mehmood

Industrial Section

Industrial/ Municipal Branch

Water Division

Alabama Department of Environmental Management

P.O Box # 301463

Montgomery, Alabama 36110

334-279-3065



Mission: Assure for all citizens of the state a safe, healthful and productive environment

From: Phillips, Craig Lee <clphillips@tva.gov>

Sent: Thursday, March 26, 2026 1:58 PM

To: Mehmood, Muhammad Uzair <muhammad.mehmood@adem.alabama.gov>

Subject: RE: Draft Permit - TVA Widows Creek Facility

Dear Muhammad Mehmood,

Thank you for giving us the opportunity to review and provide feedback on the Widow Creek Facility NPDES DRAFT permit. We appreciate your efforts in keeping the process collaborative and transparent.

I wanted to bring up two specific items for consideration. First, regarding the mercury testing methods, while EPA Method 245.7 is the approved approach for low-level mercury, at WCF we utilize EPA Method 245.1 for Total Mercury, as that is the EPA approved method listed for Total Mercury in 40 CFR Part 136. For consistency and clarity, TVA requests that any footnotes referencing Method 245.7 be updated to reference Method 245.1 instead.

Additionally, we noted a point needing clarification in the Outfall description for DSN0071. The draft currently describes "Discharge from the Process Water Pond to include stormwater runoff, sump flows from the former fossil plant powerhouse facilities, and CCR leachate." However, the sump flows from the former fossil plant powerhouse facilities have been removed and are not shown in our flow diagram or

any supporting narratives. To ensure accuracy, TVA requests that the description for DSN0071 be revised to remove the reference to those sump flows.

Please let us know if you need any further details or if clarification is required on any of these points. We appreciate your attention to these items and look forward to continuing to work together on this permit.

Best regards,

Craig Phillips

Craig L. Phillips
Specialist, Water Permits, Compliance, & Monitoring
Environment Compliance Operations



M. 865-599-6183 E. cphilips@tva.gov
400 West Summit Hill Drive, Knoxville, TN 37902



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From: Phillips, Craig Lee
Sent: Monday, March 23, 2026 12:50 PM
To: Mehmood, Muhammad Uzair <muhammad.mehmood@ade.m.alabama.gov>
Subject: RE: Draft Permit - TVA Widows Creek Facility

NPDES Individual Permit Mod/Reissue (Form 187) - Supplementary Information for Industrial Facilities

version 2.8

(Submission #: HQ0-CK3H-JYDAF, version 1)

Digitally signed by:
AEPACS
Date: 2024.01.17 13:46:36 -06:00
Reason: Submission Data
Location: State of Alabama

Details

Submission ID HQ0-CK3H-JYDAF

Form Input

General Instructions

This form should be used to submit the following permit requests for permitted Industrial Individual NPDES facilities

- Permit Transfers
- Permittee/Facility Name Changes
- Minor Modifications, for example:
 - > Frequency of monitoring or reporting modifications
 - > Changes to interim compliance dates in a schedule of compliance, not including the final compliance date.
 - > Removal of a point source outfall, provided the discharge is terminated and does not result in discharge of pollutants from other outfalls, except in accordance with permit limits.
- Major Modifications, (Any modifications not covered by minor modifications, whether Effluent Limit changes occur or not)
- Reissuances
 - Reissuance of a permit due to approaching expiration
 - Revocation and Reissuance of permit prior to its scheduled expiration

Applicable Base Fees:

- Permit Transfers and/or Permittee/Facility Name Changes
 - > \$800
- Minor Modifications (see examples above)
 - > \$3,940 (Major Sources)
 - > \$3,120 (Minor Sources)
- Major Modifications
 - > \$17,990 (Major Sources)
 - > \$5,615 (Minor Sources)
- Reissuances
 - > \$17,990 (Major Sources)
 - > \$5,615 (Minor Sources)

[For assistance, please click here to determine the permit staff responsible for the site or call \(334\) 271-7943](#)

Processing Information

Purpose of Application

Reissuance of Permit Due to Approaching Expiration

Please indicate if the Permittee is applying for a permit transfer and/or name change in addition to permit modification or reissuance:

None

Action Type

Reissuance

If applicable, briefly describe any planned changes at the facility that are included in this reissuance application:
NONE PROVIDED

General Information

SID Permit Number (if your facility currently holds an SID permit, please provide that number below):
NONE PROVIDED

NPDES or General Permit Numbers (if applicable, please list all permit numbers):
AL0003875

Is this facility/site only applying for permit coverage for discharges from stormwater?
No

Is a new stormwater outfall being added?
No

Permit Information

Permit Number
AL0003875

Current Permittee Name
Tennessee Valley Authority

Permittee

Permittee Name
Tennessee Valley Authority

Mailing Address
2800 Steam Plant Road
Stevenson, AL 35772

❶ Per ADEM Admin. Code r. 335-6-6-.09 (1), a Responsible Official is defined as CEO, President, any position at a level of Vice President or higher, Owner, Partner, Managing Member (LLC), or ranking elected official. Please provide the contact information for the person meeting this definition.

Do NOT enter information for a person that is/will be a Duly Authorized Representative (DAR) (i.e. a person that has been delegated signatory permissions by a Responsible Official). A person that is a Duly Authorized Representative is NOT considered a RESPONSIBLE OFFICIAL.

Responsible Official

Prefix
Mr.

First Name **Last Name**
Michael *Turnbow*

Title
VP, Major Projects

Organization Name
TVA

Phone Type **Number** **Extension**
Business *4237513031*

Email
msturnbow@tva.gov

Mailing Address
P.O. Box 2000
Stevenson, AL 35772

Does the Responsible Official intend to delegate signatory authority for DMRs or other compliance reports to an individual as a duly authorized representative (DAR) for this site?

No

Existing Permit Contacts

Affiliation Type	Contact Information	Remove?
Application Preparer,Notification Recipient	Craig Phillips, Water Permits, Compliance, & Monitoring	NONE PROVIDED
Facility Contact,DMR Contact	Lauren Vinson, Tennessee Valley Authority	NONE PROVIDED
Responsible Official,Notification Recipient	Michael Turnbow, TVA	NONE PROVIDED
Permittee,Applicant,Notification Recipient	Tennessee Valley Authority	NONE PROVIDED

Facility/Site Information

Facility/Site Name

Widows Creek Facility

Organization/Ownership Type

Federal

Facility/Site Address or Location Description

2800 Steam Plant Road
Stevenson, AL 35772

Facility/Site County

Jackson

Detailed Directions to the Facility/Site

From US-72 W, turn left onto County Road 69. Go 0.7 miles then turn right onto AL-277S. Go 0.2 miles then turn left onto Steam Plant RD.

Facility Map

[NPDES Permit Site Map 04_20_22_R1.pdf - 01/03/2024 02:21 PM](#)

Comment

NONE PROVIDED

Please refer to the link below for Lat/Long map instruction help:

[Map Instruction Help](#)

Facility/Site Front Gate Latitude and Longitude

34.89166700000000,-85.74583300000001

2800 Steam Plant Road, Stevenson, AL

SIC Code(s) [Please enter Primary SIC Code first followed by any additional applicable SIC Codes]

4911-Electric Services

NAICS Code(s) [Please enter Primary NAICS Code first followed by any additional applicable NAICS Codes]

221118-Other Electric Power Generation

Facility/Site Contact

Prefix

Mr.

First Name Last Name

Ethan Widener

Title

Environmental Scientist

Organization Name

Environmental Ops

Phone Type Number Extension

Business 256-729-3850

Email

emwidener@tva.gov

Address

P.O. Box 2000, NAB 2A
Decatur, AL 35602

DMR Contact(s) (1 of 1)

DMR Contact

Prefix

Mr.

First Name Last Name

Ethan Widener

Title

Environmental Scientist

Phone Type Number Extension

Business 256-729-3850

Email

emwidener@tva.gov

Address

P.O. Box 2000, NAB 2A
Decatur, AL 35602

Enforcement History

Has the applicant been issued any Notices of Violation, Orders (Consent or Administrative/Unilateral), or Judicial Actions (Complaint, Settlement Agreement, Consent Decree, or Court Order) concerning water pollution or other permit violations within the State of Alabama in the past five years?

No

Business Activity

A facility with processes inclusive in the business areas shown below may be covered by Environmental Protection Agency (EPA) categorical effluent guideline standards. These facilities are termed categorical users. If unsure, please call the Industrial Section at (334) 271-7943 to discuss or use the link below to contact the Permit Engineer for the county the facility is/will be located in.

[Industrial Section Assignment Map](#)

If your facility conducts or will be conducting any of the processes listed below (regardless of whether they generate wastewater, waste sludge, or hazardous wastes), please check the category of business activity:

Other: closed Fossil Plant

Give a brief description of all operations at this facility including primary products or services:
Closed former site of Widows Creek Fossil Plant.

Water Supply

Water Sources (check all that apply):

Surface Water

Operator of Surface Intake	Million Gallons per Day (MGD)
NA	NA
	Sum: NaN

Cooling Water Intake Structure Information

Does the provider of your source water operate a surface water intake?

No

Is the provider a public water system (defined as a system which provides water to the public for human consumption or which provides only treated water, not raw water)?

No

Is any water withdrawn from the source water used for cooling?

No

Using the average monthly measurements over any 12-month period, approximately what percentage of water withdrawn is used exclusively for cooling purposes?

0

Does the cooling water consist of treated effluent that would otherwise be discharged?

No

Is the cooling water used in a once-through cooling system?

No

Is the cooling water used in a closed cycle cooling system?

No

When was the intake installed?

No intake

What is the maximum intake volume (maximum pumping capacity in gallons per day)?

0

What is the average intake volume (average intake pump rate in gallons per day average in any 30-day period)?

0

What is the actual intake flow (AIF) as defined in 40 CFR § 125.92(a) (MGD)?

0

How is the intake operated?

Continuously

What is the mesh size of the screen on your intake (in inches)?

0

What is the intake screen flow-through area (in square feet)?

0

What is the through-screen design intake flow velocity (in ft/sec)?

0

What is the through-screen actual velocity (in ft/sec)?

0

What is the mechanism for cleaning the screen (e.g., does it rotate for cleaning)?

No intake present.

Do you have any additional fish detraction technology on your intake?

No

Have there been any studies to determine the impact of the intake on aquatic organisms?

No

Attach a site map showing the location of the water intake in relation to the facility, shoreline, water depth, etc.

[NPDES Permit Site Map 04_20_22_R1.pdf - 01/03/2024 03:22 PM](#)

Comment

No intake present.

Outfalls (1 of 1)

007

Please click below if this discharge no longer exists or is no longer required:

NONE PROVIDED

Outfall Identifier

007

Receiving Water

Widows Creek

Does the discharge enter the named receiving water via an unnamed tributary?

NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:

Process Water commingled with Stormwater

Estimated Average Daily Flow (MGD)

5.233

Monitoring/Sampling Point Location

34.901101,-85.754705

Stormwater Outfalls (1 of 22)

001

Please click below if this discharge no longer exists or is no longer required:

NONE PROVIDED

Outfall Identifier

001

Receiving Water

Tennessee River

Does the discharge enter the named receiving water via an unnamed tributary?

NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:

Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.88974100000000, -85.74597100000000

Stormwater Outfalls (2 of 22)

004

Please click below if this discharge no longer exists or is no longer required:
Delete this Outfall

Provide the reason this outfall is being deleted.
Outfall Location No Longer Exists

Outfall Identifier
004

Stormwater Outfalls (3 of 22)

005

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
005

Receiving Water
Tennessee River

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.88697000000000, -85.74774600000001

Stormwater Outfalls (4 of 22)

006

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
006

Receiving Water
Tennessee River

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.87901400000000, -85.75987000000001

Stormwater Outfalls (5 of 22)

008

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
008

Receiving Water
Widows Creek

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.89258800000000, -85.74172800000000

Stormwater Outfalls (6 of 22)

013

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
013

Receiving Water
Tennessee River

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.89665900000000, -85.74371800000000

Stormwater Outfalls (7 of 22)

021

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
021

Receiving Water
Tennessee River

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.89002800000000, -85.74572200000000

Stormwater Outfalls (8 of 22)

023

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
023

Receiving Water
Widows Creek

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.89622700000000, -85.74419700000000

Stormwater Outfalls (9 of 22)

024

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
024

Receiving Water
Widows Creek

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.89804100000000, -85.74572200000000

Stormwater Outfalls (10 of 22)

025

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
025

Receiving Water
Widows Creek

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.90064100000000, -85.74582599999999

Stormwater Outfalls (11 of 22)

026

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
026

Receiving Water
Widows Creek

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.90208200000000, -85.74729700000000

Stormwater Outfalls (12 of 22)

027

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
027

Receiving Water
Widows Creek

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:

Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location

34.90291800000000, -85.74899300000000

Stormwater Outfalls (13 of 22)

028

Please click below if this discharge no longer exists or is no longer required:

NONE PROVIDED

Outfall Identifier

028

Receiving Water

Widows Creek

Does the discharge enter the named receiving water via an unnamed tributary?

NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:

Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location

34.90197800000000, -85.75267500000000

Stormwater Outfalls (14 of 22)

029

Please click below if this discharge no longer exists or is no longer required:

NONE PROVIDED

Outfall Identifier

029

Receiving Water

Widows Creek

Does the discharge enter the named receiving water via an unnamed tributary?

NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:

Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location

34.90216300000000, -85.74499200000000

Stormwater Outfalls (15 of 22)

030

Please click below if this discharge no longer exists or is no longer required:

NONE PROVIDED

Outfall Identifier

030

Receiving Water

Horn Branch

Does the discharge enter the named receiving water via an unnamed tributary?

NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:

Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location

34.90592700000000, -85.74384800000000

Stormwater Outfalls (16 of 22)

031

Please click below if this discharge no longer exists or is no longer required:

NONE PROVIDED

Outfall Identifier

031

Receiving Water

Horn Branch

Does the discharge enter the named receiving water via an unnamed tributary?

NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:

Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location

34.90767100000000, -85.74092700000000

Stormwater Outfalls (17 of 22)

032

Please click below if this discharge no longer exists or is no longer required:

NONE PROVIDED

Outfall Identifier

032

Receiving Water

Horn Branch

Does the discharge enter the named receiving water via an unnamed tributary?

NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:

Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location

34.90876200000000, -85.73941400000000

Stormwater Outfalls (18 of 22)

033

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
033

Receiving Water
Horn Branch

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.90977400000000, -85.73788000000000

Stormwater Outfalls (19 of 22)

034

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
034

Receiving Water
Tennessee River

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.88100000000000, -85.75520000000000

Stormwater Outfalls (20 of 22)

035

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
035

Receiving Water
Tennessee River

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.88440000000000, -85.75430000000000

Stormwater Outfalls (21 of 22)

036

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
036

Receiving Water
Tennessee River

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.88470000000000, -85.75290000000000

Stormwater Outfalls (22 of 22)

037

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
037

Receiving Water
Tennessee River

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.88560000000000, -85.74930000000001

Process Flow Schematic with Wastewater Treatment(s), If Applicable

For an example of a process flow diagram, please use the link below.
[Figure 1: Example of Process Flow Schematic](#)

Process Flow Schematic

[WCF Flow Schematic_2024_UPDATE.pdf - 01/05/2024 09:24 AM](#)

Comment

NONE PROVIDED

Anti-Degradation Evaluation

Is this a new or increased discharge that began after April 3, 1991?

No

Additional Information

Do you share an outfall with another facility?

No

Indicate if automatic sampling equipment or continuous wastewater flow metering equipment is being operated at this facility:

Current	Yes/No
Continuous Wastewater Flow Metering Equipment	No
Automatic Sampling Equipment	No

Indicate if installation automatic sampling equipment or continuous wastewater flow metering equipment planned at this facility:

Planned	Yes/No
Continuous Wastewater Flow Metering Equipment	No
Automatic Sampling Equipment	No

Please attach the process schematic with sampling equipment locations.

[NPDES Permit Site Map 04_20_22_R1.pdf - 01/05/2024 09:26 AM](#)

Comment

This map shows the monitoring locations.

Are any process changes or expansions planned during the next three years that could alter wastewater volumes or characteristics (Consider production processes as well as air or water pollution treatment processes that may affect the discharge.)?

No

Do you use biocides, corrosion inhibitors, or chemical additives in your cooling or blowdown water?

No

Biocide/Corrosion Inhibitor Summary Sheet

NONE PROVIDED

Comment

NONE PROVIDED

Treatment

Is any form of wastewater treatment (see list below) practiced at this facility?

Yes

Treatment devices or processes used or proposed for treating wastewater or sludge (check as many as appropriate).

Sedimentation

Is any form of wastewater treatment (or changes to an existing wastewater treatment) planned for this facility within the next three years?

No

Facility Operational Characteristics

Indicate whether the facility discharge is:

Continuous through the year

Comments:

NONE PROVIDED

Non-Discharged Wastes

Are any waste liquids or sludges generated and not disposed of in the sanitary sewer system?

No

Does any outside firm remove any of the above checked wastes?

No

EPA Application Forms

All Applicants must submit certain EPA permit application forms. More than one application form may be required.

Form 1 - General Information Form required for all applications

Form 2C - Should be submitted for facilities with existing discharge(s) of process wastewater.

Form 2D - Should be submitted for facilities that have not yet commenced discharge(s) of process wastewater.

Form 2E - Should be submitted for facilities who discharge non-process wastewater, such as non-contact cooling water or boiler blowdown.

Form 2F - Should be submitted for all discharges of storm water associated with an industrial activity.

The EPA application forms are found on the [Department's website here](#).

EPA Form 1

[Form_1_signature.pdf - 01/17/2024 10:02 AM](#)

Comment

NONE PROVIDED

Additional EPA Forms (EPA Form 2C, 2D, 2E and/or 2F)

[form_2C_007.pdf - 01/17/2024 10:07 AM](#)

[form_2F.pdf - 01/17/2024 10:07 AM](#)

Comment

NONE PROVIDED

Other attachments (as needed)

[Form 2F Attachment 1.pdf - 01/17/2024 10:08 AM](#)

Comment

NONE PROVIDED

Additional Attachments

Please attach any additional information as needed.

