

**LANCE R. LEFLEUR**  
DIRECTOR



**KAY IVEY**  
GOVERNOR

**Alabama Department of Environmental Management**  
[adem.alabama.gov](http://adem.alabama.gov)

1400 Coliseum Blvd. 36110-2400 ■ Post Office Box 301463  
Montgomery, Alabama 36130-1463  
(334) 271-7700 ■ FAX (334) 271-7950

JUNE 11, 2020

MR RICHARD STANLEY  
PRESIDENT & CEO  
T R MILLER MILL COMPANY INC  
P O BOX 708  
BREWTON AL 36426

**RE: DRAFT PERMIT**  
**NPDES PERMIT NUMBER AL0000779**

Dear Mr. Stanley:

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 are currently utilizing the Department's web-based electronic environmental (E2) reporting system for submittal of discharge monitoring reports (DMRs). Your E2 DMRs will automatically update on the effective date of this permit, if issued.

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 Wayne Holt by e-mail at [wholt@adem.alabama.gov](mailto:wholt@adem.alabama.gov) or by phone at (334) 271-7847.

Sincerely,

Scott Ramsey, 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 Branch**  
110 Vulcan Road  
Birmingham, AL 35209-4702  
(205) 942-6168  
(205) 941-1603 (FAX)

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

**Mobile Branch**  
2204 Perimeter Road  
Mobile, AL 36615-1131  
(251) 450-3400  
(251) 479-2593 (FAX)

**Mobile-Coastal**  
3664 Dauphin Street, Suite B  
Mobile, AL 36608  
(251) 304-1176  
(251) 304-1189 (FAX)

# NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PERMITTEE: T R MILLER MILL COMPANY INC

FACILITY LOCATION: 215 DEER ST.  
BREWTON, AL 36426

PERMIT NUMBER: AL0000779

RECEIVING WATERS: DSN002: MURDER CREEK  
DSN003: UNNAMED TRIBUTARY TO MURDER CREEK

*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**

**INDUSTRIAL SECTION**  
**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT**

**TABLE OF CONTENTS**

<b>PART I</b>	<b>DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS .....</b>	<b>1</b>
A.	DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS .....	1
B.	DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS.....	8
1.	Representative Sampling .....	8
2.	Test Procedures .....	8
3.	Recording of Results .....	8
4.	Records Retention and Production.....	8
5.	Monitoring Equipment and Instrumentation.....	9
C.	DISCHARGE REPORTING REQUIREMENTS.....	9
1.	Reporting of Monitoring Requirements .....	9
2.	Noncompliance Notification.....	11
D.	OTHER REPORTING AND NOTIFICATION REQUIREMENTS .....	12
1.	Anticipated Noncompliance .....	12
2.	Termination of Discharge.....	12
3.	Updating Information .....	12
4.	Duty to Provide Information.....	12
5.	Cooling Water and Boiler Water Additives .....	12
6.	Permit Issued Based On Estimated Characteristics.....	12
E.	SCHEDULE OF COMPLIANCE.....	13
<b>PART II</b>	<b>OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES .....</b>	<b>14</b>
A.	OPERATIONAL AND MANAGEMENT REQUIREMENTS .....	14
1.	Facilities Operation and Maintenance.....	14
2.	Best Management Practices .....	14
3.	Spill Prevention, Control, and Management.....	14
B.	OTHER RESPONSIBILITIES .....	14
1.	Duty to Mitigate Adverse Impacts.....	14
2.	Right of Entry and Inspection.....	14
C.	BYPASS AND UPSET .....	14
1.	Bypass .....	14
2.	Upset .....	15
D.	DUTY TO COMPLY WITH PERMIT, RULES, AND STATUTES .....	15
1.	Duty to Comply .....	15
2.	Removed Substances .....	15
3.	Loss or Failure of Treatment Facilities .....	16
4.	Compliance with Statutes and Rules.....	16
E.	PERMIT TRANSFER, MODIFICATION, SUSPENSION, REVOCATION, AND REISSUANCE.....	16
1.	Duty to Reapply or Notify of Intent to Cease Discharge .....	16
2.	Change in Discharge.....	16
3.	Transfer of Permit.....	17
4.	Permit Modification and Revocation.....	17
5.	Permit Termination.....	18
6.	Permit Suspension .....	18
7.	Request for Permit Action Does Not Stay Any Permit Requirement.....	18
F.	COMPLIANCE WITH TOXIC POLLUTANT STANDARD OR PROHIBITION .....	18
G.	DISCHARGE OF WASTEWATER GENERATED BY OTHERS.....	18
<b>PART III</b>	<b>OTHER PERMIT CONDITIONS.....</b>	<b>19</b>
A.	CIVIL AND CRIMINAL LIABILITY .....	19
B.	OIL AND HAZARDOUS SUBSTANCE LIABILITY .....	19
C.	PROPERTY AND OTHER RIGHTS .....	19
D.	AVAILABILITY OF REPORTS.....	20
E.	EXPIRATION OF PERMITS FOR NEW OR INCREASED DISCHARGES .....	20
F.	COMPLIANCE WITH WATER QUALITY STANDARDS .....	20
G.	GROUNDWATER.....	20
H.	DEFINITIONS .....	20
I.	SEVERABILITY .....	23
<b>PART IV</b>	<b>ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS .....</b>	<b>24</b>
A.	BEST MANAGEMENT PRACTICES (BMP) PLAN REQUIREMENTS .....	24
B.	STORMWATER FLOW MEASUREMENT AND SAMPLING REQUIREMENTS.....	26
C.	EFFLUENT TOXICITY LIMITATIONS AND BIOMONITORING REQUIREMENTS.....	26

**PART I DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS****A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS**

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 following point source(s) outfall(s), described more fully in the permittee's application:

DSN0021: Treated Process Wastewater and Treated Groundwater.

Such discharge shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>			<u>MONITORING REQUIREMENTS 1/</u>				
	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Daily Minimum</u>	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Measurement Frequency 2/</u>	<u>Sample Type</u>	<u>Seasonal</u>
Oxygen, Dissolved (DO)	-	-	REPORT mg/l	-	-	Monthly	Grab	-
BOD, 5-Day (20 Deg. C)	4.05 lbs/day	6.07 lbs/day	-	-	-	Monthly	Composite	-
pH 4/	-	-	REPORT S.U.	-	REPORT S.U.	Continuous	Recorder	-
Oil & Grease	4.18 lbs/day	8.36 lbs/day	-	-	-	Monthly	Grab	-
Nitrogen, Ammonia Total (As N)	2.7 lbs/day	4.05 lbs/day	-	-	-	Monthly	Composite	-
Nitrogen, Kjeldahl Total (As N)	5.4 lbs/day	8.1 lbs/day	-	-	-	Monthly	Composite	-
Arsenic, Total Recoverable 3/	0.69 lbs/day	1.38 lbs/day	-	-	-	Monthly	Composite	-
Chromium Total Recoverable 3/	0.63 lbs/day	1.25 lbs/day	-	-	-	Monthly	Composite	-

**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/ For the purpose of determining compliance with permit requirements, "Total" and "Total Recoverable" shall be considered equivalent.
- 4/ pH measurements other than from continuous monitoring, shall comply with a daily minimum of 6.0 and a daily max of 9.0 standard units. Where the pH of wastewater is measured continuously, the total time during which the pH values are outside the required range of 6.0 to 9.0 standard units shall not exceed 7 hours and 26 minutes in any calendar month, no individual excursion from the range of pH values shall exceed 60 minutes in duration.



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 following point source(s) outfall(s), described more fully in the permittee's application:

DSN0021 (continued): Treated Process Wastewater and Treated Groundwater.

Such discharge shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>			<u>MONITORING REQUIREMENTS 1/</u>				
	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Daily Minimum</u>	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Measurement Frequency 2/</u>	<u>Sample Type</u>	<u>Seasonal</u>
Copper Total Recoverable 3/	8.20 lbs/day	8.68 lbs/day	-	-	-	Monthly	Composite	-
Acenaphthene	276 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	-
Benzo (K) Fluoranthene	0.0246 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	-
Benzo (A) Pyrene	0.0246 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	-
Chrysene	0.0246 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	-
Fluorene	REPORT lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	-
Benzo (A) Anthracene	0.0246 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	-
2,4-Dimethylphenol	258 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	-

**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/ For the purpose of determining compliance with permit requirements, "Total" and "Total Recoverable" shall be considered equivalent.

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 following point source(s) outfall(s), described more fully in the permittee's application:

DSN0021 (continued): Treated Process Wastewater and Treated Groundwater

Such discharge shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>			<u>MONITORING REQUIREMENTS 1/</u>				
	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Daily Minimum</u>	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Measurement Frequency 2/</u>	<u>Sample Type</u>	<u>Seasonal</u>
2,4,6-Trichlorophenol	3.23 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	-
Pentachlorophenol	2.97 lbs/day	3.15 lbs/day	-	-	-	Monthly	Grab	-
Phenols	0.23 lbs/day	0.78 lbs/day	-	-	-	Monthly	Grab	-
Flow, In Conduit or Thru Treatment Plant	REPORT MGD	REPORT MGD	-	-	-	Daily	Totalizer	-
Length of Longest pH Excursion	-	60 min	-	-	-	Continuous	Continuous	-
Chemical Oxygen Demand (COD)	192.2 lbs/day	381.5 lbs/day	-	-	-	Monthly	Composite	-
Daily Excursion Time (Min)	-	-	-	446 min	REPORT min	Continuous	Continuous	-
pH Range Excursions, > 60 Minutes	-	REPORT Occurrence/ Month	-	-	-	Continuous	Continuous	-

**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.

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 following point source(s) outfall(s), described more fully in the permittee's application:

DSN002Q: Treated Process Wastewater and Treated Groundwater 3/

Such discharge shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>			<u>MONITORING REQUIREMENTS 1/</u>				
	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Daily Minimum</u>	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Measurement Frequency 2/</u>	<u>Sample Type</u>	<u>Seasonal</u>
Toxicity, Ceriodaphnia Acute	-	0 pass(0)/fail(1)	-	-	-	Quarterly	24-Hr Composite	-
Toxicity, Pimephales Acute	-	0 pass(0)/fail(1)	-	-	-	Quarterly	24-Hr Composite	-

**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.C for Effluent Toxicity Limitations and Biomonitoring Requirements

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 following point source(s) outfall(s), described more fully in the permittee's application:

DSN003Q: Storm water associated with lumber and wood products industry including wood treating operations using preservatives containing copper, chromium, and arsenic, creosote, and chlorophenolic formulations. 3/ 4/

Such discharge shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>			<u>MONITORING REQUIREMENTS 1/</u>				
	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Daily Minimum</u>	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Measurement Frequency 2/</u>	<u>Sample Type</u>	<u>Seasonal</u>
Arsenic, Total Recoverable 5/	-	-	-	-	REPORT ug/l	Quarterly	Grab	-
Chromium Total Recoverable 5/	-	-	-	-	REPORT ug/l	Quarterly	Grab	-
Copper Total Recoverable 5/	-	-	-	-	REPORT ug/l	Quarterly	Grab	-
Acenaphthylene	-	-	-	-	REPORT ug/l	Quarterly	Grab	-
Acenaphthene	-	-	-	-	REPORT ug/l	Quarterly	Grab	-
Benzo (K) Fluoranthene	-	-	-	-	REPORT ug/l	Quarterly	Grab	-
Benzo (A) Pyrene	-	-	-	-	REPORT ug/l	Quarterly	Grab	-
Chrysene	-	-	-	-	REPORT ug/l	Quarterly	Grab	-

**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/ For the purpose of determining compliance with permit requirements, "Total" and "Total Recoverable" shall be considered equivalent.

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 following point source(s) outfall(s), described more fully in the permittee's application:

DSN003Q (continued): Storm water associated with lumber and wood products industry including wood treating operations using preservatives containing copper, chromium, and arsenic, creosote, and chlorophenolic formulations. 3/ 4/

Such discharge shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>			<u>MONITORING REQUIREMENTS 1/</u>				
	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Daily Minimum</u>	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Measurement Frequency 2/</u>	<u>Sample Type</u>	<u>Seasonal</u>
Fluorene	-	-	-	-	REPORT ug/l	Quarterly	Grab	-
Phenanthrene	-	-	-	-	REPORT ug/l	Quarterly	Grab	-
2,4-Dimethylphenol	-	-	-	-	REPORT ug/l	Quarterly	Grab	-
2,4,6-Trichlorophenol	-	-	-	-	REPORT ug/l	Quarterly	Grab	-
Pentachlorophenol	-	-	-	-	REPORT ug/l	Quarterly	Grab	-
Phenols	-	-	-	-	REPORT ug/l	Quarterly	Grab	-

**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.

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 following point source(s) outfall(s), described more fully in the permittee's application:

DSN003S: Storm water associated with lumber and wood products industry including wood treating operations using preservatives containing copper, chromium, and arsenic, creosote, and chlorophenolic formulations. 3/ 4/

Such discharge shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>			<u>MONITORING REQUIREMENTS 1/</u>				
	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Daily Minimum</u>	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Measurement Frequency 2/</u>	<u>Sample Type</u>	<u>Seasonal</u>
BOD, 5-Day (20 Deg. C)	-	-	-	REPORT mg/l	REPORT mg/l	Twice per Year	Grab	-
pH	-	-	REPORT S.U.	-	REPORT S.U.	Twice per Year	Grab	-
Solids, Total Suspended	-	-	-	REPORT mg/l	REPORT mg/l	Twice per Year	Grab	-
Oil and Grease	-	-	-	REPORT mg/l	15 mg/l	Twice per Year	Grab	-
Flow, In Conduit or Thru Treatment Plant	REPORT MGD	REPORT MGD				Twice per Year	Measured	-

**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 by utilizing the Department's web-based Electronic Environmental (E2) Reporting System.