NONE PROVIDED

Comment

NONE PROVIDED

Application Preparer

Application Preparer

Prefix

NONE PROVIDED

First Name Last Name

Craig *Phillips*

Title

Water Specialist

Organization Name

Water Permits, Compliance,

Phone Type Number Extension

Mobile 8655996183

Email

clphillips@tva.gov

Address

400 West Summit Hill DR

Knoxville, TN 37902

Agreements and Signature(s)

SUBMISSION AGREEMENTS

- I am the owner of the account used to perform the electronic submission and signature.
- I have the authority to submit the data on behalf of the facility I am representing.
- I agree that providing the account credentials to sign the submission document constitutes an electronic signature equivalent to my written signature.
- I have reviewed the electronic form being submitted in its entirety, and agree to the validity and accuracy of the information contained within it to the best of my knowledge.

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


"I further certify under penalty of law that all analyses reported as less than detectable in this application or attachments thereto were performed using the EPA approved test method having the lowest detection limit for the substance tested."

NOTE: 335-6-5-.14 SIGNATORIES TO PERMIT APPLICATIONS AND REPORTS.

The application shall be signed by a responsible official, a request for variance from categorical pretreatment standards, and a category determination request shall be signed by a responsible official, as indicated below

- *In the case of a corporation, by a principal executive officer of at least the level of vice president;*
- *In the case of a partnership, by a general partner;*
- *In the case of a sole proprietorship, by the proprietor; or*
- *In the case of a municipal, state, federal, or other public entity, by either a principal executive officer, or ranking elected official*

Signed Michael Turnbow on 01/17/2024 at 1:41 PM
By

Form 1 NPDES		U.S. Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater GENERAL INFORMATION
--------------------	---	--

SECTION 1. ACTIVITIES REQUIRING AN NPDES PERMIT (40 CFR 122.21(f) and (f)(1))

Activities Requiring an NPDES Permit	1.1 Applicants Not Required to Submit Form 1			
	1.1.1	Is the facility a new or existing publicly owned treatment works ? If yes, STOP. Do NOT complete <input checked="" type="checkbox"/> No Form 1. Complete Form 2A.	1.1.2	Is the facility a new or existing treatment works treating domestic sewage ? If yes, STOP. Do NOT <input checked="" type="checkbox"/> No complete Form 1. Complete Form 2S.
	1.2 Applicants Required to Submit Form 1			
	1.2.1	Is the facility a concentrated animal feeding operation or a concentrated aquatic animal production facility ? <input type="checkbox"/> Yes → Complete Form 1 <input checked="" type="checkbox"/> No and Form 2B.	1.2.2	Is the facility an existing manufacturing, commercial, mining, or silvicultural facility that is currently discharging process wastewater ? <input type="checkbox"/> Yes → Complete Form <input checked="" type="checkbox"/> No 1 and Form 2C.
	1.2.3	Is the facility a new manufacturing, commercial, mining, or silvicultural facility that has not yet commenced to discharge ? <input type="checkbox"/> Yes → Complete Form 1 <input checked="" type="checkbox"/> No and Form 2D.	1.2.4	Is the facility a new or existing manufacturing, commercial, mining, or silvicultural facility that discharges only nonprocess wastewater ? <input type="checkbox"/> Yes → Complete Form <input checked="" type="checkbox"/> No 1 and Form 2E.
	1.2.5	Is the facility a new or existing facility whose discharge is composed entirely of stormwater associated with industrial activity or whose discharge is composed of both stormwater and non-stormwater ? <input checked="" type="checkbox"/> Yes → Complete Form 1 <input type="checkbox"/> No and Form 2F unless exempted by 40 CFR 122.26(b)(14)(x) or (b)(15).		

SECTION 2. NAME, MAILING ADDRESS, AND LOCATION (40 CFR 122.21(f)(2))

Name, Mailing Address, and Location	2.1 Facility Name		
	Widows Creek		
	2.2 EPA Identification Number		
	AL8650006690		
	2.3 Facility Contact		
	Name (first and last) Micheal Turnbow	Title VP, Civil Projects, ESS & CCP	Phone number (423) 751-3031
	Email address msturnbow@tva.gov		
2.4 Facility Mailing Address			
Street or P.O. box P.O. Box 2000			
City or town Stevenson	State AL	ZIP code 35772	

Name, Mailing Address, and Location Continued	2.5	Facility Location		
	Street, route number, or other specific identifier 2800 Steam Plant RD			
	County name Jackson		County code (if known)	
	City or town Stevenson		State AL	ZIP code 35772

SECTION 3. SIC AND NAICS CODES (40 CFR 122.21(f)(3))

SIC and NAICS Codes	3.1	SIC Code(s)		Description (optional)
		4911		
	3.2	NAICS Code(s)		Description (optional)
		221118		

SECTION 4. OPERATOR INFORMATION (40 CFR 122.21(f)(4))

Operator Information	4.1	Name of Operator		
	Tennessee Valley Authority			
	4.2	Is the name you listed in Item 4.1 also the owner? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
	4.3	Operator Status <input checked="" type="checkbox"/> Public—federal <input type="checkbox"/> Public—state <input type="checkbox"/> Other public (specify) _____ <input type="checkbox"/> Private <input type="checkbox"/> Other (specify) _____		
Operator Information Continued	4.4	Phone Number of Operator		
	(256) 751-8246			
Operator Information Continued	4.5	Operator Address		
	Street or P.O. Box P.O. Box 2000			
	City or town Stevenson		State AL	ZIP code 35772
	Email address of operator msturnbow@tva.gov			

SECTION 5. INDIAN LAND (40 CFR 122.21(f)(5))

Indian Land	5.1	Is the facility located on Indian Land? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
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EPA Identification Number AL8650006690	NPDES Permit Number AL0003875	Facility Name Widows Creek	Form Approved 03/05/19 OMB No. 2040-0004
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SECTION 6. EXISTING ENVIRONMENTAL PERMITS (40 CFR 122.21(f)(6))

Existing Environmental Permits	6.1	Existing Environmental Permits (check all that apply and print or type the corresponding permit number for each)		
	<input checked="" type="checkbox"/>	NPDES (discharges to surface water) AL0003875	<input checked="" type="checkbox"/>	RCRA (hazardous wastes) AL8640006690
	<input type="checkbox"/>	PSD (air emissions)	<input type="checkbox"/>	Nonattainment program (CAA)
	<input type="checkbox"/>	Ocean dumping (MPRSA)	<input type="checkbox"/>	Dredge or fill (CWA Section 404)
			<input type="checkbox"/>	UIC (underground injection of fluids)
			<input type="checkbox"/>	NESHAPs (CAA)
			<input checked="" type="checkbox"/>	Other (specify) Solid Waste Disposal ALR10AY6

SECTION 7. MAP (40 CFR 122.21(f)(7))

Map	7.1	Have you attached a topographic map containing all required information to this application? (See instructions for specific requirements.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> CAFO—Not Applicable (See requirements in Form 2B.)
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SECTION 8. NATURE OF BUSINESS (40 CFR 122.21(f)(8))

Nature of Business	8.1	Describe the nature of your business. TVA - Widows Creek Facility is a retired fossil plant located between Bridgeport and Stevenson, Alabama, on the west side of Guntersville Reservoir at Tennessee River mile 407.5
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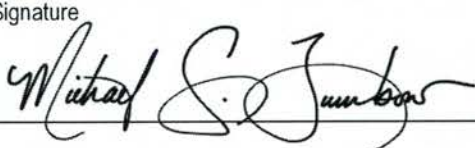
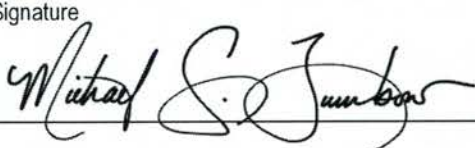
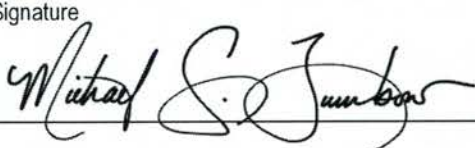
SECTION 9. COOLING WATER INTAKE STRUCTURES (40 CFR 122.21(f)(9))

Cooling Water Intake Structures	9.1	Does your facility use cooling water? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 10.1.
	9.2	Identify the source of cooling water. (Note that facilities that use a cooling water intake structure as described at 40 CFR 125, Subparts I and J may have additional application requirements at 40 CFR 122.21(r). Consult with your NPDES permitting authority to determine what specific information needs to be submitted and when.)

SECTION 10. VARIANCE REQUESTS (40 CFR 122.21(f)(10))


Variance Requests	10.1	Do you intend to request or renew one or more of the variances authorized at 40 CFR 122.21(m)? (Check all that apply. Consult with your NPDES permitting authority to determine what information needs to be submitted and when.)
		<input type="checkbox"/> Fundamentally different factors (CWA Section 301(n)) <input type="checkbox"/> Water quality related effluent limitations (CWA Section 302(b)(2)) <input type="checkbox"/> Non-conventional pollutants (CWA Section 301(c) and (g)) <input type="checkbox"/> Thermal discharges (CWA Section 316(a)) <input checked="" type="checkbox"/> Not applicable

SECTION 11. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement	11.1	In Column 1 below, mark the sections of Form 1 that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to provide attachments.																								
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Column 1</th> <th style="width: 50%; text-align: center;">Column 2</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> Section 1: Activities Requiring an NPDES Permit</td> <td><input type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input checked="" type="checkbox"/> Section 2: Name, Mailing Address, and Location</td> <td><input type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input checked="" type="checkbox"/> Section 3: SIC Codes</td> <td><input type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input checked="" type="checkbox"/> Section 4: Operator Information</td> <td><input type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input checked="" type="checkbox"/> Section 5: Indian Land</td> <td><input type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input checked="" type="checkbox"/> Section 6: Existing Environmental Permits</td> <td><input type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input checked="" type="checkbox"/> Section 7: Map</td> <td><input checked="" type="checkbox"/> w/ topographic map <input type="checkbox"/> w/ additional attachments</td> </tr> <tr> <td><input checked="" type="checkbox"/> Section 8: Nature of Business</td> <td><input type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input checked="" type="checkbox"/> Section 9: Cooling Water Intake Structures</td> <td><input type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input checked="" type="checkbox"/> Section 10: Variance Requests</td> <td><input type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input checked="" type="checkbox"/> Section 11: Checklist and Certification Statement</td> <td><input type="checkbox"/> w/ attachments</td> </tr> </tbody> </table>	Column 1	Column 2	<input checked="" type="checkbox"/> Section 1: Activities Requiring an NPDES Permit	<input type="checkbox"/> w/ attachments	<input checked="" type="checkbox"/> Section 2: Name, Mailing Address, and Location	<input type="checkbox"/> w/ attachments	<input checked="" type="checkbox"/> Section 3: SIC Codes	<input type="checkbox"/> w/ attachments	<input checked="" type="checkbox"/> Section 4: Operator Information	<input type="checkbox"/> w/ attachments	<input checked="" type="checkbox"/> Section 5: Indian Land	<input type="checkbox"/> w/ attachments	<input checked="" type="checkbox"/> Section 6: Existing Environmental Permits	<input type="checkbox"/> w/ attachments	<input checked="" type="checkbox"/> Section 7: Map	<input checked="" type="checkbox"/> w/ topographic map <input type="checkbox"/> w/ additional attachments	<input checked="" type="checkbox"/> Section 8: Nature of Business	<input type="checkbox"/> w/ attachments	<input checked="" type="checkbox"/> Section 9: Cooling Water Intake Structures	<input type="checkbox"/> w/ attachments	<input checked="" type="checkbox"/> Section 10: Variance Requests	<input type="checkbox"/> w/ attachments	<input checked="" type="checkbox"/> Section 11: Checklist and Certification Statement	<input type="checkbox"/> w/ attachments
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<input checked="" type="checkbox"/> Section 11: Checklist and Certification Statement	<input type="checkbox"/> w/ attachments																									
11.2	<p>Certification Statement</p> <p><i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Name (print or type first and last name) Michael Turnbow</td> <td style="width: 50%; padding: 5px;">Official title Vice President, Civil Projects & ESS/CCP</td> </tr> <tr> <td style="padding: 5px;">Signature </td> <td style="padding: 5px;">Date signed 01/17/2024</td> </tr> </table>		Name (print or type first and last name) Michael Turnbow	Official title Vice President, Civil Projects & ESS/CCP	Signature 	Date signed 01/17/2024																				
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Form 2C NPDES		U.S. Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURE OPERATIONS
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SECTION 1. OUTFALL LOCATION (40 CFR 122.21(g)(1))

Outfall Location	1.1	Provide information on each of the facility's outfalls in the table below.							
		Outfall Number	Receiving Water Name	Latitude			Longitude		
		007	Widows Creek	34°	54'	4" N	85°	45'	17" W
				°	'	"	°	'	"

SECTION 2. LINE DRAWING (40 CFR 122.21(g)(2))

Line Drawing	2.1	Have you attached a line drawing to this application that shows the water flow through your facility with a water balance? (See instructions for drawing requirements. See Exhibit 2C-1 at end of instructions for example.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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SECTION 3. AVERAGE FLOWS AND TREATMENT (40 CFR 122.21(g)(3))

Average Flows and Treatment	3.1	For each outfall identified under Item 1.1, provide average flow and treatment information. Add additional sheets if necessary.		
		Outfall Number 007		
		Operations Contributing to Flow		
		Operation	Average Flow	
		Process Water Pond	5.427 mgd	
		(a) stormwater from ash pond complex (closed)	[4.657] mgd	
		(b) CCR Unit Leachate	[0.036] mgd	
		(c) stormwater from switchyard/ closed ash disposal area and	[0.55] mgd	
		Treatment Units		
		Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge
	Discharge to surface water	4-A		
	Settling	1-U		
	Neutrtrilization/ pH adjustment	2-K		

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Average Flows and Treatment Continued	3.1 cont.	**Outfall Number** _____			
		Operations Contributing to Flow			
		Operation	Average Flow		
					mgd
					mgd
					mgd
					mgd
		Treatment Units			
		Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge	
		Outfall Number _____			
		Operations Contributing to Flow			
	Operation	Average Flow			
				mgd	
				mgd	
				mgd	
				mgd	
Treatment Units					
Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge			
System Users	3.2	Are you applying for an NPDES permit to operate a privately owned treatment works? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 4.			
	3.3	Have you attached a list that identifies each user of the treatment works? <input type="checkbox"/> Yes <input type="checkbox"/> No			

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SECTION 4. INTERMITTENT FLOWS (40 CFR 122.21(g)(4))

Intermittent Flows	4.1	Except for storm runoff, leaks, or spills, are any discharges described in Sections 1 and 3 intermittent or seasonal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 5.						
	4.2	Provide information on intermittent or seasonal flows for each applicable outfall. Attach additional pages, if necessary.						
		Outfall Number	Operation (list)	Frequency		Flow Rate		Duration
				Average Days/Week	Average Months/Year	Long-Term Average	Maximum Daily	
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
			days/week	months/year	mgd	mgd	days	

SECTION 5. PRODUCTION (40 CFR 122.21(g)(5))

Applicable ELGs	5.1	Do any effluent limitation guidelines (ELGs) promulgated by EPA under Section 304 of the CWA apply to your facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 6.					
	5.2	Provide the following information on applicable ELGs.					
		ELG Category	ELG Subcategory			Regulatory Citation	
Production-Based Limitations	5.3	Are any of the applicable ELGs expressed in terms of production (or other measure of operation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 6.					
	5.4	Provide an actual measure of daily production expressed in terms and units of applicable ELGs.					
		Outfall Number	Operation, Product, or Material			Quantity per Day	Unit of Measure

SECTION 6. IMPROVEMENTS (40 CFR 122.21(g)(6))

Upgrades and Improvements	6.1	Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 6.3.			
	6.2	Briefly identify each applicable project in the table below.			
		Brief Identification and Description of Project	Affected Outfalls (list outfall number)	Source(s) of Discharge	Final Compliance Dates
					Required Projected
	6.3	Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or planned? (optional item) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable			

SECTION 7. EFFLUENT AND INTAKE CHARACTERISTICS (40 CFR 122.21(g)(7))

Effluent and Intake Characteristics	See the instructions to determine the pollutants and parameters you are required to monitor and, in turn, the tables you must complete. Not all applicants need to complete each table.				
	Table A. Conventional and Non-Conventional Pollutants				
	7.1	Are you requesting a waiver from your NPDES permitting authority for one or more of the Table A pollutants for any of your outfalls? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 7.3.			
	7.2	If yes, indicate the applicable outfalls below. Attach waiver request and other required information to the application. Outfall Number _____ Outfall Number _____ Outfall Number _____			
	7.3	Have you completed monitoring for all Table A pollutants at each of your outfalls for which a waiver has not been requested and attached the results to this application package? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No; a waiver has been requested from my NPDES permitting authority for all pollutants at all outfalls.			
	Table B. Toxic Metals, Cyanide, Total Phenols, and Organic Toxic Pollutants				
	7.4	Do any of the facility's processes that contribute wastewater fall into one or more of the primary industry categories listed in Exhibit 2C-3? (See end of instructions for exhibit.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 7.8.			
	7.5	Have you checked "Testing Required" for all toxic metals, cyanide, and total phenols in Section 1 of Table B? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	7.6	List the applicable primary industry categories and check the boxes indicating the required GC/MS fraction(s) identified in Exhibit 2C-3.			
		Primary Industry Category	Required GC/MS Fraction(s) (Check applicable boxes.)		
	Steam Electric Power Plant	<input checked="" type="checkbox"/> Volatile	<input checked="" type="checkbox"/> Acid	<input type="checkbox"/> Base/Neutral <input type="checkbox"/> Pesticide	
		<input type="checkbox"/> Volatile	<input type="checkbox"/> Acid	<input type="checkbox"/> Base/Neutral <input type="checkbox"/> Pesticide	
		<input type="checkbox"/> Volatile	<input type="checkbox"/> Acid	<input type="checkbox"/> Base/Neutral <input type="checkbox"/> Pesticide	