- (1) If the permittee is unable to complete the electronic submittal of DMR data due to technical problems originating with the Department's E2 Reporting 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 E2 Reporting System is down on the 28<sup>th</sup> 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 E2 Reporting System resuming operation, the permittee shall enter the data into the E2 Reporting System, unless an alternate timeframe is approved by the Department. An attachment should be included with the E2 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  
Permits and Services Division  
Environmental Data Section  
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  
Permits and Services Division  
Environmental Data Section  
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;
- (2) quantities to be used;
- (3) frequencies of use;
- (4) 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:

- (1) It does not cause any discharge limitation specified in Provision I. A. of this permit to be exceeded;

- (2) It enters the same receiving stream as the permitted outfall; and
    - (3) It is necessary for essential maintenance of a treatment or control facility or system to assure efficient operation of such facility or system.
  - c. A bypass is not prohibited and need not meet the discharge limitations specified in Provision I. A. of this permit if:
    - (1) It is unavoidable to prevent loss of life, personal injury, or severe property damage;
    - (2) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime (this condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance); and
    - (3) The permittee submits a written request for authorization to bypass to the Director at least ten (10) days prior to the anticipated bypass (if possible), the permittee is granted such authorization, and the permittee complies with any conditions imposed by the Director to minimize any adverse impact on human health or the environment resulting from the bypass.
  - d. The permittee has the burden of establishing that each of the conditions of Provision II.C.1.b. or c. have been met to qualify for an exception to the general prohibition against bypassing contained in a. and an exemption, where applicable, from the discharge limitations specified in Provision I. A. of this permit.
- 2. Upset
  - a. A discharge which results from an upset need not meet the discharge limitations specified in Provision I. A. of this permit if:
    - (1) No later than 24-hours after becoming aware of the occurrence of the upset, the permittee orally reports the occurrence and circumstances of the upset to the Director or his designee; and
    - (2) No later than five (5) days after becoming aware of the occurrence of the upset, the permittee furnishes the Director with evidence, including properly signed, contemporaneous operating logs, or other relevant evidence, demonstrating that (i) an upset occurred; (ii) the permittee can identify the specific cause(s) of the upset; (iii) the permittee's facility was being properly operated at the time of the upset; and (iv) the permittee promptly took all reasonable steps to minimize any adverse impact on human health or the environment resulting from the upset.
  - b. The permittee has the burden of establishing that each of the conditions of Provision II. C.2.a. of this permit have been met to qualify for an exemption from the discharge limitations specified in Provision I.A. of this permit.

#### D. DUTY TO COMPLY WITH PERMIT, RULES, AND STATUTES

- 1. Duty to Comply
  - a. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the AWPCA and the FWPCA and is grounds for enforcement action, for permit termination, revocation and reissuance, suspension, modification; or denial of a permit renewal application.
  - b. The necessity to halt or reduce production or other activities in order to maintain compliance with the conditions of the permit shall not be a defense for a permittee in an enforcement action.
  - c. The discharge of a pollutant from a source not specifically identified in the permit application for this permit and not specifically included in the description of an outfall in this permit is not authorized and shall constitute noncompliance with this permit.
  - d. The permittee shall take all reasonable steps, including cessation of production or other activities, to minimize or prevent any violation of this permit or to minimize or prevent any adverse impact of any permit violation.
  - e. Nothing in this permit shall be construed to preclude and negate the permittee's responsibility or liability to apply for, obtain, or comply with other ADEM, Federal, State, or Local Government permits, certifications, licenses, or other approvals.
- 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:
    - (a) one hundred micrograms per liter;
    - (b) 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;
    - (c) 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:
    - (a) five hundred micrograms per liter;
    - (b) one milligram per liter for antimony;
    - (c) 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 to ensure that the BMP is continually implemented and effective;
- 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, 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.
- 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. EFFLUENT TOXICITY LIMITATIONS AND BIOMONITORING REQUIREMENTS**

1. The permittee shall perform 48-hour acute toxicity tests on the wastewater discharges required to be tested for acute toxicity by Part I of this permit.

a. Test Requirements

- (1) The tests shall be diluted, using an appropriate control water, to 17% effluent.
- (2) Any test where survival in the effluent concentration is less than 90% and statistically lower than the control indicates acute toxicity and constitutes noncompliance with this permit.

b. General Test Requirements:

- (1) A 24-hour composite sample shall be obtained for use in above biomonitoring tests. The holding time for each sample shall not exceed 36 hours. The control water shall be a water prepared in the laboratory in accordance with the EPA procedure described in EPA 821-R-02-012 or most current edition or another control water selected by the permittee and approved by the Department.

Effluent toxicity tests in which the control survival is less than 90% or in which the other requirements of the EPA Test Procedure are not met shall be unacceptable and the permittee shall rerun the tests as soon as practical within the monitoring period.

In the event of an invalid test, upon subsequent completion of a valid test, the results of all tests, valid and invalid, are reported with an explanation of the tests performed and results.

c. Reporting Requirements:

- (1) The permittee shall notify the Department in writing within 48 hours after toxicity has been demonstrated by the scheduled test(s).
- (2) Biomonitoring test results obtained during each monitoring period shall be summarized and reported using the appropriate Discharge Monitoring Report (DMR) form approved by the Department. In accordance with Section 2. of this part, an effluent toxicity report containing the information in Section 2. shall be included with the DMR. Two copies of the test results

must be submitted to the Department no later than 28 days after the month in which the tests were performed.

d. Additional Testing Requirements:

- (1) If acute toxicity is indicated (noncompliance with permit limit), the permittee shall perform four additional valid acute toxicity tests in accordance with these procedures to determine the extent and duration of the toxic condition. The toxicity tests shall be performed once per week and shall be performed during the first four calendar weeks following the date on which the permittee became aware of the permit noncompliance and the results of these tests shall be submitted no later than 28 days following the month in which the tests were performed.
- (2) After evaluation of the results of the follow-up tests, the Department will determine if additional action is appropriate and may require additional testing and/or toxicity reduction measures. The permittee may be required to perform a Toxicity Identification Evaluation (TIE) and/or a Toxicity Reduction Evaluation (TRE). The TIE/TRE shall be performed in accordance with the most recent protocols/guidance outlined by EPA (e.g., EPA/600/2-88/062, EPA/600/R-92/080, EPA/600R-92/081, EPA/833/B-99/022 and/or EPA/600/6-91/005F, etc.).

e. Test Methods:

- (1) The tests shall be performed in accordance with the latest edition of the "EPA Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms" and shall be performed using the fathead minnow (*Pimephales promelas*) and the cladoceran (*Ceriodaphnia dubia*).