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Effluent and Intake Characteristics Continued

7.7	Have you checked "Testing Required" for all required pollutants in Sections 2 through 5 of Table B for each of the GC/MS fractions checked in Item 7.6? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.8	Have you checked "Believed Present" or "Believed Absent" for all pollutants listed in Sections 1 through 5 of Table B where testing is not required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.9	Have you provided (1) quantitative data for those Section 1, Table B, pollutants for which you have indicated testing is required or (2) quantitative data or other required information for those Section 1, Table B, pollutants that you have indicated are "Believed Present" in your discharge? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.10	Does the applicant qualify for a small business exemption under the criteria specified in the instructions? <input type="checkbox"/> Yes → Note that you qualify at the top of Table B, then SKIP to Item 7.12. <input checked="" type="checkbox"/> No
7.11	Have you provided (1) quantitative data for those Sections 2 through 5, Table B, pollutants for which you have determined testing is required or (2) quantitative data or an explanation for those Sections 2 through 5, Table B, pollutants you have indicated are "Believed Present" in your discharge? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Table C. Certain Conventional and Non-Conventional Pollutants	
7.12	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed on Table C for all outfalls? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.13	Have you completed Table C by providing (1) quantitative data for those pollutants that are limited either directly or indirectly in an ELG and/or (2) quantitative data or an explanation for those pollutants for which you have indicated "Believed Present"? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Table D. Certain Hazardous Substances and Asbestos	
7.14	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table D for all outfalls? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.15	Have you completed Table D by (1) describing the reasons the applicable pollutants are expected to be discharged and (2) by providing quantitative data, if available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Table E. 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (2,3,7,8-TCDD)	
7.16	Does the facility use or manufacture one or more of the 2,3,7,8-TCDD congeners listed in the instructions, or do you know or have reason to believe that TCDD is or may be present in the effluent? <input type="checkbox"/> Yes → Complete Table E. <input checked="" type="checkbox"/> No → SKIP to Section 8.
7.17	Have you completed Table E by reporting <i>qualitative</i> data for TCDD? <input type="checkbox"/> Yes <input type="checkbox"/> No

SECTION 8. USED OR MANUFACTURED TOXICS (40 CFR 122.21(g)(9))

Used or Manufactured Toxics

8.1	Is any pollutant listed in Table B a substance or a component of a substance used or manufactured at your facility as an intermediate or final product or byproduct? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 9.	
8.2	List the pollutants below.	
1.	4.	7.
2.	5.	8.
3.	6.	9.

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SECTION 9. BIOLOGICAL TOXICITY TESTS (40 CFR 122.21(g)(11))

Biological Toxicity Tests

9.1 Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made within the last three years on (1) any of your discharges or (2) on a receiving water in relation to your discharge?
 Yes No → SKIP to Section 10.

9.2 Identify the tests and their purposes below.

Test(s)	Purpose of Test(s)	Submitted to NPDES Permitting Authority?		Date Submitted
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	

SECTION 10. CONTRACT ANALYSES (40 CFR 122.21(g)(12))

Contract Analyses

10.1 Were any of the analyses reported in Section 7 performed by a contract laboratory or consulting firm?
 Yes No → SKIP to Section 11.

10.2 Provide information for each contract laboratory or consulting firm below.

	Laboratory Number 1	Laboratory Number 2	Laboratory Number 3
Name of laboratory/firm	Pace Analytical National	Southern Environmental Testing	
Laboratory address	12065 Lebanon RD Mount Juliet, TN 37122	2919 Fairground RD SW Decatur, AL 35603	
Phone number	(615) 758-5858	(256) 350-0846	
Pollutant(s) analyzed	All parameter except Fecal coliform	Fecal coliform	

SECTION 11. ADDITIONAL INFORMATION (40 CFR 122.21(g)(13))

Additional Information

11.1 Has the NPDES permitting authority requested additional information?
 Yes No → SKIP to Section 12.

11.2 List the information requested and attach it to this application.

1.	4.
2.	5.
3.	6.

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SECTION 12. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

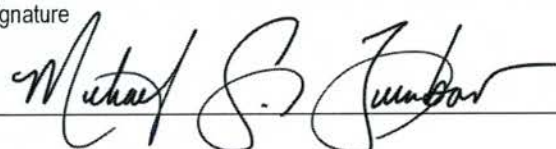
Checklist and Certification Statement

12.1	In Column 1 below, mark the sections of Form 2C that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.		
	Column 1	Column 2	
	<input checked="" type="checkbox"/> Section 1: Outfall Location	<input type="checkbox"/> w/ attachments	
	<input checked="" type="checkbox"/> Section 2: Line Drawing	<input checked="" type="checkbox"/> w/ line drawing <input type="checkbox"/> w/ additional attachments	
	<input checked="" type="checkbox"/> Section 3: Average Flows and Treatment	<input type="checkbox"/> w/ attachments <input type="checkbox"/> w/ list of each user of privately owned treatment works	
	<input checked="" type="checkbox"/> Section 4: Intermittent Flows	<input type="checkbox"/> w/ attachments	
	<input checked="" type="checkbox"/> Section 5: Production	<input type="checkbox"/> w/ attachments	
	<input checked="" type="checkbox"/> Section 6: Improvements	<input type="checkbox"/> w/ attachments <input type="checkbox"/> w/ optional additional sheets describing any additional pollution control plans	
	<input checked="" type="checkbox"/> Section 7: Effluent and Intake Characteristics	<input type="checkbox"/> w/ request for a waiver and supporting information	<input type="checkbox"/> w/ explanation for identical outfalls
		<input type="checkbox"/> w/ small business exemption request	<input type="checkbox"/> w/ other attachments
		<input checked="" type="checkbox"/> w/ Table A	<input checked="" type="checkbox"/> w/ Table B
		<input checked="" type="checkbox"/> w/ Table C	<input checked="" type="checkbox"/> w/ Table D
		<input type="checkbox"/> w/ Table E	<input type="checkbox"/> w/ analytical results as an attachment
<input checked="" type="checkbox"/> Section 8: Used or Manufactured Toxics	<input type="checkbox"/> w/ attachments		
<input checked="" type="checkbox"/> Section 9: Biological Toxicity Tests	<input type="checkbox"/> w/ attachments		
<input checked="" type="checkbox"/> Section 10: Contract Analyses	<input type="checkbox"/> w/ attachments		
<input checked="" type="checkbox"/> Section 11: Additional Information	<input type="checkbox"/> w/ attachments		
<input checked="" type="checkbox"/> Section 12: Checklist and Certification Statement	<input type="checkbox"/> w/ attachments		

12.2 **Certification Statement**

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

Name (print or type first and last name)	Official title
Micheal Turnbow	VP, Civil Projects, ESS & CCP

Signature	Date signed
	01/17/2024

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name Widows Creek	Outfall Number 007
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TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii))¹

Pollutant	Waiver Requested (if applicable)	Units (specify)	Effluent				Intake (Optional)	
			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
<input type="checkbox"/> Check here if you have applied to your NPDES permitting authority for a waiver for <i>all</i> of the pollutants listed on this table for the noted outfall.								
1. Biochemical oxygen demand (BOD ₅)	<input type="checkbox"/>	Concentration						
		Mass						
2. Chemical oxygen demand (COD)	<input type="checkbox"/>	Concentration						
		Mass						
3. Total organic carbon (TOC)	<input type="checkbox"/>	Concentration		Pending	Lab	Analysis		
		Mass						
4. Total suspended solids (TSS)	<input type="checkbox"/>	Concentration						
		Mass						
5. Ammonia (as N)	<input type="checkbox"/>	Concentration						
		Mass						
6. Flow	<input type="checkbox"/>	Rate						
7.	<input type="checkbox"/>	Temperature (winter)	°C	°C				
	<input type="checkbox"/>	Temperature (summer)	°C	°C				
8.	<input type="checkbox"/>	pH (minimum)	Standard units	s.u.				
	<input type="checkbox"/>	pH (maximum)	Standard units	s.u.				

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
<input type="checkbox"/>	Check here if you qualify as a small business per the instructions to Form 2C and, therefore, do not need to submit quantitative data for any of the organic toxic pollutants in Sections 2 through 5 of this table. Note, however, that you must still indicate in the appropriate column of this table if you believe any of the pollutants listed are present in your discharge.									

Section 1. Toxic Metals, Cyanide, and Total Phenols

1.1	Antimony, total (7440-36-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
1.2	Arsenic, total (7440-38-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
1.3	Beryllium, total (7440-41-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
1.4	Cadmium, total (7440-43-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	Pending	Lab	Anaylsis			
					Mass						
1.5	Chromium, total (7440-47-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
1.6	Copper, total (7440-50-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
1.7	Lead, total (7439-92-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
1.8	Mercury, total (7439-97-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
1.9	Nickel, total (7440-02-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
1.10	Selenium, total (7782-49-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
1.11	Silver, total (7440-22-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
1.12	Thallium, total (7440-28-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
1.13	Zinc, total (7440-66-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
1.14	Cyanide, total (57-12-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
1.15	Phenols, total	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						

Section 2. Organic Toxic Pollutants (GC/MS Fraction—Volatile Compounds)

2.1	Acrolein (107-02-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.2	Acrylonitrile (107-13-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass	Pending	Lab	Anaylsis			
2.3	Benzene (71-43-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.4	Bromoform (75-25-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.5	Carbon tetrachloride (56-23-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.6	Chlorobenzene (108-90-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.7	Chlorodibromomethane (124-48-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.8	Chloroethane (75-00-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.9	2-chloroethylvinyl ether (110-75-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.10	Chloroform (67-66-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.11	Dichlorobromomethane (75-27-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.12	1,1-dichloroethane (75-34-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.13	1,2-dichloroethane (107-06-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.14	1,1-dichloroethylene (75-35-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	Pending	Lab	Anaylsis			
					Mass						
2.15	1,2-dichloropropane (78-87-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.16	1,3-dichloropropylene (542-75-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.17	Ethylbenzene (100-41-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.18	Methyl bromide (74-83-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.19	Methyl chloride (74-87-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.20	Methylene chloride (75-09-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.21	1,1,2,2- tetrachloroethane (79-34-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v)) ¹											
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.22	Tetrachloroethylene (127-18-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.23	Toluene (108-88-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.24	1,2-trans-dichloroethylene (156-60-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.25	1,1,1-trichloroethane (71-55-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass	Pending	Lab	Anaylsis			
2.26	1,1,2-trichloroethane (79-00-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.27	Trichloroethylene (79-01-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
2.28	Vinyl chloride (75-01-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
Section 3. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)											
3.1	2-chlorophenol (95-57-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
3.2	2,4-dichlorophenol (120-83-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
3.3	2,4-dimethylphenol (105-67-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
3.4	4,6-dinitro-o-cresol (534-52-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
3.5	2,4-dinitrophenol (51-28-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)		
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
3.6	2-nitrophenol (88-75-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
3.7	4-nitrophenol (100-02-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
3.8	p-chloro-m-cresol (59-50-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
3.9	Pentachlorophenol (87-86-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass			Pending	Lab	Anaylsis		
3.10	Phenol (108-95-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
3.11	2,4,6-trichlorophenol (88-05-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
Section 4. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)												
4.1	Acenaphthene (83-32-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.2	Acenaphthylene (208-96-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.3	Anthracene (120-12-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.4	Benzidine (92-87-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.5	Benzo (a) anthracene (56-55-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.6	Benzo (a) pyrene (50-32-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v)) ¹											
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7	3,4-benzofluoranthene (205-99-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.8	Benzo (ghi) perylene (191-24-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.9	Benzo (k) fluoranthene (207-08-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.10	Bis (2-chloroethoxy) methane (111-91-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.11	Bis (2-chloroethyl) ether (111-44-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.12	Bis (2-chloroisopropyl) ether (102-80-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass	Pending	Lab	Anaylsis			
4.13	Bis (2-ethylhexyl) phthalate (117-81-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.14	4-bromophenyl phenyl ether (101-55-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.15	Butyl benzyl phthalate (85-68-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.16	2-chloronaphthalene (91-58-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.17	4-chlorophenyl phenyl ether (7005-72-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.18	Chrysene (218-01-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.19	Dibenzo (a,h) anthracene (53-70-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)		
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
4.20	1,2-dichlorobenzene (95-50-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.21	1,3-dichlorobenzene (541-73-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.22	1,4-dichlorobenzene (106-46-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.23	3,3-dichlorobenzidine (91-94-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.24	Diethyl phthalate (84-66-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.25	Dimethyl phthalate (131-11-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass	Pending	Lab	Anaylsis				
4.26	Di-n-butyl phthalate (84-74-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.27	2,4-dinitrotoluene (121-14-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.28	2,6-dinitrotoluene (606-20-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.29	Di-n-octyl phthalate (117-84-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.30	1,2-Diphenylhydrazine (as azobenzene) (122-66-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.31	Fluoranthene (206-44-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							
4.32	Fluorene (86-73-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration							
					Mass							

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.33	Hexachlorobenzene (118-74-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.34	Hexachlorobutadiene (87-68-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.35	Hexachlorocyclopentadiene (77-47-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.36	Hexachloroethane (67-72-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.37	Indeno (1,2,3-cd) pyrene (193-39-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.38	Isophorone (78-59-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass	Pending	Lab	Anaylsis			
4.39	Naphthalene (91-20-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.40	Nitrobenzene (98-95-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.41	N-nitrosodimethylamine (62-75-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.42	N-nitrosodi-n-propylamine (621-64-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.43	N-nitrosodiphenylamine (86-30-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.44	Phenanthrene (85-01-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
4.45	Pyrene (129-00-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)		
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
4.46	1,2,4-trichlorobenzene (120-82-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration Mass							
Section 5. Organic Toxic Pollutants (GC/MS Fraction—Pesticides)												
5.1	Aldrin (309-00-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration Mass							
5.2	α-BHC (319-84-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration Mass							
5.3	β-BHC (319-85-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration Mass							
5.4	γ-BHC (58-89-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration Mass		Pending	Lab	Anaylsis			
5.5	δ-BHC (319-86-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration Mass							
5.6	Chlordane (57-74-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration Mass							
5.7	4,4'-DDT (50-29-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration Mass							
5.8	4,4'-DDE (72-55-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration Mass							
5.9	4,4'-DDD (72-54-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration Mass							
5.10	Dieldrin (60-57-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration Mass							
5.11	α-endosulfan (115-29-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration Mass							

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.12	β-endosulfan (115-29-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
5.13	Endosulfan sulfate (1031-07-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
5.14	Endrin (72-20-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
5.15	Endrin aldehyde (7421-93-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
5.16	Heptachlor (76-44-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
5.17	Heptachlor epoxide (1024-57-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	Pending	Lab	Anaylsis			
					Mass						
5.18	PCB-1242 (53469-21-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
5.19	PCB-1254 (11097-69-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
5.20	PCB-1221 (11104-28-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
5.21	PCB-1232 (11141-16-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
5.22	PCB-1248 (12672-29-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
5.23	PCB-1260 (11096-82-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						
5.24	PCB-1016 (12674-11-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
					Mass						

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.25	Toxaphene (8001-35-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration		Pending	Lab	Anaylsis		
					Mass						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
<input type="checkbox"/> Check here if you believe all pollutants on Table C to be present in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.									
<input type="checkbox"/> Check here if you believe all pollutants on Table C to be absent in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.									
1. Bromide (24959-67-9)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
			Mass						
2. Chlorine, total residual	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
			Mass						
3. Color	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
			Mass						
4. Fecal coliform	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	Pending	Lab	Anaylsis			
			Mass						
5. Fluoride (16984-48-8)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
			Mass						
6. Nitrate-nitrite	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
			Mass						
7. Nitrogen, total organic (as N)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
			Mass						
8. Oil and grease	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
			Mass						
9. Phosphorus (as P), total (7723-14-0)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
			Mass						
10. Sulfate (as SO ₄) (14808-79-8)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
			Mass						
11. Sulfide (as S)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
			Mass						

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TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

	Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
12.	Sulfite (as SO ₃) (14265-45-3)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
				Mass						
13.	Surfactants	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
				Mass						
14.	Aluminum, total (7429-90-5)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
				Mass						
15.	Barium, total (7440-39-3)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
				Mass						
16.	Boron, total (7440-42-8)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	Pending	Lab	Anaylsis			
				Mass						
17.	Cobalt, total (7440-48-4)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
				Mass						
18.	Iron, total (7439-89-6)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
				Mass						
19.	Magnesium, total (7439-95-4)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
				Mass						
20.	Molybdenum, total (7439-98-7)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
				Mass						
21.	Manganese, total (7439-96-5)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
				Mass						
22.	Tin, total (7440-31-5)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
				Mass						
23.	Titanium, total (7440-32-6)	<input type="checkbox"/>	<input type="checkbox"/>	Concentration						
				Mass						