2. Effluent toxicity testing reports

The following information shall be submitted with each discharge monitoring report unless otherwise directed by the Department. The Department may at any time suspend or reinstate this requirement or may increase or decrease the frequency of submittals.

a. Introduction

- (1) Facility Name, location and county
- (2) Permit number
- (3) Toxicity testing requirements of permit
- (4) Name of receiving water body
- (5) Contract laboratory information (if tests are performed under contract)
  - (a) Name of firm
  - (b) Telephone number
  - (c) Address
- (6) Objective of test

b. Plant Operations

- (1) Discharge operating schedule (if other than continuous)
- (2) Volume of discharge during sample collection to include Mean daily discharge on sample collection date (MGD, CFS, GPM)
- (3) Design flow of treatment facility at time of sampling

c. Source of Effluent and Dilution Water

- (1) Effluent samples

- (a) Sampling point
  - (b) Sample collection dates and times (to include composite sample start and finish times)
  - (c) Sample collection method
  - (d) Physical and chemical data of undiluted effluent samples (water temperature, pH, alkalinity, hardness, specific conductance, total residual chlorine (if applicable), etc.)
  - (e) Sample temperature when received at the laboratory
  - (f) Lapsed time from sample collection to delivery
  - (g) Lapsed time from sample collection to test initiation
- (2) Dilution Water Samples
  - (a) Source
  - (b) Collection date(s) and time(s) (where applicable)
  - (c) Pretreatment
  - (d) Physical and chemical characteristics (pH, hardness, water temperature, alkalinity, specific conductance, etc.)
- d. Test Conditions
  - (1) Toxicity test method utilized
  - (2) End point(s) of test
  - (3) Deviations from referenced method, if any, and reason(s)
  - (4) Date and time test started
  - (5) Date and time test terminated
  - (6) Type and volume of test chambers
  - (7) Volume of solution per chamber
  - (8) Number of organisms per test chamber
  - (9) Number of replicate test chambers per treatment
  - (10) Test temperature, pH and dissolved oxygen as recommended by the method (to include ranges)
  - (11) Feeding frequency, and amount and type of food
  - (12) Light intensity (mean)
- e. Test Organisms
  - (1) Scientific name
  - (2) Life stage and age
  - (3) Source
  - (4) Disease treatment (if applicable)
- f. Quality Assurance

- (1) Reference toxicant utilized and source
  - (2) Date and time of most recent acute reference toxicant test(s), raw data, and current cusum chart(s)
  - (3) Dilution water utilized in reference toxicant test
  - (4) Results of reference toxicant test(s) (LC50, etc.), report concentration-response relationship and evaluate test sensitivity. The most recent reference toxicant test shall be conducted within 30-days of the routine.
  - (5) Physical and chemical methods utilized
- g. Results
- (1) Provide raw toxicity data in tabular form, including daily records of affected organisms in each concentration (including controls) and replicate
  - (2) Provide table of endpoints: LC50, NOAEC, Pass/Fail (as required in the applicable NPDES permit)
  - (3) Indicate statistical methods used to calculate endpoints
  - (4) Provide all physical and chemical data required by method
  - (5) Results of test(s) (LC50, NOAEC, Pass/Fail, etc.), report concentration-response relationship (**definitive test only**), report percent minimum significant difference (PMSD).
- h. Conclusions and Recommendations
- (1) Relationship between test endpoints and permit limits
  - (2) Action to be taken

1/ Adapted from "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms", Fifth Edition, October 2002 (EPA 821-R-02-012), Section 12, Report Preparation



## ADEM PERMIT RATIONALE

PREPARED DATE: May 14, 2020  
PREPARED BY: Brian Marshall

Permittee Name: T R Miller Mill Co Inc  
Facility Name: T R Miller Mill Company Inc  
Permit Number: AL0000779

PERMIT IS REISSUANCE DUE TO EXPIRATION

### DISCHARGE SERIAL NUMBERS & DESCRIPTIONS:

DSN002: Treated Process Wastewater and Treated Groundwater

DSN003: Storm water associated with lumber and wood products industry including wood treating operations using preservatives containing copper, chromium, and arsenic, creosote, and chlorophenolic formulations.

**INDUSTRIAL CATEGORY:** Timber Products - 40 CFR 429 Subpart G – Wood Preserving Steam Subcategory

**MAJOR:** N

### STREAM INFORMATION:

Receiving Stream:	Murder Creek (DSN002)/ UT to Murder Creek (DSN003)
Classification:	Fish & Wildlife
River Basin:	Perdido-Escambia
7Q10:	128.7 cfs / 0.0 cfs
1Q10:	96.2 cfs / 0.0 cfs
Annual Average Flow:	679.58 cfs/ 0.31 cfs
303(d) List:	Yes
Impairment:	<u>Mercury</u>
TMDL:	No

### DISCUSSION:

T R Miller operates a timber products facility in Brewton, Alabama. The facility produces utility poles at two different locations on-site with one plant treating with the oil-borne preservative pentachlorophenol and the other plant treating with the water borne preservative chromated copper arsenate (CCA). The facility also discharges wastewater from a groundwater treatment system. Process water from the pentachlorophenol treatment and groundwater from the Corrective Action Program are directed to the wastewater facility which utilizes precipitation/separation and oxidation using activated carbon adsorption prior to discharge to Murder Creek via a pipeline. During the last five years, groundwater cleanup activities have not required pumping of groundwater. The permittee has requested reissuance of this permit in case the discharge of treated groundwater may be required in the future.

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.

0021: Treated Process Wastewater and Treated Groundwater

<u>Parameter</u>	<u>Monthly Avg Loading</u>	<u>Daily Max Loading</u>	<u>Daily Min Concentration</u>	<u>Monthly Avg Concentration</u>	<u>Daily Max Concentration</u>	<u>Sample Frequency</u>	<u>Sample Type</u>	<u>Basis*</u>
Oxygen, Dissolved (DO)	-	-	REPORT mg/l	-	-	Monthly	Grab	BPJ
BOD, 5-Day (20 Deg. C)	4.05 lbs/day	6.07 lbs/day	-	-	-	Monthly	Composite	BPJ
pH	-	-	REPORT S.U.	-	REPORT S.U.	Continuous	Recorder	EGL
Oil & Grease	4.18 lbs/day	8.36 lbs/day	-	-	-	Monthly	Grab	EGL
Nitrogen, Ammonia Total (As N)	2.7 lbs/day	4.05 lbs/day	-	-	-	Monthly	Composite	BPJ
Nitrogen, Kjeldahl Total (As N)	5.4 lbs/day	8.1 lbs/day	-	-	-	Monthly	Composite	BPJ
Arsenic, Total Recoverable	0.69 lbs/day	1.38 lbs/day	-	-	-	Monthly	Composite	WQBEL
Chromium Total Recoverable	0.63 lbs/day	1.25 lbs/day	-	-	-	Monthly	Composite	WQBEL/ BPJ
Copper Total Recoverable	8.20 lbs/day	8.68 lbs/day	-	-	-	Monthly	Composite	WQBEL/ BPJ
Acenaphthene	276 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	WQBEL/ BPJ
Benzo (K) Fluoranthene	0.0246 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	WQBEL
Benzo (A) Pyrene	0.0246 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	WQBEL
Chrysene	0.0246 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	WQBEL
Fluorene	REPORT lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	BPJ
Benzo (A) Anthracene	0.0246 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	WQBEL
2,4-Dimethylphenol	258 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	WQBEL
2,4,6-Trichlorophenol	3.23 lbs/day	REPORT lbs/day	-	-	-	Monthly	Grab	WQBEL
Pentachlorophenol	2.97 lbs/day	3.15 lbs/day	-	-	-	Monthly	Grab	WQBEL/ BPJ
Phenols	0.23 lbs/day	0.78 lbs/day	-	-	-	Monthly	Grab	EGL
Flow, In Conduit or Thru Treatment Plant	REPORT MGD	REPORT MGD	-	-	-	Daily	Totalizer	BPJ
Length of Longest pH Excursion	-	60 min	-	-	-	Continuous	Continuous	BPJ

Chemical Oxygen Demand (COD)	192.2 lbs/day	381.5 lbs/day	-	-	-	Monthly	Composite	EGL
Daily Excursion Time (Min)	-	-	-	446 min	REPORT min	Continuous	Continuous	BPJ
pH Range Excursions, > 60 Minutes	-	REPORT Occurrence/Month	-	-	-	Continuous	Continuous	BPJ

**002Q: Treated Process Wastewater and Treated Groundwater**

<u>Parameter</u>	<u>Monthly Avg Loading</u>	<u>Daily Max Loading</u>	<u>Daily Min Concentration</u>	<u>Monthly Avg Concentration</u>	<u>Daily Max Concentration</u>	<u>Sample Frequency</u>	<u>Sample Type</u>	<u>Basis*</u>
Toxicity, Ceriodaphnia Acute	-	0 pass(0)/fail(1)	-	-	-	Quarterly	24-Hr Composite	WQBEL
Toxicity, Pimephales Acute	-	0 pass(0)/fail(1)	-	-	-	Quarterly	24-Hr Composite	WQBEL

**003Q: Storm water associated with lumber and wood products industry including wood treating operations using preservatives containing copper, chromium, and arsenic, creosote, and chlorophenolic formulations.**

<u>Parameter</u>	<u>Monthly Avg Loading</u>	<u>Daily Max Loading</u>	<u>Daily Min Concentration</u>	<u>Monthly Avg Concentration</u>	<u>Daily Max Concentration</u>	<u>Sample Frequency</u>	<u>Sample Type</u>	<u>Basis*</u>
Arsenic, Total Recoverable	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ
Chromium Total Recoverable	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ
Copper Total Recoverable	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ
Acenaphthylene	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ
Acenaphthene	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ
Benzo (K) Fluoranthene	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ
Benzo (A) Pyrene	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ
Chrysene	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ
Fluorene	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ
Phenanthrene	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ
2,4-Dimethylphenol	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ
2,4,6-Trichlorophenol	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ
Pentachlorophenol	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ
Phenols	-	-	-		REPORT ug/l	Quarterly	Grab	BPJ

003S: Storm water associated with lumber and wood products industry including wood treating operations using preservatives containing copper, chromium, and arsenic, creosote, and chlorophenolic formulations.

<u>Parameter</u>	<u>Monthly Avg Loading</u>	<u>Daily Max Loading</u>	<u>Daily Min Concentration</u>	<u>Monthly Avg Concentration</u>	<u>Daily Max Concentration</u>	<u>Sample Frequency</u>	<u>Sample Type</u>	<u>Basis*</u>
BOD, 5-Day (20 Deg. C)	-	-	-	REPORT mg/l	REPORT mg/l	Twice per Year	Grab	BPJ
pH	-	-	REPORT S.U.	-	REPORT S.U.	Twice per Year	Grab	BPJ
Solids, Total Suspended	-	-	-	REPORT mg/l	REPORT mg/l	Twice per Year	Grab	BPJ
Oil and Grease	-	-	-	REPORT mg/l	15 mg/l	Twice per Year	Grab	BPJ
Flow, In Conduit or Thru Treatment Plant	REPORT MGD	REPORT MGD				Twice per Year	Measured	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 Requirement

## **Discussion**

### **DSN002: Treated process wastewater and treated groundwater**

Wastewater from the Pentachlorophenol treating process emanates from three main sources: drip pad wash water, green timber steam drying process condensate and vacuum pump coolant blowdown. Groundwater collected as a part of the groundwater remediation project is also treated and permitted to discharge through this outfall. Parameters regulated by effluent guidelines are: COD, Phenols, Oil & Grease and pH. Parameters needed to evaluate water quality concerns include Dissolve Oxygen, BOD, Ammonia, TKN and Biomonitoring. In addition, based on the nature of this operation, the permittee's application and data collected in association with the existing permit, additional pollutants of concern are: Acenaphthene, Pentachlorophenol, 2,4-Dimethylphenol, 2,4,6-Trichlorophenol, Benzo(A)Anthracene, Benzo(A)Pyrene, Benzo(K)Fluoranthene, Chrysene, Fluorene, Total Recoverable Copper, Total Recoverable Chromium and Total Recoverable Arsenic.