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TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
24. Radioactivity									
Alpha, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
Beta, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
Radium, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
Radium 226, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
1.	Asbestos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
2.	Acetaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
3.	Allyl alcohol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.	Allyl chloride	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
5.	Amyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
6.	Aniline	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
7.	Benzonitrile	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
8.	Benzyl chloride	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
9.	Butyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
10.	Butylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
11.	Captan	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
12.	Carbaryl	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
13.	Carbofuran	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
14.	Carbon disulfide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
15.	Chlorpyrifos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
16.	Coumaphos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
17.	Cresol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
18.	Crotonaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
19.	Cyclohexane	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
20.	2,4-D (2,4-dichlorophenoxyacetic acid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
21.	Diazinon	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
22.	Dicamba	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
23.	Dichlobenil	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
24.	Dichlone	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
25.	2,2-dichloropropionic acid	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
26.	Dichlorvos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
27.	Diethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
28.	Dimethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
29.	Dinitrobenzene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
30.	Diquat	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
31.	Disulfoton	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
32.	Diuron	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
33.	Epichlorohydrin	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
34.	Ethion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
35.	Ethylene diamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
36.	Ethylene dibromide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
37.	Formaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
38.	Furfural	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
39.	Guthion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
40.	Isoprene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
41.	Isopropanolamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
42.	Kelthane	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
43.	Kepone	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
44.	Malathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
45.	Mercaptodimethur	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
46.	Methoxychlor	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
47.	Methyl mercaptan	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
48.	Methyl methacrylate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
49.	Methyl parathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
50.	Mevinphos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
51.	Mexacarbate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
52.	Monoethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
53.	Monomethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
54.	Naled	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
55.	Naphthenic acid	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
56.	Nitrotoluene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
57.	Parathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
58.	Phenolsulfonate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
59.	Phosgene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
60.	Propargite	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
61.	Propylene oxide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
62.	Pyrethrins	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
63.	Quinoline	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
64.	Resorcinol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
65.	Strontium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
66.	Strychnine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
67.	Styrene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
69.	TDE (tetrachlorodiphenyl ethane)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
71.	Trichlorofon	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
72.	Triethanolamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
73.	Triethylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
74.	Trimethylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
75.	Uranium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
76.	Vanadium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
77.	Vinyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
78.	Xylene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
79.	Xylenol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
80.	Zirconium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE E. 2,3,7,8 TETRACHLORODIBENZO P DIOXIN (2,3,7,8 TCDD) (40 CFR 122.21(g)(7)(viii))

Pollutant	TCDD Congeners Used or Manufactured	Presence or Absence (check one)		Results of Screening Procedure
		Believed Present	Believed Absent	
2,3,7,8-TCDD	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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Form 2F NPDES		U.S Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY
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SECTION 1. OUTFALL LOCATION (40 CFR 122.21(g)(1))

Outfall Location	1.1	Provide information on each of the facility's outfalls in the table below			
		Outfall Number	Receiving Water Name	Latitude	Longitude
			See Attachment 1	° ' "	° ' "
				° ' "	° ' "
				° ' "	° ' "
				° ' "	° ' "
				° ' "	° ' "
				° ' "	° ' "

SECTION 2. IMPROVEMENTS (40 CFR 122.21(g)(6))

Improvements	2.1	Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 3.			
	2.2	Briefly identify each applicable project in the table below.			
		Brief Identification and Description of Project	Affected Outfalls (list outfall numbers)	Source(s) of Discharge	Final Compliance Dates
					Required Projected
2.3	Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or planned? (Optional Item) <input type="checkbox"/> Yes <input type="checkbox"/> No				

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SECTION 3. SITE DRAINAGE MAP (40 CFR 122.26(c)(1)(i)(A))

Site Drainage Map	3.1	Have you attached a site drainage map containing all required information to this application? (See instructions for specific guidance.)
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

SECTION 4. POLLUTANT SOURCES (40 CFR 122.26(c)(1)(i)(B))

Pollutant Sources	4.1	Provide information on the facility's pollutant sources in the table below.																					
		<table border="1"> <thead> <tr> <th>Outfall Number</th> <th>Impervious Surface Area (within a mile radius of the facility)</th> <th>Total Surface Area Drained (within a mile radius of the facility)</th> </tr> </thead> <tbody> <tr> <td></td> <td>See Attachment 1</td> <td><i>specify units</i></td> </tr> <tr> <td></td> <td></td> <td><i>specify units</i></td> </tr> <tr> <td></td> <td></td> <td><i>specify units</i></td> </tr> <tr> <td></td> <td></td> <td><i>specify units</i></td> </tr> <tr> <td></td> <td></td> <td><i>specify units</i></td> </tr> <tr> <td></td> <td></td> <td><i>specify units</i></td> </tr> </tbody> </table>	Outfall Number	Impervious Surface Area (within a mile radius of the facility)	Total Surface Area Drained (within a mile radius of the facility)		See Attachment 1	<i>specify units</i>			<i>specify units</i>			<i>specify units</i>			<i>specify units</i>			<i>specify units</i>			<i>specify units</i>
	Outfall Number	Impervious Surface Area (within a mile radius of the facility)	Total Surface Area Drained (within a mile radius of the facility)																				
		See Attachment 1	<i>specify units</i>																				
			<i>specify units</i>																				
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			<i>specify units</i>																				
			<i>specify units</i>																				
	4.2	<p>Provide a narrative description of the facility's significant material in the space below. (See instructions for content requirements.)</p> <p>Drainage from the former fuel oil storage tanks and equipment maintenance areas are routed to the Process Water Basin (DSN 007). The WCF Integrated Pollution Prevention (IPP) Plan lists measures for oil spill prevention, containment, and clean up. All lawn areas around buildings are fertilized annually. In addition, small quantities of pesticides are applied for rodent and insect control. Herbicides are applied in the switch yard and transformer yard; in the fuel storage secondary containment area; and along fence rows, oil pipelines, and railroad tracks several times a year. All fertilizers, pesticides, and herbicides are applied by TVA or certified contractor personnel according to manufacturer's recommended application rate.</p>																					
4.3	<p>Provide the location and a description of existing structural and non-structural control measures to reduce pollutants in stormwater runoff. (See instructions for specific guidance.)</p> <table border="1"> <thead> <tr> <th colspan="3">Stormwater Treatment</th> </tr> <tr> <th>Outfall Number</th> <th>Control Measures and Treatment</th> <th>Codes from Exhibit 2F-1 (list)</th> </tr> </thead> <tbody> <tr> <td>006</td> <td>Constructed Wetlands</td> <td>X-X</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Stormwater Treatment			Outfall Number	Control Measures and Treatment	Codes from Exhibit 2F-1 (list)	006	Constructed Wetlands	X-X													
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NPDES Permit Number
AL0003875

Facility Name
Widows Creek

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SECTION 5. NON STORMWATER DISCHARGES (40 CFR 122.26(c)(1)(i)(C))

Non-Stormwater Discharges

5.1 I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-stormwater discharges. Moreover, I certify that the outfalls identified as having non-stormwater discharges are described in either an accompanying NPDES Form 2C, 2D, or 2E application.

Name (print or type first and last name)

Micheal Turnbow

Official title

VP, Civil Projects, ESS & CCP

Signature

Date signed

01 / 17 / 2024

5.2 Provide the testing information requested in the table below.

Outfall Number	Description of Testing Method Used	Date(s) of Testing	Onsite Drainage Points Directly Observed During Test
	NA		No Testing

SECTION 6. SIGNIFICANT LEAKS OR SPILLS (40 CFR 122.26(c)(1)(i)(D))

Significant Leaks or Spills

6.1 Describe any significant leaks or spills of toxic or hazardous pollutants in the last three years.
None.

SECTION 7. DISCHARGE INFORMATION (40 CFR 122.26(c)(1)(i)(E))

Discharge Information

See the instructions to determine the pollutants and parameters you are required to monitor and, in turn, the tables you must complete. Not all applicants need to complete each table.

7.1

Is this a new source or new discharge?

Yes → See instructions regarding submission of estimated data.

No → See instructions regarding submission of actual data.

Tables A, B, C, and D

7.2

Have you completed Table A for each outfall?

Yes

No

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Discharge Information Continued

7.3	Is the facility subject to an effluent limitation guideline (ELG) or effluent limitations in an NPDES permit for its process wastewater? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 7.5.
7.4	Have you completed Table B by providing quantitative data for those pollutants that are (1) limited either directly or indirectly in an ELG and/or (2) subject to effluent limitations in an NPDES permit for the facility's process wastewater? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.5	Do you know or have reason to believe any pollutants in Exhibit 2F-2 are present in the discharge? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 7.7.
7.6	Have you listed all pollutants in Exhibit 2F-2 that you know or have reason to believe are present in the discharge and provided quantitative data or an explanation for those pollutants in Table C? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.7	Do you qualify for a small business exemption under the criteria specified in the Instructions? <input type="checkbox"/> Yes → SKIP to Item 7.18. <input checked="" type="checkbox"/> No
7.8	Do you know or have reason to believe any pollutants in Exhibit 2F-3 are present in the discharge? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 7.10.
7.9	Have you listed all pollutants in Exhibit 2F-3 that you know or have reason to believe are present in the discharge in Table C? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.10	Do you expect any of the pollutants in Exhibit 2F-3 to be discharged in concentrations of 10 ppb or greater? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 7.12.
7.11	Have you provided quantitative data in Table C for those pollutants in Exhibit 2F-3 that you expect to be discharged in concentrations of 10 ppb or greater? <input type="checkbox"/> Yes <input type="checkbox"/> No
7.12	Do you expect acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dinitrophenol to be discharged in concentrations of 100 ppb or greater? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 7.14.
7.13	Have you provided quantitative data in Table C for the pollutants identified in Item 7.12 that you expect to be discharged in concentrations of 100 ppb or greater? <input type="checkbox"/> Yes <input type="checkbox"/> No
7.14	Have you provided quantitative data or an explanation in Table C for pollutants you expect to be present in the discharge at concentrations less than 10 ppb (or less than 100 ppb for the pollutants identified in Item 7.12)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.15	Do you know or have reason to believe any pollutants in Exhibit 2F-4 are present in the discharge? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 7.17.
7.16	Have you listed pollutants in Exhibit 2F-4 that you know or believe to be present in the discharge and provided an explanation in Table C? <input type="checkbox"/> Yes <input type="checkbox"/> No
7.17	Have you provided information for the storm event(s) sampled in Table D? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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Discharge Information Continued	Used or Manufactured Toxics		
	7.18	Is any pollutant listed on Exhibits 2F-2 through 2F-4 a substance or a component of a substance used or manufactured as an intermediate or final product or byproduct? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 8.	
	7.19	List the pollutants below, including TCDD if applicable.	
		1. 4. 7.	2. 5. 8.

SECTION 8. BIOLOGICAL TOXICITY TESTING DATA (40 CFR 122.21(g)(11))

Biological Toxicity Testing Data	8.1	Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last three years? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 9.		
	8.2	Identify the tests and their purposes below.		
		Test(s)	Purpose of Test(s)	Submitted to NPDES Permitting Authority?
				<input type="checkbox"/> Yes <input type="checkbox"/> No

SECTION 9. CONTRACT ANALYSIS INFORMATION (40 CFR 122.21(g)(12))

Contract Analysis Information	9.1	Were any of the analyses reported in Section 7 (on Tables A through C) performed by a contract laboratory or consulting firm? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Section 10.		
	9.2	Provide information for each contract laboratory or consulting firm below.		
			Laboratory Number 1	Laboratory Number 2
		Name of laboratory/firm	Pace Analytical National	Southern Environmental Testing
		Laboratory address	12065 Lebanon RD Mount Juliet, TN 37122	2919 Fairground RD SW Decatur, AL 35603

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SECTION 10. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement

10.1	In Column 1 below, mark the sections of Form 2F that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.	
	Column 1	Column 2
	<input checked="" type="checkbox"/> Section 1	<input type="checkbox"/> w/ attachments (e.g., responses for additional outfalls)
	<input checked="" type="checkbox"/> Section 2	<input type="checkbox"/> w/ attachments
	<input checked="" type="checkbox"/> Section 3	<input type="checkbox"/> w/ site drainage map
	<input checked="" type="checkbox"/> Section 4	<input type="checkbox"/> w/ attachments
	<input checked="" type="checkbox"/> Section 5	<input type="checkbox"/> w/ attachments
	<input checked="" type="checkbox"/> Section 6	<input type="checkbox"/> w/ attachments
	<input checked="" type="checkbox"/> Section 7	<input checked="" type="checkbox"/> Table A <input type="checkbox"/> w/ small business exemption request <input checked="" type="checkbox"/> Table B <input type="checkbox"/> w/ analytical results as an attachment <input checked="" type="checkbox"/> Table C <input checked="" type="checkbox"/> Table D
	<input checked="" type="checkbox"/> Section 8	<input type="checkbox"/> w/attachments
	<input checked="" type="checkbox"/> Section 9	<input type="checkbox"/> w/attachments (e.g., responses for additional contact laboratories or firms)
	<input checked="" type="checkbox"/> Section 10	<input type="checkbox"/>
10.2	Certification Statement	
	<i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i>	
	Name (print or type first and last name)	Official title
	Micheal Turnbow	VP, Civil Projects, ESS & CCP
Signature	Date signed	

EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name Widows Creek	Outfall Number 001
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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease						
2. Biochemical oxygen demand (BOD ₅)						
3. Chemical oxygen demand (COD)	Pending	Lab	Anaylsis			
4. Total suspended solids (TSS)						
5. Total phosphorus						
6. Total Kjeldahl nitrogen (TKN)						
7. Total nitrogen (as N)						
8. pH (minimum)						
	pH (maximum)					

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility name Widows Creek	Outfall Number 001
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)

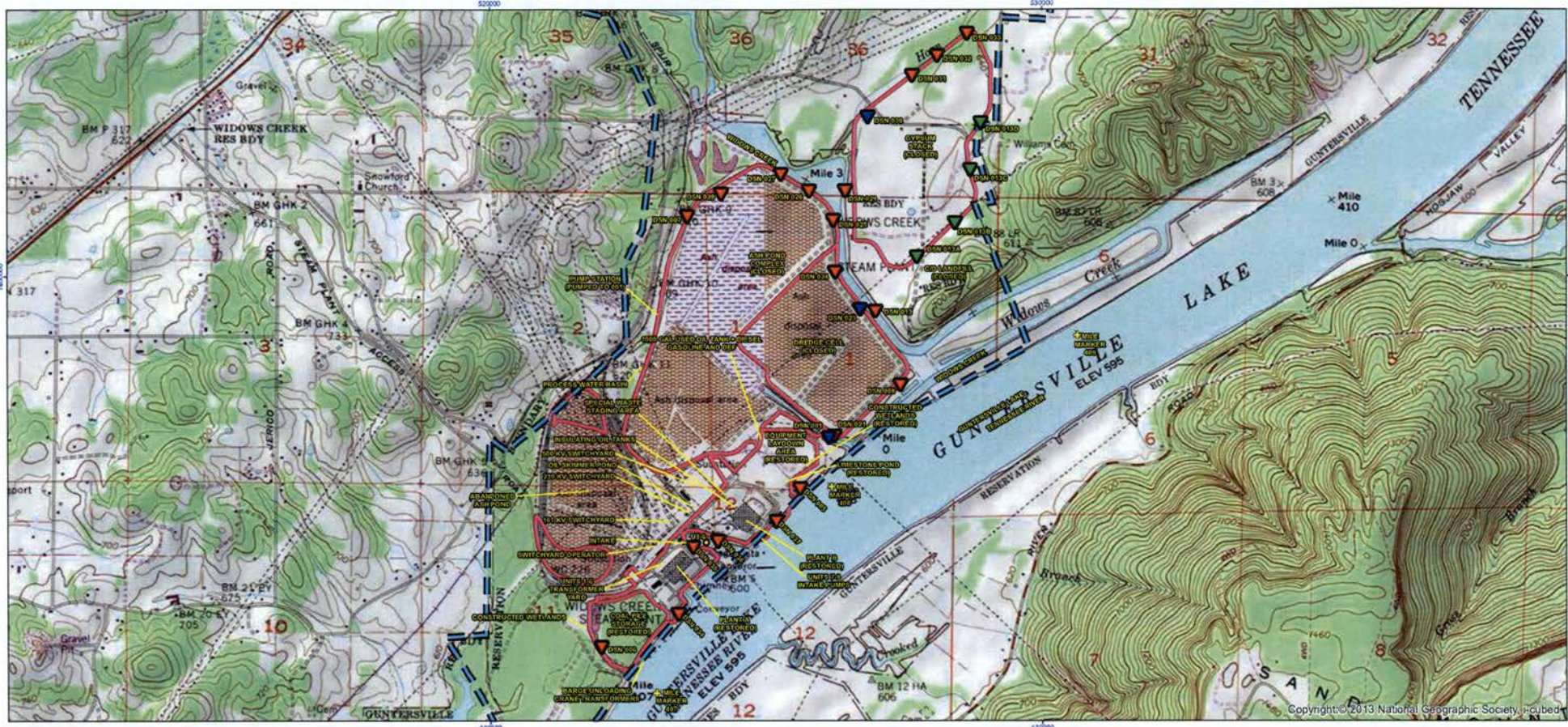
Provide a description of the method of flow measurement or estimate.