### **Best Professional Judgment (BPJ)**

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:

#### **pH**

ADEM Administrative Code, Division 6 Regulations, specifically 335-6-10-.09 – Specific Water Quality for Fish and Wildlife 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." In view of the high ratio of stream flow as compared to wastewater flow, the existing upper limit of 9.0 will be adequate to protect water quality and ensure that the instream standard is met. The continuous monitoring pH excursion footnote on the permit limit pages is based on requirements at 40 CFR 401.17. This language allows short term excursions of the 6.0 to 9.0 range but, based on BPJ will provide adequate protection of instream water quality.

#### **BOD5**

In view of the volume of flow in the receiving stream, water quality based limits are not required. The previous permit established mass limits for BOD5 based on BPJ. The existing mass limits are proposed to be continued in this permit as they have been proven to be attainable and at these levels any effect on water quality in the receiving stream will be negligible.

#### **NH3-N, TKN**

In view of the volume of flow in the receiving stream, water quality based limits are not required. Similar to BOD, the previous permit contained mass limits based on BPJ. This permit proposes to continue these limits as they have been proven to be attainable and at these levels any effect on water quality in the receiving stream will be negligible.

#### **Dissolved Oxygen**

This permit proposes to continue the monitoring requirement with no limitation as it is not needed to protect water quality.

### **Federal Effluent Guideline Limitations (EGL)**

Parameters based upon EGL have effluent guidelines established under the 40 CFR 429 Subpart G – Wood Preserving Steam Subcategory (40 CFR 429.81). The permittee's application indicates that the long term average production was 189,478 cu ft /month (highest year in the past five years). Based on a 30 day month this is 6.31 1000 cu ft/day production level. Although the permittee has indicated that there has been no discharge of process wastewater in the past five years, this permit will use the reported production to calculate guideline based limits. Calculations are shown below:

Parameter	Daily Maximum (ppd)	Monthly Average (ppd)
COD	$68.5 * 6.31 = 432.2$	$34.5 * 6.31 = 217.7$
Phenols	$0.14 * 6.31 = 0.88$	$0.04 * 6.31 = 0.25$
Oil & Grease	$1.5 * 6.31 = 9.46$	$0.75 * 6.31 = 4.73$
pH range of 6.0 to 9.0		

Current limitations will remain for these parameters based on anti-backsliding

#### **Water Quality Based Effluent Limits (WOBEL)**

Water quality based limits were calculated for Acenaphthene, Pentachlorophenol, 2,4-Dimethylphenol, 2,4,6-Trichlorophenol, TR Copper, TR Chromium, TR Arsenic, Benzo(A)Anthracene, Benzo(A)Pyrene, Benzo(K)Fluoranthene, Chrysene, and Fluorene. The organic parameters chosen are pollutants typically found associated with wood treatment using chlorophenolic compounds. The metals being tested were chosen due to the CCA operation on site. The attached spreadsheet shows the calculated water quality based limits for these parameters. The table contained in the attachment compares the water quality based limits to the limits contained in the previous permit. This permit proposes to incorporate the more stringent of the two for each of the parameters. As in the previous issuance, Fluorene will be "monitor only" due to the unlikelihood that the discharge would contain the elevated concentration determined to protect water quality.

#### **Reasonable Potential**

The Department completed a reasonable potential analysis (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 a reasonable potential does not exist to cause an in-stream water quality exceedance.

#### **Acute Toxicity Biomonitoring**

The potential volume of discharge through outfall DSN001 represents less than 1% of the stream 7Q10; therefore, acute toxicity testing is appropriate for this discharge. In previous permit re-issuances, Toxicity In-Stream Waste Concentrations (IWC) were based on a diffuser model that determined the IWC to be 0.04%. However, based on BPJ that previous permits continued the existing requirement of testing at 17% effluent. The facility has requested that the discharge no longer utilize the facility's diffuser.

Testing is proposed to be continued at 17%. Monitoring is proposed to remain at a frequency of once per quarter.

#### **303(d) List of Impaired Waters/Total Maximum Daily Load (TMDL)**

Either this stream is listed on the 303(d) List of Impaired Waters for these parameters or a TMDL has been established for these parameters, which contains certain requirements as to point and non-point sources in regards to limitations and monitoring requirements of the parameters into the receiving stream. Murder Creek is listed on the 2018 303(d) List of Impaired Waters for Mercury. The discharge is not expected to contribute to the Mercury loading in the receiving stream; therefore, Mercury monitoring will not be imposed.

#### **DSN003 : Stormwater runoff associated with lumber and wood products industry including wood treating operations using preservatives containing copper, chromium and arsenic creosote and chlorophenolic formulations**

The process related areas at this site are all covered under roof; however, stormwater does come into contact with both treated and untreated poles in storage areas, roadways, parking lots and other areas associated with industrial activity. This water is discharged through outfall DSN003. Best Management Practices (BMPs) are utilized and are believed to be the most effective way to control the contamination of stormwater. 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. The effectiveness of the BMPs will be measured through the monitoring of the pollutants of concern.

The pollutants of concern are pH, BOD, TSS, Oil & Grease, Acenaphthene, Acenaphthylene, Benzo(K)fluoranthene, Benzo(A)pyrene, Chrysene, Fluorene, Phenanthrene, Pentachlorophenol, 2,4-Dimethylphenol, 2,4,6-Trichlorophenol, Phenols, TR Copper, TR Chromium and TR Arsenic. Based on BPJ the existing quarterly monitoring requirements will be continued in this issuance with the exception of pH, BOD, Oil & Grease & TSS which shall remain at semi-annual.

#### **Oil & Grease**

This permit will continue the existing daily maximum limit of 15 mg/l for Oil & Grease. This limit has been proven to be achievable through the use of proper BMP measures and will be adequate to prevent the occurrence of a sheen in the receiving stream.

Best Management Practices (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. The effectiveness of the BMPs will be measured through the monitoring of the pollutants of concern.



Facility Name: TR Miller Mill Company, Inc.																			
NPDES No.: AL0000779																			
Freshwater F&W classification.				Freshwater Acute (µg/l) Q <sub>a</sub> = 1Q10				Freshwater Chronic (µg/l) Q <sub>a</sub> = 7Q10				Human Health Consumption Fish only (µg/l) Carcinogen Q <sub>a</sub> = Annual Average Non-Carcinogen Q <sub>a</sub> = 7Q10							
ID	Pollutant	RP?	Carcinogen yes	Background from upstream source (C <sub>25</sub> ) Daily Max	Max Daily Discharge as reported by Applicant (C <sub>25</sub> )	Water Quality Criteria (C <sub>1</sub> )	Draft Permit Limit (C <sub>25</sub> )	20% of Draft Permit Limit	RP?	Background from upstream source (C <sub>25</sub> ) Monthly Ave	Avg Daily Discharge as reported by Applicant (C <sub>25</sub> )	Water Quality Criteria (C <sub>1</sub> )	Draft Permit Limit (C <sub>25</sub> )	20% of Draft Permit Limit	RP?	Water Quality Criteria (C <sub>1</sub> )	Draft Permit Limit (C <sub>25</sub> )	20% of Draft Permit Limit	RP?
1	Antimony			0	0	-	-	-		0	0	-	-	-		3.72E+02	3.10E+08	6.19E+05	No
2	Arsenic		YES	0	5.1	502.334	3683471.753	736694.351	No	0	2.7	281.324	2166717.281	433343.456	No	3.03E-01	1.33E+04	2.66E+03	No
3	Beryllium			0	0	-	-	-		0	0	-	-	-		-	-	-	-
4	Cadmium			0	0	4.347	27032.914	5406.583	No	0	0	0.644	5336.362	1067.272	No	-	-	-	-
5	Chromium/ Chromium III			0	6	1837.913	9563614.512	1912722.902	No	0	3	200.051	1658682.764	331736.553	No	-	-	-	-
6	Chromium/ Chromium VI			0	0	18.000	99497.072	19899.414	No	0	0	11.000	91204.353	18240.871	No	-	-	-	-
7	Copper			0	290	18.026	112098.227	22419.645	No	0	39.2	12.766	105843.221	21168.644	No	-	-	-	-
8	Lead			0	0	146.291	909719.408	181943.862	No	0	0	5.701	47266.607	9453.321	No	-	-	-	-
9	Mercury			0	0	2.400	14924.561	2984.912	No	0	0	0.012	99.496	19.899	No	4.24E-02	3.52E+02	7.04E+01	No
10	Nickel			0	0	515.824	3207888.319	641537.664	No	0	0	57.292	475026.767	95005.353	No	9.93E+02	8.23E+08	1.65E+06	No
11	Selenium			0	0	20.000	124371.340	24874.268	No	0	0	5.000	41456.524	8291.305	No	2.43E+03	2.02E+07	4.03E+06	No
12	Silver			0	0	0.976	6072.073	1214.415	No	0	0	-	-	-		-	-	-	-
13	Thallium			0	0	-	-	-		0	0	-	-	-		2.74E-01	2.27E+03	4.54E+02	No
14	Zinc			0	0	187.309	1227351.169	245470.234	No	0	0	168.983	1649831.010	329965.202	No	1.49E+04	1.23E+08	2.47E+07	No
15	Cyanide			0	0	22.000	130608.474	27361.695	No	0	0	5.200	43114.785	8622.957	No	9.33E+03	7.74E+07	1.55E+07	No
16	Total Phenolic Compounds			0	0	-	-	-		0	0	-	-	-		-	-	-	-
17	Hardness (As CaCO3)			0	0	-	-	-		0	0	-	-	-		-	-	-	-
18	Acrolein			0	0	-	-	-		0	0	-	-	-		5.43E+00	4.50E+04	9.00E+03	No
19	Acrylonitrile		YES	0	0	-	-	-		0	0	-	-	-		1.44E-01	6.33E+03	1.27E+03	No
20	Aldrin		YES	0	0	3.000	18655.701	3731.140	No	0	0	-	-	-		2.94E-05	1.29E+00	2.58E-01	No
21	Benzene		YES	0	0	-	-	-		0	0	-	-	-		1.55E+01	6.80E+05	1.36E+05	No
22	Bromoforn		YES	0	0	-	-	-		0	0	-	-	-		7.80E+01	3.46E+06	6.92E+05	No
23	Carbon Tetrachloride		YES	0	0	-	-	-		0	0	-	-	-		9.57E+01	4.20E+04	8.41E+03	No
24	Chlordane		YES	0	0	2.400	14924.561	2984.912	No	0	0	0.0043	35.653	7.131	No	4.73E-04	2.06E+01	4.15E+00	No
25	Chlorobenzene			0	0	-	-	-		0	0	-	-	-		-	-	-	-
26	Chlorodibromo-Methane		YES	0	0	-	-	-		0	0	-	-	-		7.41E+00	3.25E+05	6.51E+04	No
27	Chloroethane			0	0	-	-	-		0	0	-	-	-		-	-	-	-
28	2-Chloro-Ethylvinyl Ether			0	0	-	-	-		0	0	-	-	-		-	-	-	-
29	ChloroForm		YES	0	0	-	-	-		0	0	-	-	-		1.02E+02	4.48E+06	8.96E+05	No
30	4,4'- DDD		YES	0	0	-	-	-		0	0	-	-	-		1.81E-04	7.97E+00	1.59E+00	No
31	4,4'- DDE		YES	0	0	-	-	-		0	0	-	-	-		1.26E-04	5.62E+00	1.12E+00	No
32	4,4'- DDT		YES	0	0	1.100	6840.424	1368.085	No	0	0	0.001	8.291	1.658	No	1.26E-04	5.62E+00	1.12E+00	No
33	Dichlorobromo-Methane		YES	0	0	-	-	-		0	0	-	-	-		1.00E+01	4.41E+05	8.82E+04	No
34	1,1-Dichloroethane			0	0	-	-	-		0	0	-	-	-		-	-	-	-
35	1,2-Dichloroethane		YES	0	0	-	-	-		0	0	-	-	-		2.14E+01	9.39E+05	1.88E+05	No
36	Trans-1, 2-Dichloro-Ethylene			0	0	-	-	-		0	0	-	-	-		5.81E+03	4.90E+07	9.80E+06	No
37	1,1-Dichloroethylene		YES	0	0	-	-	-		0	0	-	-	-		4.17E+03	1.83E+08	3.66E+07	No
38	1,2-Dichloropropane			0	0	-	-	-		0	0	-	-	-		6.49E+00	7.04E+04	1.41E+04	No
39	1,3-Dichloro-Propylene			0	0	-	-	-		0	0	-	-	-		1.23E+01	1.02E+05	2.04E+04	No
40	Dieldrin		YES	0	0	0.240	1492.456	298.491	No	0	0	0.056	464.313	92.863	No	3.12E-03	1.37E+00	2.74E-01	No
41	Ethylbenzene			0	0	-	-	-		0	0	-	-	-		1.24E+03	1.03E+07	2.06E+06	No
42	Methyl Bromide			0	0	-	-	-		0	0	-	-	-		6.71E+02	7.22E+06	1.44E+06	No
43	Methyl Chloride			0	0	-	-	-		0	0	-	-	-		-	-	-	-
44	Methylene Chloride		YES	0	0	-	-	-		0	0	-	-	-		3.40E+02	1.52E+07	3.04E+06	No
45	1,1,2,2-Tetrachloro-Ethane		YES	0	0	-	-	-		0	0	-	-	-		2.33E+00	1.02E+05	2.05E+04	No
46	Tetrachloro-Ethylene		YES	0	0	-	-	-		0	0	-	-	-		1.82E+00	8.42E+04	1.68E+04	No
47	Toluene			0	0	-	-	-		0	0	-	-	-		9.72E+03	7.23E+07	1.45E+07	No
48	Toxaphene		YES	0	0	0.790	4539.554	907.911	No	0	0	0.0002	1.658	0.332	No	1.62E-04	7.11E+00	1.42E+00	No
49	Tributyltin (TBT)		YES	0	0	0.460	2860.541	572.108	No	0	0	0.072	566.974	119.395	No	-	-	-	-
50	1,1,1-Trichloroethane			0	0	-	-	-		0	0	-	-	-		-	-	-	-
51	1,1,2-Trichloroethane		YES	0	0	-	-	-		0	0	-	-	-		8.10E+00	4.00E+05	7.99E+04	No
52	Trichloroethylene		YES	0	0	-	-	-		0	0	-	-	-		1.75E+01	7.87E+05	1.53E+05	No
53	Vinyl Chloride		YES	0	0	-	-	-		0	0	-	-	-		1.42E+00	6.26E+04	1.25E+04	No
54	P-Chloro-M-Cresol			0	0	-	-	-		0	0	-	-	-		-	-	-	-
55	2-Chlorophenol			0	0	-	-	-		0	0	-	-	-		8.71E+01	7.22E+05	1.44E+05	No
56	2,4-Dichlorophenol			0	0	-	-	-		0	0	-	-	-		1.72E+02	1.43E+06	2.85E+05	No
57	2,4-Dimethylphenol			0	0	-	-	-		0	0	-	-	-		4.86E+02	4.13E+06	8.25E+05	No
58	4,6-Dinitro-O-Cresol			0	0	-	-	-		0	0	-	-	-		-	-	-	-
59	4,6-Dinitrophenol			0	0	-	-	-		0	0	-	-	-		3.11E+03	2.58E+07	5.16E+06	No
60	4,6-Dinitro-2-methylphenol		YES	0	0	-	-	-		0	0	-	-	-		1.65E+02	7.27E+06	1.45E+06	No
61	Dioxin (2,3,7,8-TCDD)		YES	0	0	-	-	-		0	0	-	-	-		2.87E-08	1.17E-03	2.34E-04	No
62	2-Nitrophenol			0	0	-	-	-		0	0	-	-	-		-	-	-	-
63	4-Nitrophenol			0	0	-	-	-		0	0	-	-	-		-	-	-	-
64	Pentachlorophenol		YES	0	0	8.723	54248.565	10849.311	No	0	0	6.893	55490.251	11098.050	No	1.77E+00	7.76E+04	1.55E+04	No
65	Phenol			0	12	-	-	-		0	5.5	-	-	-		5.02E+05	4.15E+09	8.29E+08	No
66	2,4,6-Trichlorophenol		YES	0	0	-	-	-		0	0	-	-	-		1.41E+00	6.21		