TVA - WIDOWS CREEK FACILITY

NPDES PERMT NO. AL0003875

Form 2F Attachment 1

Outfall Name	Latitude	Longitude	Drainage Area (acres)	Area of Impervious Surface (acres)	Receiving Waters
DSN 001	34.889741	-85.745971	116.2	1.1	Tennessee River
DSN 005	34.886970	-85.747746	459.0	10.5	Tennessee River
DSN 006	34.879014	-85.759870	36.6	0.5	Tennessee River
DSN 008	34.892588	-85.741728	13.6	0.6	Widows Creek
DSN 013	34.896659	-85.743718	220.7	4.3	Widows Creek
DSN 021	34.890028	-85.745722	15.8	0.7	Tennessee River
DSN 023	34.896227	-85.744197	24.5	1.1	Widows Creek
DSN 024	34.898041	-85.745722	15.8	0.7	Widows Creek
DSN 025	34.900641	-85.745826	25.5	1.7	Widows Creek
DSN 026	34.902082	-85.747297	23.0	1.9	Widows Creek
DSN 027	34.902918	-85.748993	23.1	1.0	Widows Creek
DSN 028	34.901978	-85.752675	4.9	0.1	Widows Creek
DSN 029	34.902163	-85.744992	31.0	4.2	Widows Creek
DSN 030	34.905927	-85.743848	18.9	2.4	Horn Branch
DSN 031	34.907671	-85.740927	20.7	0.9	Horn Branch
DSN 032	34.908762	-85.739414	7.8	0.4	Horn Branch
DSN 033	34.909774	-85.737880	6.0	0.0	Horn Branch
DSN 034	34.881000	-85.755200	9.0	0.0	Tennessee River
DSN 035	34.884400	-85.749300	11.6	1.7	Tennessee River
DSN 036	34.884700	-85.752897	13.3	0.0	Tennessee River
DSN 037	34.885600	-85.749300	11.7	0.0	Tennessee River



Legend

- Outfall to Receiving Water
- Representative Storm Water Sampling Point
- Internal Outfalls (Drain to DSN 013)
- Mile Marker
- Site Reservation Boundary
- Disturbed Area Boundaries

Notes

- Coordinate System: NAD 1927 StatePlane Alabama East FIPS 0101
- Topographic Map Source: USGS 7.5 Minute DRG



Outfall Name	Latitude	Longitude	Drainage Area (ac)	Area of Impervious (ac)	Receiving Waters
DSN 001	34.882741	-85.749971	156.2	1.1	Tennessee River
DSN 003	34.881679	-85.747768	429.0	80.5	Tennessee River
DSN 006	34.879024	-85.749870	96.6	0.5	Tennessee River
DSN 007	34.901811	-85.754705	88.0	4.8	Widows Creek
DSN 008	34.892688	-85.762728	13.0	0.6	Widows Creek
DSN 013	34.899058	-85.749758	239.7	4.3	Widows Creek
DSN 016	34.898950	-85.752990	14.8	0.3	Widows Creek
DSN 018	34.90381	-85.748219	13.1	0.4	Widows Creek
DSN 019	34.903312	-85.731618	38.8	0.3	Widows Creek
DSN 010	34.905125	-85.737961	6.5	0.1	Widows Creek
DSN 021	34.890268	-85.757232	15.8	0.7	Tennessee River
DSN 031	34.898227	-85.744157	24.5	1.1	Widows Creek
DSN 032	34.890268	-85.760727	15.8	0.7	Widows Creek
DSN 025	34.900541	-85.749520	25.5	1.7	Widows Creek
DSN 026	34.902982	-85.742787	23.0	1.8	Widows Creek
DSN 027	34.904958	-85.749963	23.1	1.0	Widows Creek
DSN 028	34.902678	-85.752675	4.8	0.1	Widows Creek
DSN 029	34.902461	-85.749912	81.0	4.2	Widows Creek
DSN 030	34.907671	-85.749677	18.9	2.8	Horns Branch
DSN 031	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 032	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 033	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 034	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 035	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 036	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 037	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 038	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 039	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 040	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 041	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 042	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 043	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 044	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 045	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 046	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 047	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 048	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 049	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 050	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 051	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 052	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 053	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 054	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 055	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 056	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 057	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 058	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 059	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 060	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 061	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 062	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 063	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 064	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 065	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 066	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 067	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 068	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 069	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 070	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 071	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 072	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 073	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 074	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 075	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 076	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 077	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 078	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 079	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 080	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 081	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 082	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 083	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 084	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 085	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 086	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 087	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 088	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 089	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 090	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 091	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 092	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 093	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 094	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 095	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 096	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 097	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 098	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 099	34.907671	-85.749677	20.7	0.9	Horns Branch
DSN 100	34.907671	-85.749677	20.7	0.9	Horns Branch

Stantec

Project Location
Stevenson, Jackson CO, AL

Client/Project
Tennessee Valley Authority
Widows Creek Facility

Figure No.
1

Title
TVA Widows Creek Facility
NPDES Permit Renewal April 2022

Prepared by CR on 2022-04-21
Technical Review by CF on 2022-04-21
Independent Review by CJ on 2022-04-21

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or preparation of the data.

Lounsberry, Rachel E

From: Phillips, Craig Lee <clphillips@tva.gov>
Sent: Wednesday, April 17, 2024 2:42 PM
To: Lounsberry, Rachel E
Cc: Pearman, Paul Jonathan
Subject: WCF AL0003875 EPA Tables
Attachments: 2F_Combined.pdf; form_2C.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Rachel,

Attached is the EPA tables that we discussed in our recent meeting.


Thanks,

Craig L. Phillips
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Form 2C NPDES		U.S. Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURE OPERATIONS
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SECTION 1. OUTFALL LOCATION (40 CFR 122.21(g)(1))

Outfall Location	1.1	Provide information on each of the facility's outfalls in the table below.			
	Outfall Number	Receiving Water Name	Latitude		Longitude
	007	Widows Creek	34°	54'	4" N
			°	'	"
			°	'	"

SECTION 2. LINE DRAWING (40 CFR 122.21(g)(2))

Line Drawing	2.1	Have you attached a line drawing to this application that shows the water flow through your facility with a water balance? (See instructions for drawing requirements. See Exhibit 2C-1 at end of instructions for example.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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SECTION 3. AVERAGE FLOWS AND TREATMENT (40 CFR 122.21(g)(3))

Average Flows and Treatment	3.1	For each outfall identified under Item 1.1, provide average flow and treatment information. Add additional sheets if necessary.		
	Outfall Number 007			
	Operations Contributing to Flow			
	Operation		Average Flow	
	Process Water Pond		5.427 mgd	
	(a) stormwater from ash pond complex (closed)		[4.657] mgd	
	(b) CCR Unit Leachate		[0.036] mgd	
	(c) stormwater from switchyard/ closed ash disposal area and		[0.55] mgd	
	Treatment Units			
	Description (include size, flow rate through each treatment unit, retention time, etc.)		Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge
	Discharge to surface water		4-A	
	Settling		1-U	
Neurtrilization/ pH adjustment		2-K		

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Average Flows and Treatment Continued	3.1 cont.	**Outfall Number** _____			
		Operations Contributing to Flow			
		Operation	Average Flow		
					mgd
					mgd
					mgd
					mgd
		Treatment Units			
		Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge	
		Outfall Number _____			
		Operations Contributing to Flow			
		Operation	Average Flow		
					mgd
					mgd
					mgd
					mgd
Treatment Units					
Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge			
System Users	3.2	Are you applying for an NPDES permit to operate a privately owned treatment works? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 4.			
	3.3	Have you attached a list that identifies each user of the treatment works? <input type="checkbox"/> Yes <input type="checkbox"/> No			

SECTION 4. INTERMITTENT FLOWS (40 CFR 122.21(g)(4))

Intermittent Flows	4.1	Except for storm runoff, leaks, or spills, are any discharges described in Sections 1 and 3 intermittent or seasonal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 5.						
	4.2	Provide information on intermittent or seasonal flows for each applicable outfall. Attach additional pages, if necessary.						
		Outfall Number	Operation (list)	Frequency		Flow Rate		Duration
				Average Days/Week	Average Months/Year	Long-Term Average	Maximum Daily	
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
			days/week	months/year	mgd	mgd	days	

SECTION 5. PRODUCTION (40 CFR 122.21(g)(5))

Applicable ELGs	5.1	Do any effluent limitation guidelines (ELGs) promulgated by EPA under Section 304 of the CWA apply to your facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 6.			
	5.2	Provide the following information on applicable ELGs.			
		ELG Category	ELG Subcategory	Regulatory Citation	
Production-Based Limitations	5.3	Are any of the applicable ELGs expressed in terms of production (or other measure of operation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 6.			
	5.4	Provide an actual measure of daily production expressed in terms and units of applicable ELGs.			
		Outfall Number	Operation, Product, or Material	Quantity per Day	Unit of Measure

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SECTION 6. IMPROVEMENTS (40 CFR 122.21(g)(6))

Upgrades and Improvements

6.1 Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application?
 Yes No → SKIP to Item 6.3.

6.2 Briefly identify each applicable project in the table below.

Brief Identification and Description of Project	Affected Outfalls (list outfall number)	Source(s) of Discharge	Final Compliance Dates	
			Required	Projected

6.3 Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or planned? (optional item)
 Yes No Not applicable

SECTION 7. EFFLUENT AND INTAKE CHARACTERISTICS (40 CFR 122.21(g)(7))

Effluent and Intake Characteristics

See the instructions to determine the pollutants and parameters you are required to monitor and, in turn, the tables you must complete. Not all applicants need to complete each table.

Table A. Conventional and Non-Conventional Pollutants

7.1 Are you requesting a waiver from your NPDES permitting authority for one or more of the Table A pollutants for any of your outfalls?
 Yes No → SKIP to Item 7.3.

7.2 If yes, indicate the applicable outfalls below. Attach waiver request and other required information to the application.
 Outfall Number _____ Outfall Number _____ Outfall Number _____

7.3 Have you completed monitoring for all Table A pollutants at each of your outfalls for which a waiver has not been requested and attached the results to this application package?
 Yes No; a waiver has been requested from my NPDES permitting authority for all pollutants at all outfalls.

Table B. Toxic Metals, Cyanide, Total Phenols, and Organic Toxic Pollutants

7.4 Do any of the facility's processes that contribute wastewater fall into one or more of the primary industry categories listed in Exhibit 2C-3? (See end of instructions for exhibit.)
 Yes No → SKIP to Item 7.8.

7.5 Have you checked "Testing Required" for all toxic metals, cyanide, and total phenols in Section 1 of Table B?
 Yes No

7.6 List the applicable primary industry categories and check the boxes indicating the required GC/MS fraction(s) identified in Exhibit 2C-3.

Primary Industry Category	Required GC/MS Fraction(s) (Check applicable boxes.)			
Steam Electric Power Plant	<input checked="" type="checkbox"/> Volatile	<input checked="" type="checkbox"/> Acid	<input type="checkbox"/> Base/Neutral	<input type="checkbox"/> Pesticide
	<input type="checkbox"/> Volatile	<input type="checkbox"/> Acid	<input type="checkbox"/> Base/Neutral	<input type="checkbox"/> Pesticide
	<input type="checkbox"/> Volatile	<input type="checkbox"/> Acid	<input type="checkbox"/> Base/Neutral	<input type="checkbox"/> Pesticide

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Effluent and Intake Characteristics Continued

7.7	Have you checked "Testing Required" for all required pollutants in Sections 2 through 5 of Table B for each of the GC/MS fractions checked in Item 7.6? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.8	Have you checked "Believed Present" or "Believed Absent" for all pollutants listed in Sections 1 through 5 of Table B where testing is not required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.9	Have you provided (1) quantitative data for those Section 1, Table B, pollutants for which you have indicated testing is required or (2) quantitative data or other required information for those Section 1, Table B, pollutants that you have indicated are "Believed Present" in your discharge? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.10	Does the applicant qualify for a small business exemption under the criteria specified in the instructions? <input type="checkbox"/> Yes → Note that you qualify at the top of Table B, then SKIP to Item 7.12. <input checked="" type="checkbox"/> No
7.11	Have you provided (1) quantitative data for those Sections 2 through 5, Table B, pollutants for which you have determined testing is required or (2) quantitative data or an explanation for those Sections 2 through 5, Table B, pollutants you have indicated are "Believed Present" in your discharge? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Table C. Certain Conventional and Non-Conventional Pollutants	
7.12	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed on Table C for all outfalls? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.13	Have you completed Table C by providing (1) quantitative data for those pollutants that are limited either directly or indirectly in an ELG and/or (2) quantitative data or an explanation for those pollutants for which you have indicated "Believed Present"? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Table D. Certain Hazardous Substances and Asbestos	
7.14	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table D for all outfalls? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7.15	Have you completed Table D by (1) describing the reasons the applicable pollutants are expected to be discharged and (2) by providing quantitative data, if available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Table E. 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (2,3,7,8-TCDD)	
7.16	Does the facility use or manufacture one or more of the 2,3,7,8-TCDD congeners listed in the instructions, or do you know or have reason to believe that TCDD is or may be present in the effluent? <input type="checkbox"/> Yes → Complete Table E. <input checked="" type="checkbox"/> No → SKIP to Section 8.
7.17	Have you completed Table E by reporting <i>qualitative</i> data for TCDD? <input type="checkbox"/> Yes <input type="checkbox"/> No

SECTION 8. USED OR MANUFACTURED TOXICS (40 CFR 122.21(g)(9))

Used or Manufactured Toxics

8.1	Is any pollutant listed in Table B a substance or a component of a substance used or manufactured at your facility as an intermediate or final product or byproduct? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 9.	
8.2	List the pollutants below.	
1.	4.	7.
2.	5.	8.
3.	6.	9.

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SECTION 9. BIOLOGICAL TOXICITY TESTS (40 CFR 122.21(g)(11))

Biological Toxicity Tests

9.1 Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made within the last three years on (1) any of your discharges or (2) on a receiving water in relation to your discharge?
 Yes No → SKIP to Section 10.

9.2 Identify the tests and their purposes below.

Test(s)	Purpose of Test(s)	Submitted to NPDES Permitting Authority?		Date Submitted
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	

SECTION 10. CONTRACT ANALYSES (40 CFR 122.21(g)(12))

Contract Analyses

10.1 Were any of the analyses reported in Section 7 performed by a contract laboratory or consulting firm?
 Yes No → SKIP to Section 11.

10.2 Provide information for each contract laboratory or consulting firm below.

	Laboratory Number 1	Laboratory Number 2	Laboratory Number 3
Name of laboratory/firm	Pace Analytical National	Southern Environmental Testing	
Laboratory address	12065 Lebanon RD Mount Juliet, TN 37122	2919 Fairground RD SW Decatur, AL 35603	
Phone number	(615) 758-5858	(256) 350-0846	
Pollutant(s) analyzed	All parameter except Fecal coliform	Fecal coliform	

SECTION 11. ADDITIONAL INFORMATION (40 CFR 122.21(g)(13))

Additional Information

11.1 Has the NPDES permitting authority requested additional information?
 Yes No → SKIP to Section 12.

11.2 List the information requested and attach it to this application.

- | | |
|----|----|
| 1. | 4. |
| 2. | 5. |
| 3. | 6. |

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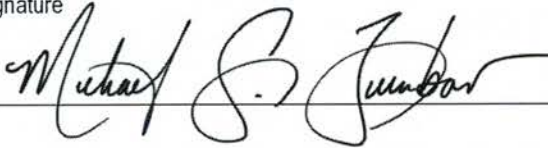
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SECTION 12. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement

12.1	In Column 1 below, mark the sections of Form 2C that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.		
	Column 1	Column 2	
	<input checked="" type="checkbox"/> Section 1: Outfall Location	<input type="checkbox"/> w/ attachments	
	<input checked="" type="checkbox"/> Section 2: Line Drawing	<input checked="" type="checkbox"/> w/ line drawing <input type="checkbox"/> w/ additional attachments	
	<input checked="" type="checkbox"/> Section 3: Average Flows and Treatment	<input type="checkbox"/> w/ attachments <input type="checkbox"/> w/ list of each user of privately owned treatment works	
	<input checked="" type="checkbox"/> Section 4: Intermittent Flows	<input type="checkbox"/> w/ attachments	
	<input checked="" type="checkbox"/> Section 5: Production	<input type="checkbox"/> w/ attachments	
	<input checked="" type="checkbox"/> Section 6: Improvements	<input type="checkbox"/> w/ attachments <input type="checkbox"/> w/ optional additional sheets describing any additional pollution control plans	
	<input checked="" type="checkbox"/> Section 7: Effluent and Intake Characteristics	<input type="checkbox"/> w/ request for a waiver and supporting information	<input type="checkbox"/> w/ explanation for identical outfalls
		<input type="checkbox"/> w/ small business exemption request	<input type="checkbox"/> w/ other attachments
		<input checked="" type="checkbox"/> w/ Table A	<input checked="" type="checkbox"/> w/ Table B
		<input checked="" type="checkbox"/> w/ Table C	<input checked="" type="checkbox"/> w/ Table D
		<input type="checkbox"/> w/ Table E	<input type="checkbox"/> w/ analytical results as an attachment
	<input checked="" type="checkbox"/> Section 8: Used or Manufactured Toxics	<input type="checkbox"/> w/ attachments	
<input checked="" type="checkbox"/> Section 9: Biological Toxicity Tests	<input type="checkbox"/> w/ attachments		
<input checked="" type="checkbox"/> Section 10: Contract Analyses	<input type="checkbox"/> w/ attachments		
<input checked="" type="checkbox"/> Section 11: Additional Information	<input type="checkbox"/> w/ attachments		
<input checked="" type="checkbox"/> Section 12: Checklist and Certification Statement	<input type="checkbox"/> w/ attachments		

12.2	Certification Statement	
	<i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i>	
	Name (print or type first and last name)	Official title
	Micheal Turnbow	VP, Civil Projects, ESS & CCP
	Signature	Date signed
		01/17/2024

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TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii))¹

Pollutant	Waiver Requested (if applicable)	Units (specify)	Effluent				Intake (Optional)	
			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
<input type="checkbox"/> Check here if you have applied to your NPDES permitting authority for a waiver for <i>all</i> of the pollutants listed on this table for the noted outfall.								
1. Biochemical oxygen demand (BOD ₅)	<input type="checkbox"/>	Concentration	mg/L	23.2			1	
		Mass						
2. Chemical oxygen demand (COD)	<input type="checkbox"/>	Concentration	mg/L	20.5			1	
		Mass						
3. Total organic carbon (TOC)	<input type="checkbox"/>	Concentration	mg/L	3.52			1	
		Mass						
4. Total suspended solids (TSS)	<input type="checkbox"/>	Concentration	mg/L	3.10			1	
		Mass						
5. Ammonia (as N)	<input type="checkbox"/>	Concentration	mg/L	<0.250			1	
		Mass						
6. Flow	<input type="checkbox"/>	Rate	MGD	0.380			1	
7. Temperature	<input type="checkbox"/>	°C	°C	8.94			8	
	<input type="checkbox"/>	°C	°C					
8. pH	<input type="checkbox"/>	Standard units	s.u.	7.21			4	
	<input type="checkbox"/>	Standard units	s.u.	8.15			4	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
<input type="checkbox"/> Check here if you qualify as a small business per the instructions to Form 2C and, therefore, do not need to submit quantitative data for any of the organic toxic pollutants in Sections 2 through 5 of this table. Note, however, that you must still indicate in the appropriate column of this table if you believe any of the pollutants listed are present in your discharge.										

Section 1. Toxic Metals, Cyanide, and Total Phenols

1.1	Antimony, total (7440-36-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.005			1	
					Mass						
1.2	Arsenic, total (7440-38-2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.00763			1	
					Mass						
1.3	Beryllium, total (7440-41-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1	
					Mass						
1.4	Cadmium, total (7440-43-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1	
					Mass						
1.5	Chromium, total (7440-47-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.02			1	
					Mass						
1.6	Copper, total (7440-50-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1	
					Mass						
1.7	Lead, total (7439-92-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.002			1	
					Mass						
1.8	Mercury, total (7439-97-6)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ng/L	2.0725			4	
					Mass						
1.9	Nickel, total (7440-02-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.002			1	
					Mass						
1.10	Selenium, total (7782-49-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.002			1	
					Mass						
1.11	Silver, total (7440-22-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1	
					Mass						

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)		
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
1.12	Thallium, total (7440-28-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
1.13	Zinc, total (7440-66-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.02				1		
					Mass								
1.14	Cyanide, total (57-12-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.005				4		
					Mass								
1.15	Phenols, total	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.04				4		
					Mass								
Section 2. Organic Toxic Pollutants (GC/MS Fraction—Volatile Compounds)													
2.1	Acrolein (107-02-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.05				1		
					Mass								
2.2	Acrylonitrile (107-13-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
2.3	Benzene (71-43-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
2.4	Bromoform (75-25-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
2.5	Carbon tetrachloride (56-23-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
2.6	Chlorobenzene (108-90-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
2.7	Chlorodibromomethane (124-48-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
2.8	Chloroethane (75-00-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.005				1		
					Mass								

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)		
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
2.9	2-chloroethylvinyl ether (110-75-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.0500				1		
					Mass								
2.10	Chloroform (67-66-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.005				1		
					Mass								
2.11	Dichlorobromomethane (75-27-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
2.12	1,1-dichloroethane (75-34-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
2.13	1,2-dichloroethane (107-06-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
2.14	1,1-dichloroethylene (75-35-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
2.15	1,2-dichloropropane (78-87-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
2.16	1,3-dichloropropylene (542-75-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
2.17	Ethylbenzene (100-41-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
2.18	Methyl bromide (74-83-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.005				1		
					Mass								
2.19	Methyl chloride (74-87-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.005				1		
					Mass								
2.20	Methylene chloride (75-09-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.005				1		
					Mass								
2.21	1,1,1,2-tetrachloroethane (79-34-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹												
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.22	Tetrachloroethylene (127-18-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1	
					Mass							
2.23	Toluene (108-88-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1	
					Mass							
2.24	1,2-trans-dichloroethylene (156-60-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1	
					Mass							
2.25	1,1,1-trichloroethane (71-55-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1	
					Mass							
2.26	1,1,2-trichloroethane (79-00-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1	
					Mass							
2.27	Trichloroethylene (79-01-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1	
					Mass							
2.28	Vinyl chloride (75-01-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1	
					Mass							
Section 3. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)												
3.1	2-chlorophenol (95-57-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1	
					Mass							
3.2	2,4-dichlorophenol (120-83-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1	
					Mass							
3.3	2,4-dimethylphenol (105-67-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1	
					Mass							
3.4	4,6-dinitro-o-cresol (534-52-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1	
					Mass							
3.5	2,4-dinitrophenol (51-28-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1	
					Mass							

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)		
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses	
3.6	2-nitrophenol (88-75-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
3.7	4-nitrophenol (100-02-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
3.8	p-chloro-m-cresol (59-50-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
3.9	Pentachlorophenol (87-86-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
3.10	Phenol (108-95-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
3.11	2,4,6-trichlorophenol (88-05-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
Section 4. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)													
4.1	Acenaphthene (83-32-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
4.2	Acenaphthylene (208-96-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
4.3	Anthracene (120-12-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
4.4	Benzidine (92-87-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
4.5	Benzo (a) anthracene (56-55-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
4.6	Benzo (a) pyrene (50-32-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7	3,4-benzofluoranthene (205-99-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1		
					Mass							
4.8	Benzo (ghi) perylene (191-24-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1		
					Mass							
4.9	Benzo (k) fluoranthene (207-08-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1		
					Mass							
4.10	Bis (2-chloroethoxy) methane (111-91-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
					Mass							
4.11	Bis (2-chloroethyl) ether (111-44-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
					Mass							
4.12	Bis (2-chloroisopropyl) ether (102-80-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
					Mass							
4.13	Bis (2-ethylhexyl) phthalate (117-81-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.003			1		
					Mass							
4.14	4-bromophenyl phenyl ether (101-55-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
					Mass							
4.15	Butyl benzyl phthalate (85-68-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.003			1		
					Mass							
4.16	2-chloronaphthalene (91-58-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1		
					Mass							
4.17	4-chlorophenyl phenyl ether (7005-72-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
					Mass							
4.18	Chrysene (218-01-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1		
					Mass							
4.19	Dibenzo (a,h) anthracene (53-70-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1		
					Mass							

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)		
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
4.20	1,2-dichlorobenzene (95-50-1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
4.21	1,3-dichlorobenzene (541-73-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
4.22	1,4-dichlorobenzene (106-46-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
4.23	3,3-dichlorobenzidine (91-94-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
4.24	Diethyl phthalate (84-66-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	0.003				1		
					Mass								
4.25	Dimethyl phthalate (131-11-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	0.003				1		
					Mass								
4.26	Di-n-butyl phthalate (84-74-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	0.003				1		
					Mass								
4.27	2,4-dinitrotoluene (121-14-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
4.28	2,6-dinitrotoluene (606-20-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
4.29	Di-n-octyl phthalate (117-84-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.003				1		
					Mass								
4.30	1,2-Diphenylhydrazine (as azobenzene) (122-66-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01				1		
					Mass								
4.31	Fluoranthene (206-44-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								
4.32	Fluorene (86-73-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001				1		
					Mass								

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.33	Hexachlorobenzene (118-74-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1		
					Mass							
4.34	Hexachlorobutadiene (87-68-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
					Mass							
4.35	Hexachlorocyclopentadiene (77-47-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
					Mass							
4.36	Hexachloroethane (67-72-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
					Mass							
4.37	Indeno (1,2,3-cd) pyrene (193-39-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1		
					Mass							
4.38	Isophorone (78-59-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
					Mass							
4.39	Naphthalene (91-20-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1		
					Mass							
4.40	Nitrobenzene (98-95-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
					Mass							
4.41	N-nitrosodimethylamine (62-75-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
					Mass							
4.42	N-nitrosodi-n-propylamine (621-64-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
					Mass							
4.43	N-nitrosodiphenylamine (86-30-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
					Mass							
4.44	Phenanthrene (85-01-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1		
					Mass							
4.45	Pyrene (129-00-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.001			1		
					Mass							

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)		
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
4.46	1,2,4-trichlorobenzene (120-82-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration mg/L	<0.01				1		
Section 5. Organic Toxic Pollutants (GC/MS Fraction—Pesticides)												
5.1	Aldrin (309-00-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.2	α-BHC (319-84-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.3	β-BHC (319-85-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.4	γ-BHC (58-89-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.5	δ-BHC (319-86-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.6	Chlordane (57-74-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.7	4,4'-DDT (50-29-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.8	4,4'-DDE (72-55-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.9	4,4'-DDD (72-54-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.10	Dieldrin (60-57-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.11	α-endosulfan (115-29-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)		
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
5.12	β-endosulfan (115-29-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.13	Endosulfan sulfate (1031-07-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.14	Endrin (72-20-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.15	Endrin aldehyde (7421-93-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.16	Heptachlor (76-44-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.17	Heptachlor epoxide (1024-57-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.18	PCB-1242 (53469-21-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.19	PCB-1254 (11097-69-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.20	PCB-1221 (11104-28-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.21	PCB-1232 (11141-16-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.22	PCB-1248 (12672-29-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.23	PCB-1260 (11096-82-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
5.24	PCB-1016 (12674-11-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))¹

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)		
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
5.25	Toxaphene (8001-35-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
<input type="checkbox"/> Check here if you believe all pollutants on Table C to be present in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.									
<input type="checkbox"/> Check here if you believe all pollutants on Table C to be absent in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for <i>each</i> pollutant.									
1. Bromide (24959-67-9)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.500			1	
			Mass						
2. Chlorine, total residual	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.05			2	
			Mass						
3. Color	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	pcu	10.0			1	
			Mass						
4. Fecal coliform	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	MPN/100r	<1			4	
			Mass						
5. Fluoride (16984-48-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.189			1	
			Mass						
6. Nitrate-nitrite	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.100			1	
			Mass						
7. Nitrogen, total organic (as N)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.250			1	
			Mass						
8. Oil and grease	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<5.56			4	
			Mass						
9. Phosphorus (as P), total (7723-14-0)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.100			1	
			Mass						
10. Sulfate (as SO ₄) (14808-79-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	130			1	
			Mass						
11. Sulfide (as S)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.05			1	
			Mass						

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TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

	Pollutant	Presence or Absence (check one)		Units (specify)		Effluent				Intake (Optional)	
		Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
12.	Sulfite (as SO ₃) (14265-45-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	1.60			4		
				Mass							
13.	Surfactants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.100					
				Mass							
14.	Aluminum, total (7429-90-5)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.100			1		
				Mass							
15.	Barium, total (7440-39-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.0203			1		
				Mass							
16.	Boron, total (7440-42-8)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.564			1		
				Mass							
17.	Cobalt, total (7440-48-4)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.002			1		
				Mass							
18.	Iron, total (7439-89-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.283			1		
				Mass							
19.	Magnesium, total (7439-95-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	5.33			1		
				Mass							
20.	Molybdenum, total (7439-98-7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.00733			1		
				Mass							
21.	Manganese, total (7439-96-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/L	0.0885			1		
				Mass							
22.	Tin, total (7440-31-5)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.004			1		
				Mass							
23.	Titanium, total (7440-32-6)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration	mg/L	<0.01			1		
				Mass							

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TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
24. Radioactivity									
Alpha, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
Beta, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
Radium, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
Radium 226, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
1.	Asbestos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
2.	Acetaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
3.	Allyl alcohol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4.	Allyl chloride	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
5.	Amyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
6.	Aniline	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
7.	Benzonitrile	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
8.	Benzyl chloride	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
9.	Butyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
10.	Butylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
11.	Captan	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
12.	Carbaryl	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
13.	Carbofuran	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
14.	Carbon disulfide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
15.	Chlorpyrifos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
16.	Coumaphos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
17.	Cresol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
18.	Crotonaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
19.	Cyclohexane	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
20.	2,4-D (2,4-dichlorophenoxyacetic acid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
21.	Diazinon	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
22.	Dicamba	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
23.	Dichlobenil	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
24.	Dichlone	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
25.	2,2-dichloropropionic acid	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
26.	Dichlorvos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
27.	Diethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
28.	Dimethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
29.	Dinitrobenzene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
30.	Diquat	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
31.	Disulfoton	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
32.	Diuron	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
33.	Epichlorohydrin	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
34.	Ethion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
35.	Ethylene diamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
36.	Ethylene dibromide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
37.	Formaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
38.	Furfural	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
39.	Guthion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
40.	Isoprene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
41.	Isopropanolamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
42.	Kelthane	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
43.	Kepone	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
44.	Malathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
45.	Mercaptodimethur	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
46.	Methoxychlor	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
47.	Methyl mercaptan	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
48.	Methyl methacrylate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
49.	Methyl parathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
50.	Mevinphos	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
51.	Mexacarbate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
52.	Monoethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
53.	Monomethyl amine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
54.	Naled	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
55.	Naphthenic acid	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
56.	Nitrotoluene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
57.	Parathion	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
58.	Phenolsulfonate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
59.	Phosgene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
60.	Propargite	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
61.	Propylene oxide	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
62.	Pyrethrins	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
63.	Quinoline	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
64.	Resorcinol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
65.	Strontium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
66.	Strychnine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
67.	Styrene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
69.	TDE (tetrachlorodiphenyl ethane)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
71.	Trichlorofon	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
72.	Triethanolamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
73.	Triethylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
74.	Trimethylamine	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
75.	Uranium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
76.	Vanadium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
77.	Vinyl acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
78.	Xylene	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
79.	Xylenol	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
80.	Zirconium	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE E. 2,3,7,8 TETRACHLORODIBENZO P DIOXIN (2,3,7,8 TCDD) (40 CFR 122.21(g)(7)(viii))				
Pollutant	TCDD Congeners Used or Manufactured	Presence or Absence (check one)		Results of Screening Procedure
		Believed Present	Believed Absent	
2,3,7,8-TCDD	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.41					
2. Biochemical oxygen demand (BOD ₅)	<3.33 mg/L	<3.33 mg/L			1	
3. Chemical oxygen demand (COD)	<20.0 mg/L	28.7 mg/L			1	
4. Total suspended solids (TSS)	<2.50 mg/L	<2.50 mg/L			1	
5. Total phosphorus	0.329 mg/L	0.278 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	0.335 mg/L	0.910 mg/L			1	
7. Total nitrogen (as N)	0.774 mg/L	1.33 mg/L			1	
8. pH (minimum)	8.12				1	
pH (maximum)	8.16				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate Nitrite	0.439 mg/L	0.419 mg/L			1	
Ammonia (as N)	<0.250 mg/L	<0.250 mg/L			1	
Iron	<0.100 mg/L	<0.100 mg/L			1	
Manganese	<0.005 mg/L	<0.005 mg/L			1	
Zinc	<0.0200 mg/L	<0.0200 mg/L			1	
Arsenic	<0.001 mg/L	<0.001 mg/L			1	
Copper	<0.001 mg/L	<0.001 mg/L			1	
Lead	<0.002 mg/L	<0.002 mg/L			1	
Temperature	15 °C				1	
Total Residual Chlorine	<0.05 mg/L				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.001 mg/L	<0.001 mg/L			1	
Cadmium	<0.001 mg/L	<0.001 mg/L			1	
Chromium	<0.0200 mg/L	<0.0200 mg/L			1	
Nickel	<0.002 mg/L	<0.002 mg/L			1	
Selenium	<0.002 mg/L	<0.002 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.001 mg/L	<0.001 mg/L			1	
Silver	<0.001 mg/L	<0.001 mg/L			1	
Aluminum	<0.100 mg/L	0.119 mg/L			1	
Magnesium	4.07 mg/L	3.96 mg/L			1	
Cobalt	<0.002 mg/L	<0.002 mg/L			1	
Barium	0.0199 mg/L	0.0175 mg/L			1	
Boron	0.0846 mg/L	0.0896 mg/L			1	
Molybdenum	<0.005 mg/L	<0.005 mg/L			1	
Tin	<0.004 mg/L	<0.004 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.00 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	2.89 mg/L	3.43 mg/L			1	
3. Chemical oxygen demand (COD)	33.0 mg/L	34.0 mg/L			1	
4. Total suspended solids (TSS)	10.0 mg/L	6.00 mg/L			1	
5. Total phosphorus	0.314 mg/L	0.320 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	1.31 mg/L	1.13 mg/L			1	
7. Total nitrogen (as N)	2.13 mg/L	1.92 mg/L			1	
8. pH (minimum)	6.85				1	
	6.87				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate Nitrite	0.824 mg/L	0.792 mg/L			1	
Ammonia (as N)	<0.100 mg/L	<0.100 mg/L			1	
Iron	0.753 mg/L	0.615 mg/L			1	
Manganese	0.0306 mg/L	0.0498 mg/L			1	
Zinc	0.009 mg/L	0.00597 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	<0.005 mg/L	<0.005 mg/L			1	
Lead	<0.005 mg/L	<0.005 mg/L			1	
Temperature	12.7 °C				1	
Total Residual Chlorine	0.01 mg/L				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 005
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Form Approved 03/05/19
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	<0.005 mg/L	<0.005 mg/L			1	
Nickel	<0.005 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	1.25 mg/L	1.04 mg/L			1	
Magnesium	3.31 mg/L	3.74 mg/L			1	
Cobalt	<0.005 mg/L	<0.005 mg/L			1	
Barium	0.0108 mg/L	0.0111 mg/L			1	
Boron	0.0744 mg/L	0.0869 mg/L			1	
Molybdenum	<0.005 mg/L	0.00962 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility name WCF	Outfall Number 005
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Form Approved 03/05/19
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 006
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.56 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	<3.33 mg/L	<3.33			1	
3. Chemical oxygen demand (COD)	21.4 mg/L	21.0 mg/L			1	
4. Total suspended solids (TSS)	17.0 mg/L	<3.33 mg/L			1	
5. Total phosphorus	<0.100 mg/L	<0.100 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	0.558 mg/L	0.544 mg/L			1	
7. Total nitrogen (as N)	0.558 mg/L	0.639 mg/L			1	
8. pH (minimum)	6.82				1	
	pH (maximum)	6.82			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 006
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Temperature	14.8				1	
Total Residual Chlorine	<0.05 mg/L				1	
Iron	0.339 mg/L	0.121 mg/L			1	
Copper	<0.001 mg/L	<0.001 mg/L			1	
Manganese	0.598 mg/L	0.585 mg/L			1	
Zinc	<0.0200 mg/L	<0.0200 mg/L			1	
Titanium	<0.01 mg/L	<0.01 mg/L			1	
Arsenic	<0.001 mg/L	<0.001 mg/L			1	
Nickel	<0.002 mg/L	<0.002 mg/L			1	
Nitrate Nitrite	<0.100 mg/L	<0.100 mg/L			1	
Nitrogen	0.558 mg/L	0.639 mg/L			1	
Ammonia (as N)	<0.250 mg/L	<0.250 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 006
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Color	40.0 PCU	5.0 PCU			1	
Sulfate	473 mg/L	512 mg/L			1	
Aluminum	<0.100 mg/L	<0.100 mg/L			1	
Magnesium	17.8 mg/L	16.7 mg/L			1	
Barium	0.0531 mg/L	0.0489 mg/L			1	
Boron	0.374 mg/L	0.348 mg/L			1	
Cobalt	<0.002 mg/L	<0.002 mg/L			1	
Molybdenum	<0.005 mg/L	0.005 mg/L			1	
Tin	<0.004 mg/L	<0.004 mg/L			1	
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.001 mg/L	<0.001 mg/L			1	
Cadmium	<0.001 mg/L	<0.001 mg/L			1	
Chromium	<0.0200 mg/L	<0.0200 mg/L			1	
Lead	<0.002 mg/L	<0.002 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Selenium	<0.002 mg/L	<0.002 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility name WCF	Outfall Number 006
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 008
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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.00 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	<2.00 mg/L	2.94 mg/L			1	
3. Chemical oxygen demand (COD)	39.0 mg/L	20.0 mg/L			1	
4. Total suspended solids (TSS)	<2.50 mg/L	<2.50 mg/L			1	
5. Total phosphorus	0.115 mg/L	0.342 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	1.73 mg/L	1.61 mg/L			1	
7. Total nitrogen (as N)	2.615 mg/L	1.14 mg/L			1	
8.	pH (minimum)	7.28			1	
	pH (maximum)	7.30			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 008
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate Nitrite	0.885 mg/L	1.14 mg/L			1	
Ammonia (as N)	<0.100 mg/L	<0.100 mg/L			1	
Iron	0.0989 mg/L	0.457 mg/L			1	
Manganese	<0.005 mg/L	0.00698 mg/L			1	
Zinc	<0.005 mg/L	<0.005 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	<0.005 mg/L	<0.005 mg/L			1	
Lead	<0.005 mg/L	<0.005 mg/L			1	
Temperature	8.35 °C				1	
Total Residual Chlorine	<0.05 mg/L				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 008
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (viii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	<0.005 mg/L	<0.005 mg/L			1	
Nickel	<0.005 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	0.196 mg/L	1.30 mg/L			1	
Magnesium	3.64 mg/L	3.90 mg/L			1	
Cobalt	<0.005 mg/L	<0.005 mg/L			1	
Barium	0.0428 mg/L	0.0385 mg/L			1	
Molybdenum	<0.005 mg/L	0.00556 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	
Titanium	<0.00250 mg/L	0.0172 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 008
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Sulfate	21.7 mg/L	24.2 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility name WCF	Outfall Number 008
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Form Approved 03/05/19
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 013
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.88 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	<3.33 mg/L	<3.33 mg/L			1	
3. Chemical oxygen demand (COD)	26.8 mg/L	<20.0 mg/L			1	
4. Total suspended solids (TSS)	16.9 mg/L	<2.50 mg/L			1	
5. Total phosphorus	<0.100 mg/L	<0.100 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	0.297 mg/L	0.338 mg/L			1	
7. Total nitrogen (as N)	1.17 mg/L	0.338 mg/L			1	
8. pH (minimum)	6.71				1	
	6.72				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 013
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate Nitrite	0.306 mg/L	<0.100 mg/L			1	
Ammonia (as N)	<0.250 mg/L	<0.250 mg/L			1	
Iron	<0.268 mg/L	0.291 mg/L			1	
Manganese	5.78 mg/L	5.23 mg/L			1	
Zinc	0.0525 mg/L	0.0523 mg/L			1	
Arsenic	<0.001 mg/L	<0.001 mg/L			1	
Copper	<0.001 mg/L	<0.001 mg/L			1	
Lead	<0.002 mg/L	<0.002 mg/L			1	
Temperature	9.0 °C				1	
Total Residual Chlorine	0.03 mg/L				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 013
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.001 mg/L	<0.001 mg/L			1	
Cadmium	<0.001 mg/L	<0.001 mg/L			1	
Chromium	<0.0200 mg/L	<0.0200 mg/L			1	
Nickel	0.0131 mg/L	0.012 mg/L			1	
Selenium	<0.002 mg/L	<0.002 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.001 mg/L	<0.001 mg/L			1	
Silver	<0.001 mg/L	<0.001 mg/L			1	
Aluminum	<0.100 mg/L	0.108 mg/L			1	
Magnesium	25.1 mg/L	25.4 mg/L			1	
Cobalt	0.0144 mg/L	0.0129 mg/L			1	
Barium	0.0444 mg/L	0.0457 mg/L			1	
Boron	1.53 mg/L	1.53 mg/L			1	
Molybdenum	<0.005 mg/L	<0.005 mg/L			1	
Tin	<0.004 mg/L	<0.004 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 013
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Tin	<0.004 mg/L	<0.004 mg/L			1	
Titanium	<0.01 mg/L	<0.01 mg/L			1	
Sulfate	573 mg/L	606 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility name WCF	Outfall Number 013
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL 0003875	Facility Name WCF	Outfall Number 021
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹						
You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.						
Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.88 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	<3.33 mg/L	<3.33 mg/L			1	
3. Chemical oxygen demand (COD)	<20.0 mg/L	33.6 mg/L			1	
4. Total suspended solids (TSS)	<2.50 mg/L	15.2 mg/L			1	
5. Total phosphorus	0.353 mg/L	1.08 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	<0.500 mg/L	0.875 mg/L			1	
7. Total nitrogen (as N)	8.92 mg/L	6.83 mg/L			1	
8. pH (minimum)	6.70					
	6.71					

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL 0003875	Facility Name WCF	Outfall Number 021
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate-Nitrite as N	8.92 mg/L	5.95 mg/L			1	
Ammonia as N	<0.250 mg/L	0.732 mg/L			1	
Iron	0.124 mg/L	0.268 mg/L			1	
Manganese	0.0958 mg/L	0.0390 mg/L			1	
Zinc	<0.0200 mg/L	<0.0200 mg/L			1	
Arsenic	0.00152 mg/L	0.00145 mg/L			1	
Copper	<0.00100 mg/L	0.00163 mg/L			1	
Lead	<0.00200 mg/L	<0.00200 mg/L			1	
Temperature	15.2 °C				1	
Total Residual Chlorine	0.02 mg/L				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL 0003875	Facility Name WCF	Outfall Number 021
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Form Approved 03/05/19
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.00500 mg/L	<0.00500 mg/L			1	
Beryllium	<0.00100 mg/L	<0.00100 mg/L			1	
Cadmium	<0.00100 mg/L	<0.00100 mg/L			1	
Chromium	<0.0200 mg/L	<0.0200 mg/L			1	
Nickel	<0.00200 mg/L	<0.00200 mg/L			1	
Selenium	0.00349 mg/L	<0.00200 mg/L			1	
Mercury	<0.000200 mg/L	<0.000200 mg/L			1	
Thallium	<0.00100 mg/L	<0.00100 mg/L			1	
Silver	<0.00100 mg/L	<0.00100 mg/L			1	
Aluminum	<0.100 mg/L	0.511 mg/L			1	
Magnesium	9.10 mg/L	4.09 mg/L			1	
Cobalt	<0.00200 mg/L	<0.00200 mg/L			1	
Barium	0.0481 mg/L	0.0216 mg/L			1	
Boron	0.0427 mg/L	0.0426 mg/L			1	
Molybdenum	0.0411 mg/L	0.0122 mg/L			1	
Tin	<0.00400 mg/L	<0.00400 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL 0003875	Facility name WCF	Outfall Number 021
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Form Approved 03/05/19
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL 0003875	Facility Name WCF	Outfall Number 023
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.56 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	<3.33 mg/L	<3.33 mg/L			1	
3. Chemical oxygen demand (COD)	<20.0 mg/L	45.6 mg/L			1	
4. Total suspended solids (TSS)	12.4 mg/L	13.7 mg/L			1	
5. Total phosphorus	0.440 mg/L	2.12 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	0.349 mg/L	3.05 mg/L			1	
7. Total nitrogen (as N)	4.80 mg/L	5.61 mg/L			1	
8. pH (minimum)	6.99				1	
	pH (maximum)	7.03			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL 0003875	Facility Name WCF	Outfall Number 023
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate-Nitrite as N	4.45 mg/L	2.55 mg/L			1	
Ammonia as N	<0.250 mg/L	1.02 mg/L			1	
Iron	0.111 mg/L	0.197 mg/L			1	
Manganese	0.00812 mg/L	0.0213 mg/L			1	
Zinc	<0.0200 mg/L	<0.00200 mg/L			1	
Arsenic	0.00111 mg/L	0.00172 mg/L			1	
Copper	<0.00100 mg/L	0.00196 mg/L			1	
Lead	<0.00200 mg/L	<0.00200 mg/L			1	
Temperature	15.25 °C				1	
Total Residual Chlorine	0.00 mg/L				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL 0003875	Facility Name WCF	Outfall Number 023
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.00500 mg/L	<0.00500 mg/L			1	
Beryllium	<0.00100 mg/L	<0.00100 mg/L			1	
Cadmium	<0.00100 mg/L	<0.00100 mg/L			1	
Chromium	<0.0200 mg/L	<0.0200 mg/L			1	
Nickel	<0.00200 mg/L	<0.00200 mg/L			1	
Mercury	<0.000200 mg/L	<0.000200 mg/L			1	
Thallium	<0.00100 mg/L	<0.00100 mg/L			1	
Silver	<0.00100 mg/L	<0.00100 mg/L			1	
Aluminum	0.137 mg/L	0.403 mg/L			1	
Magnesium	8.33 mg/L	3.16 mg/L			1	
Cobalt	0.00200 mg/L	<0.00200 mg/L			1	
Barium	0.0331 mg/L	0.0213 mg/L			1	
Boron	0.0450 mg/L	0.0439 mg/L			1	
Molybdenum	0.0152 mg/L	<0.00500 mg/L			1	
Tin	<0.00400 mg/L	<0.00400 mg/L			1	
Titanium	<0.0100 mg/L	0.0110 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL 0003875	Facility name WCF	Outfall Number 023
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 024
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Form Approved 03/05/19
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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	10.6 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	<2.00 mg/L	2.92 mg/L			1	
3. Chemical oxygen demand (COD)	13.0 mg/L	30.0 mg/L			1	
4. Total suspended solids (TSS)	<2.50 mg/L	3.50 mg/L			1	
5. Total phosphorus	0.164 mg/L	0.493 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	1.92 mg/L	2.44 mg/L			1	
7. Total nitrogen (as N)	<0.100 mg/L	3.55 mg/L			1	
8. pH (minimum)	7.35				1	
	7.38				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 024
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate Nitrite	0.687 mg/L	1.11 mg/L			1	
Ammonia (as N)	<0.100 mg/L	<0.100 mg/L			1	
Iron	0.115 mg/L	0.568 mg/L			1	
Manganese	<0.005 mg/L	0.00675 mg/L			1	
Zinc	0.0111 mg/L	<0.005 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	<0.005 mg/L	<0.005 mg/L			1	
Lead	0.164 mg/L	<0.005 mg/L			1	
Temperature	8.45 °C				1	
Total Residual Chlorine	0.03 mg/L				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 024
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Form Approved 03/05/19
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	<0.005 mg/L	<0.005 mg/L			1	
Nickel	<0.005 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	0.255 mg/L	1.12 mg/L			1	
Magnesium	4.42 mg/L	3.04 mg/L			1	
Cobalt	<0.005 mg/L	<0.005 mg/L			1	
Barium	0.0466 mg/L	0.036 mg/L			1	
Boron	0.0439 mg/L	0.0411 mg/L			1	
Molybdenum	0.0109 mg/L	<0.005 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility name WCF	Outfall Number 024
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 025
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Form Approved 03/05/19
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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.00 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	<2.00 mg/L	3.48 mg/L			1	
3. Chemical oxygen demand (COD)	<10.0 mg/L	53.0 mg/L			1	
4. Total suspended solids (TSS)	5.00 mg/L	11.5 mg/L			1	
5. Total phosphorus	0.247 mg/L	1.13 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	2.31 mg/L	2.92 mg/L			1	
7. Total nitrogen (as N)	3.75 mg/L	3.87 mg/L			1	
8.	pH (minimum)	6.82			1	
	pH (maximum)	6.83			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 025
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate	1.44 mg/L	0.946 mg/L			1	
Ammonia (as N)	<0.100 mg/L	<0.100 mg/L			1	
Iron	1.47 mg/L	1.50 mg/L			1	
Manganese	0.00743 mg/L	0.0101 mg/L			1	
Zinc	<0.005 mg/L	0.00535 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	<0.005 mg/L	<0.005 mg/L			1	
Lead	<0.005 mg/L	<0.005 mg/L			1	
Temperature	7.0 °C				1	
Total Residual Chlorine	0.00 mg/L				1	
Nitrite	<0.100 mg/L	<0.100 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 025
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	<0.005 mg/L	<0.005 mg/L			1	
Nickel	<0.005 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	1.59 mg/L	1.67 mg/L			1	
Magnesium	4.41 mg/L	2.05 mg/L			1	
Cobalt	<0.005 mg/L	<0.005 mg/L			1	
Barium	0.0357 mg/L	0.0153 mg/L			1	
Boron	0.0361 mg/L	0.0412 mg/L			1	
Molybdenum	<0.005 mg/L	0.00852 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility name WCF	Outfall Number 025
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 026
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	11.9 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	2.28 mg/L	2.76 mg/L			1	
3. Chemical oxygen demand (COD)	13.0 mg/L	43.0 mg/L			1	
4. Total suspended solids (TSS)	7.0 mg/L	3.0 mg/L			1	
5. Total phosphorus	0.517 mg/L	0.734 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	2.14 mg/L	2.04 mg/L			1	
7. Total nitrogen (as N)	2.94 mg/L	2.74 mg/L			1	
8. pH (minimum)	7.37				1	
	pH (maximum)	7.38			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 026
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate Nitrite	0.801 mg/L	0.699 mg/L			1	
Ammonia (as N)	<0.100 mg/L	<0.100 mg/L			1	
Iron	2.97 mg/L	1.04 mg/L			1	
Manganese	0.0139 mg/L	0.00595 mg/L			1	
Zinc	0.00729 mg/L	0.0320 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	<0.005 mg/L	<0.005 mg/L			1	
Lead	<0.005 mg/L	<0.005 mg/L			1	
Temperature	8.30 °C				1	
Total Residual Chlorine	0.00 mg/L				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 026
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Form Approved 03/05/19
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (viii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	<0.005 mg/L	<0.005 mg/L			1	
Nickel	<0.005 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	7.08 mg/L	1.83 mg/L			1	
Magnesium	2.52 mg/L	1.84 mg/L			1	
Cobalt	<0.005 mg/L	<0.005 mg/L			1	
Barium	0.0236 mg/L	0.0160 mg/L			1	
Boron	0.036 mg/L	0.0365 mg/L			1	
Molybdenum	<0.005 mg/L	<0.005 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility name WCF	Outfall Number 026
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 027
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	10 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	<2.00 mg/L	2.68 mg/L			1	
3. Chemical oxygen demand (COD)	36.0 mg/L	34.0 mg/L			1	
4. Total suspended solids (TSS)	4.00 mg/L	4.00 mg/L			1	
5. Total phosphorus	0.614 mg/L	0.824 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	2.75 mg/L	2.10 mg/L			1	
7. Total nitrogen (as N)	3.687 mg/L	2.826 mg/L			1	
8. pH (minimum)	7.31				1	
	pH (maximum)	7.31			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 027
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate Nitrite	0.937 mg/L	0.726 mg/L			1	
Ammonia (as N)	<0.100 mg/L	<0.100 mg/L			1	
Iron	1.55 mg/L	0.744 mg/L			1	
Manganese	0.00813 mg/L	0.00529 mg/L			1	
Zinc	<0.005 mg/L	<0.005 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	<0.005 mg/L	<0.005 mg/L			1	
Lead	<0.005 mg/L	<0.005 mg/L			1	
Temperature	8.5 °C				1	
Total Residual Chlorine	0.00 mg/L				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 027
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	<0.005 mg/L	<0.005 mg/L			1	
Nickel	<0.005 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	3.48 mg/L	0.982 mg/L			1	
Magnesium	3.32 mg/L	2.16 mg/L			1	
Cobalt	<0.005 mg/L	<0.005 mg/L			1	
Barium	0.0221 mg/L	0.0183 mg/L			1	
Boron	0.0443 mg/L	0.0460 mg/L			1	
Molybdenum	0.00530 mg/L	<0.005 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility name WCF	Outfall Number 027
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Form Approved 03/05/19
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 028
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.00 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	2.12 mg/L	4.88 mg/L			1	
3. Chemical oxygen demand (COD)	<10.0 mg/L	70.0 mg/L			1	
4. Total suspended solids (TSS)	2.50 mg/L	6.00 mg/L			1	
5. Total phosphorus	0.335 mg/L	0.783 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	2.10 mg/L	4.55 mg/L			1	
7. Total nitrogen (as N)	3.16 mg/L	5.31 mg/L			1	
8. pH (minimum)	6.39				1	
	6.40				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 028
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate	1.06 mg/L	0.764 mg/L			1	
Nitrite	<0.100 mg/L	<0.100 mg/L			1	
Ammonia (as N)	<0.100 mg/L	<0.100 mg/L			1	
Iron	0.785 mg/L	1.27 mg/L			1	
Manganese	<0.005 mg/L	0.00573 mg/L			1	
Zinc	<0.005 mg/L	<0.005 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	<0.005 mg/L	<0.005 mg/L			1	
Lead	<0.005 mg/L	<0.005 mg/L			1	
Temperature	11.6 °C				1	
Total Residual Chlorine	0.03 mg/L				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 028
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Form Approved 03/05/19
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	<0.005 mg/L	<0.005 mg/L			1	
Nickel	<0.005 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	0.733 mg/L	1.35 mg/L			1	
Magnesium	4.21 mg/L	2.39 mg/L			1	
Cobalt	<0.005 mg/L	<0.005 mg/L			1	
Barium	0.0185 mg/L	0.0129 mg/L			1	
Boron	0.0402 mg/L	0.0380 mg/L			1	
Molybdenum	<0.005 mg/L	<0.005 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility name WCF	Outfall Number 028
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Form Approved 03/05/19
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 029
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.41 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	<3.33 mg/L	<3.33 mg/L			1	
3. Chemical oxygen demand (COD)	<20.00 mg/L	<20.00 mg/L			1	
4. Total suspended solids (TSS)	<2.50 mg/L	20.4 mg/L			1	
5. Total phosphorus	0.262 mg/L	0.535 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	0.336 mg/L	0.794 mg/L			1	
7. Total nitrogen (as N)	1.57 mg/L	1.36 mg/L			1	
8. pH (minimum)	7.04				1	
	pH (maximum)	7.08			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 029
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate Nitrite	1.23 mg/L	0.567 mg/L			1	
Ammonia (as N)	<0.250 mg/L	<0.250 mg/L			1	
Iron	<0.100 mg/L	0.253 mg/L			1	
Manganese	<0.005 mg/L	0.00793 mg/L			1	
Zinc	<0.0200 mg/L	<0.0200 mg/L			1	
Arsenic	0.0473 mg/L	0.0204 mg/L			1	
Copper	<0.005 mg/L	0.00144 mg/L			1	
Lead	<0.002 mg/L	<0.002 mg/L			1	
Temperature	17.5 °C				1	
Total Residual Chlorine	0.00 mg/L				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility Name WCF	Outfall Number 029
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Form Approved 03/05/19
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.001 mg/L			1	
Cadmium	<0.001 mg/L	<0.001 mg/L			1	
Chromium	<0.0200 mg/L	<0.0200 mg/L			1	
Nickel	<0.002 mg/L	<0.002 mg/L			1	
Selenium	0.00638 mg/L	0.00299 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.001 mg/L	<0.001 mg/L			1	
Silver	<0.001 mg/L	<0.001 mg/L			1	
Aluminum	<0.100 mg/L	0.615 mg/L			1	
Magnesium	6.58 mg/L	4.13 mg/L			1	
Cobalt	<0.002 mg/L	<0.002 mg/L			1	
Barium	0.0273 mg/L	0.0170 mg/L			1	
Boron	0.567 mg/L	0.271 mg/L			1	
Molybdenum	0.0132 mg/L	0.00620 mg/L			1	
Tin	<0.0200 mg/L	<0.004 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL0003875	Facility name WCF	Outfall Number 029
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Form Approved 03/05/19
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 030
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information <small>(new source/new dischargers only; use codes in instructions)</small>
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.56 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	<3.33 mg/L	<3.33 mg/L			1	
3. Chemical oxygen demand (COD)	<20.0 mg/L	<20.0 mg/L			1	
4. Total suspended solids (TSS)	<2.50 mg/L	<2.50 mg/L			1	
5. Total phosphorus	0.230 mg/L	0.246 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	0.423 mg/L	0.496 mg/L			1	
7. Total nitrogen (as N)	0.901 mg/L	0.976 mg/L			1	
8. pH (minimum)	7.43				1	
	7.46				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 030
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information <small>(new source/new dischargers only; use codes in instructions)</small>
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate Nitrite	0.478 mg/L	0.480 mg/L			1	
Ammonia (as N)	<0.250 mg/L	<0.250 mg/L			1	
Iron	<0.100 mg/L	<0.100 mg/L			1	
Manganese	3.51 mg/L	0.00561 mg/L			1	
Zinc	<0.0200 mg/L	<0.0200 mg/L			1	
Arsenic	<0.001 mg/L	<0.001 mg/L			1	
Copper	<0.001 mg/L	<0.001 mg/L			1	
Lead	<0.002 mg/L	<0.002 mg/L			1	
Temperature	15.25 °C				1	
Total Residual Chlorine	0.01 mg/L				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 030
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.001 mg/L	<0.001 mg/L			1	
Cadmium	<0.001 mg/L	<0.001 mg/L			1	
Chromium	<0.0200 mg/L	<0.0200 mg/L			1	
Nickel	<0.002 mg/L	<0.002 mg/L			1	
Selenium	<0.002 mg/L	<0.002 mg/L			1	
Mercury	<0.0002 mg/L	0.000315 mg/L			1	
Thallium	<0.001 mg/L	<0.001 mg/L			1	
Silver	<0.001 mg/L	<0.001 mg/L			1	
Aluminum	<0.100 mg/L	<0.100 mg/L			1	
Magnesium	3.51 mg/L	3.34 mg/L			1	
Cobalt	<0.002 mg/L	<0.002 mg/L			1	
Barium	0.0539 mg/L	0.0471 mg/L			1	
Boron	0.0522 mg/L	0.0471 mg/L			1	
Molybdenum	<0.005 mg/L	<0.005 mg/L			1	
Tin	<0.004 mg/L	<0.004 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility name WCF	Outfall Number 030
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 031
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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.00 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	4.24 mg/L	3.62 mg/L			1	
3. Chemical oxygen demand (COD)	35.0 mg/L	49.0 mg/L			1	
4. Total suspended solids (TSS)	11.0 mg/L	4.00 mg/L			1	
5. Total phosphorus	0.714 mg/L	0.725 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	5.19 mg/L	2.75 mg/L			1	
7. Total nitrogen (as N)	6.05 mg/L	3.56 mg/L			1	
8. pH (minimum)	7.42				1	
	7.43				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 031
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate	0.0863 mg/L	0.810 mg/L			1	
Ammonia (as N)	0.167 mg/L	<0.100 mg/L			1	
Iron	3.46 mg/L	1.70 mg/L			1	
Manganese	0.0209 mg/L	0.0188 mg/L			1	
Zinc	0.00792 mg/L	0.00516 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	<0.005 mg/L	<0.005 mg/L			1	
Lead	<0.005 mg/L	<0.005 mg/L			1	
Temperature	12.2 °C				1	
Total Residual Chlorine	0.01 mg/L				1	
Nitrite	<0.100 mg/L	<0.100 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 031
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	<0.005 mg/L	<0.005 mg/L			1	
Nickel	<0.005 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	3.50 mg/L	1.67 mg/L			1	
Magnesium	2.19 mg/L	1.61 mg/L			1	
Cobalt	<0.005 mg/L	<0.005 mg/L			1	
Barium	0.0156 mg/L	0.0185 mg/L			1	
Boron	0.0444 mg/L	0.0323 mg/L			1	
Molybdenum	0.00977 mg/L	<0.005 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility name WCF	Outfall Number 031
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 032
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.00 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	<2.00 mg/L	4.72 mg/L			1	
3. Chemical oxygen demand (COD)	35.0 mg/L	59.0 mg/L			1	
4. Total suspended solids (TSS)	<10.0 mg/L	7.00 mg/L			1	
5. Total phosphorus	0.0544 mg/L	0.761 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	1.70 mg/L	2.98 mg/L			1	
7. Total nitrogen (as N)	2.89 mg/L	3.89 mg/L			1	
8. pH (minimum)	6.82				1	
	6.85				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 032
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate	1.19 mg/L	0.908 mg/L			1	
Ammonia (as N)	<0.100 mg/L	<0.100 mg/L			1	
Iron	0.0982 mg/L	0.653 mg/L			1	
Manganese	0.00741 mg/L	0.0238 mg/L			1	
Zinc	0.005 mg/L	0.005 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	<0.005 mg/L	<0.005 mg/L			1	
Lead	<0.005 mg/L	<0.005 mg/L			1	
Temperature	10.95 °C				1	
Total Residual Chlorine	0.01 mg/L				1	
Nitrite	<0.100 mg/L	<0.100 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 032
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	<0.005 mg/L	<0.005 mg/L			1	
Nickel	<0.005 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	0.116 mg/L	0.599 mg/L			1	
Magnesium	4.18 mg/L	1.95 mg/L			1	
Cobalt	<0.005 mg/L	<0.005 mg/L			1	
Barium	0.0696 mg/L	0.0284 mg/L			1	
Boron	0.0465 mg/L	0.0385 mg/L			1	
Molybdenum	<0.005 mg/L	<0.005 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility name WCF	Outfall Number 032
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 033
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Form Approved 03/05/19
OMB No. 2040-0004

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.00 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	2.85 mg/L	3.23 mg/L			1	
3. Chemical oxygen demand (COD)	37.0 mg/L	40.0 mg/L			1	
4. Total suspended solids (TSS)	26.0 mg/L	7.00 mg/L			1	
5. Total phosphorus	0.745 mg/L	1.08 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	1.76 mg/L	3.10 mg/L			1	
7. Total nitrogen (as N)	3.05 mg/L	3.918 mg/L			1	
8. pH (minimum)	6.49				1	
	pH (maximum)	6.53			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 033
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate	1.29 mg/L	0.818 mg/L			1	
Ammonia (as N)	<0.100 mg/L	<0.100 mg/L			1	
Iron	1.71 mg/L	0.615 mg/L			1	
Manganese	0.0414 mg/L	0.0498 mg/L			1	
Zinc	0.0215 mg/L	0.00597 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	<0.005 mg/L	<0.005 mg/L			1	
Lead	<0.005 mg/L	<0.005 mg/L			1	
Temperature	13.05 °C				1	
Total Residual Chlorine	0.00 mg/L				1	
Nitrite	<0.100 mg/L	<0.100 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 033
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	<0.005 mg/L	<0.005 mg/L			1	
Nickel	<0.005 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	3.09 mg/L	3.05 mg/L			1	
Magnesium	3.88 mg/L	1.29 mg/L			1	
Cobalt	<0.005 mg/L	<0.005 mg/L			1	
Barium	0.0282 mg/L	0.0119 mg/L			1	
Boron	0.170 mg/L	0.0612 mg/L			1	
Molybdenum	<0.005 mg/L	<0.005 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility name WCF	Outfall Number 033
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 034
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Form Approved 03/05/19
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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.00 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	7.70 mg/L	2.93 mg/L			1	
3. Chemical oxygen demand (COD)	130.0 mg/L	57.0 mg/L			1	
4. Total suspended solids (TSS)	230.0 mg/L	59.0 mg/L			1	
5. Total phosphorus	0.383 mg/L	0.165 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	2.19 mg/L	1.02 mg/L			1	
7. Total nitrogen (as N)	2.99 mg/L	1.76 mg/L			1	
8. pH (minimum)	6.20				1	
	6.22				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 034
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate	0.798 mg/L	0.737 mg/L			1	
Ammonia (as N)	<0.100 mg/L	<0.100 mg/L			1	
Iron	11.8 mg/L	5.76 mg/L			1	
Manganese	0.215 mg/L	0.0873 mg/L			1	
Zinc	0.0322 mg/L	0.0186 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	0.00618 mg/L	<0.005 mg/L			1	
Lead	0.00713 mg/L	<0.005 mg/L			1	
Temperature	12.1 °C				1	
Total Residual Chlorine	0.00 mg/L				1	
Nitrite	<0.100 mg/L	<0.100 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 034
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	0.0131 mg/L	<0.005 mg/L			1	
Nickel	0.00875 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	24.0 mg/L	12.2 mg/L			1	
Magnesium	2.65 mg/L	2.22 mg/L			1	
Cobalt	0.00601 mg/L	<0.005 mg/L			1	
Barium	0.0919 mg/L	0.0434 mg/L			1	
Boron	0.0412 mg/L	0.0426 mg/L			1	
Molybdenum	<0.005 mg/L	<0.005 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility name WCF	Outfall Number 034
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 035
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Form Approved 03/05/19
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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.00 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	2.89 mg/L	7.46 mg/L			1	
3. Chemical oxygen demand (COD)	32.0 mg/L	55.0 mg/L			1	
4. Total suspended solids (TSS)	140.0 mg/L	12.0 mg/L			1	
5. Total phosphorus	0.383 mg/L	0.194 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	1.63 mg/L	1.52 mg/L			1	
7. Total nitrogen (as N)	2.68 mg/L	2.57 mg/L			1	
8. pH (minimum)	7.51				1	
	pH (maximum)	7.53			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 035
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information <small>(new source/new dischargers only; use codes in instructions)</small>
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate	1.05 mg/L	1.05 mg/L			1	
Ammonia (as N)	0.112 mg/L	<0.100 mg/L			1	
Iron	5.85 mg/L	1.32 mg/L			1	
Manganese	0.0855 mg/L	0.0286 mg/L			1	
Zinc	0.0551 mg/L	0.00775 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	0.00787 mg/L	<0.005 mg/L			1	
Lead	0.0254 mg/L	<0.005 mg/L			1	
Temperature	13.1 °C				1	
Total Residual Chlorine	0.00 mg/L				1	
Nitrite	<0.100 mg/L	<0.100 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 035
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	0.00934 mg/L	<0.005 mg/L			1	
Nickel	0.00537 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	9.16 mg/L	2.06 mg/L			1	
Magnesium	3.09 mg/L	1.18 mg/L			1	
Cobalt	<0.005 mg/L	<0.005 mg/L			1	
Barium	0.0364 mg/L	0.0131 mg/L			1	
Boron	0.0505 mg/L	0.0472 mg/L			1	
Molybdenum	<0.005 mg/L	<0.005 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility name WCF	Outfall Number 035
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 036
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Form Approved 03/05/19
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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.00 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	6.57 mg/L	4.23 mg/L			1	
3. Chemical oxygen demand (COD)	100 mg/L	42.0 mg/L			1	
4. Total suspended solids (TSS)	138.0 mg/L	11.0 mg/L			1	
5. Total phosphorus	0.286 mg/L	0.121 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	2.62 mg/L	1.85 mg/L			1	
7. Total nitrogen (as N)	3.40 mg/L	2.63 mg/L			1	
8. pH (minimum)	7.85				1	
	7.86				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 036
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate	0.785 mg/L	0.785 mg/L			1	
Ammonia (as N)	0.209 mg/L	<0.100 mg/L			1	
Iron	10.4 mg/L	1.84 mg/L			1	
Manganese	0.182 mg/L	0.0352 mg/L			1	
Zinc	0.0262 mg/L	0.00663 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	0.00570 mg/L	<0.005 mg/L			1	
Lead	0.00530 mg/L	<0.005 mg/L			1	
Temperature	12.5 °C				1	
Total Residual Chlorine	0.03 mg/L				1	
Nitrite	<0.100 mg/L	<0.100 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 036
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	0.0133 mg/L	<0.005 mg/L			1	
Nickel	0.00686 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	19.8 mg/L	3.18 mg/L			1	
Magnesium	2.26 mg/L	1.20 mg/L			1	
Cobalt	<0.005 mg/L	<0.005 mg/L			1	
Barium	0.0566 mg/L	0.0147 mg/L			1	
Boron	0.0396 mg/L	0.0396 mg/L			1	
Molybdenum	0.00878 mg/L	<0.005 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility name WCF	Outfall Number 036
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.

EPA Identification Number AL7640006675	NPDES Permit Number AL00003875	Facility Name WCF	Outfall Number 037
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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<5.00 mg/L				1	
2. Biochemical oxygen demand (BOD ₅)	2.52 mg/L	4.72 mg/L			1	
3. Chemical oxygen demand (COD)	<10.0 mg/L	59.0 mg/L			1	
4. Total suspended solids (TSS)	5.00 mg/L	7.00 mg/L			1	
5. Total phosphorus	0.0521 mg/L	0.761 mg/L			1	
6. Total Kjeldahl nitrogen (TKN)	2.18 mg/L	2.98 mg/L			1	
7. Total nitrogen (as N)	2.78 mg/L	3.89 mg/L			1	
8. pH (minimum)	6.85				1	
	6.87				1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate	0.597 mg/L	0.908 mg/L			1	
Ammonia (as N)	<0.100 mg/L	<0.100 mg/L			1	
Iron	0.294 mg/L	0.653 mg/L			1	
Manganese	0.00587 mg/L	0.0238 mg/L			1	
Zinc	<0.005 mg/L	0.005 mg/L			1	
Arsenic	<0.005 mg/L	<0.005 mg/L			1	
Copper	<0.005 mg/L	<0.005 mg/L			1	
Lead	<0.005 mg/L	<0.005 mg/L			1	
Temperature	13.05 °C				1	
Total Residual Chlorine	0.02 mg/L				1	
Nitrite	<0.100 mg/L	<0.100 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

List each pollutant shown in Exhibits 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Antimony	<0.005 mg/L	<0.005 mg/L			1	
Beryllium	<0.005 mg/L	<0.005 mg/L			1	
Cadmium	<0.005 mg/L	<0.005 mg/L			1	
Chromium	<0.005 mg/L	<0.005 mg/L			1	
Nickel	<0.005 mg/L	<0.005 mg/L			1	
Selenium	<0.005 mg/L	<0.005 mg/L			1	
Mercury	<0.0002 mg/L	<0.0002 mg/L			1	
Thallium	<0.005 mg/L	<0.005 mg/L			1	
Silver	<0.00125 mg/L	<0.00125 mg/L			1	
Aluminum	0.324 mg/L	1.41 mg/L			1	
Magnesium	5.49 mg/L	3.17 mg/L			1	
Cobalt	<0.005 mg/L	<0.005 mg/L			1	
Barium	0.0299 mg/L	0.0210 mg/L			1	
Boron	0.0495 mg/L	0.0516 mg/L			1	
Molybdenum	<0.005 mg/L	<0.005 mg/L			1	
Tin	<0.005 mg/L	<0.005 mg/L			1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/09/2024	52	3.46	145	499.20 MGD	273,000 gallons

Provide a description of the method of flow measurement or estimate.
Discharge flows will be estimated using the modified rational method.