Facility Name: **TR Miller Mill Company, Inc.**NPDES No.: **AL0000779**

8/13/2017

$Q_d * C_d + Q_{d2} * C_{d2} + Q_s * C_s = Q * C_r$						Enter Max Daily Discharge as reported by Applicant (C <sub>d</sub> ) Max	Enter Avg Daily Discharge as reported by Applicant (C <sub>d</sub> ) Ave	Partition Coefficient (Stream / Lake)
ID	Pollutant	Carcinogen "yes"	Type	Background from upstream source (C <sub>d2</sub> ) Daily Max	Background from upstream source (C <sub>d2</sub> ) Monthly Ave	Background Instream (C <sub>d</sub> ) Daily Max	Background Instream (C <sub>d</sub> ) Monthly Ave	
1	Antimony		Metals	0	0	0	0	-
2	Arsenic**	YES	Metals	0	0	0	5.1	0.574
3	Beryllium		Metals	0	0	0	0	-
4	Cadmium**		Metals	0	0	0	0	0.236
5	Chromium / Chromium III**		Metals	0	0	0	6	0.210
6	Chromium / Chromium VI**		Metals	0	0	0	0	-
7	Copper**		Metals	0	0	0	200	0.366
8	Lead**		Metals	0	0	0	0	0.206
9	Mercury**		Metals	0	0	0	0	0.302
10	Nickel**		Metals	0	0	0	0	0.505
11	Selenium		Metals	0	0	0	0	-
12	Silver		Metals	0	0	0	0	-
13	Thallium		Metals	0	0	0	0	-
14	Zinc**		Metals	0	0	0	0	0.330
15	Cyanide		Metals	0	0	0	0	-
16	Total Phenolic Compounds		Metals	0	0	0	0	-
17	Hardness (As CaCO3)		Metals	0	0	0	0	-
18	Acrolein		VOC	0	0	0	0	-
19	Acrylonitrile*	YES	VOC	0	0	0	0	-
20	Aldrin		VOC	0	0	0	0	-
21	Benzene*	YES	VOC	0	0	0	0	-
22	Bromoform*	YES	VOC	0	0	0	0	-
23	Carbon Tetrachloride*	YES	VOC	0	0	0	0	-
24	Chlordane	YES	VOC	0	0	0	0	-
25	Chlorobenzene		VOC	0	0	0	0	-
26	Chlorodibromo-Methane*	YES	VOC	0	0	0	0	-
27	Chloroethane		VOC	0	0	0	0	-
28	2-Chloro-Ethyl Vinyl Ether		VOC	0	0	0	0	-
29	Chloroform*	YES	VOC	0	0	0	0	-
30	4,4'-DDD	YES	VOC	0	0	0	0	-
31	4,4'-DDE	YES	VOC	0	0	0	0	-
32	4,4'-DDT	YES	VOC	0	0	0	0	-
33	Dichlorodibromo-Methane*	YES	VOC	0	0	0	0	-
34	1,1-Dichloroethane	YES	VOC	0	0	0	0	-
35	1,2-Dichloroethane*	YES	VOC	0	0	0	0	-
36	Trans-1,2-Dichloro-Ethylene		VOC	0	0	0	0	-
37	1,1-Dichloroethylene*	YES	VOC	0	0	0	0	-
38	1,2-Dichloropropane		VOC	0	0	0	0	-
39	1,3-Dichloro-Propylene		VOC	0	0	0	0	-
40	Dieldrin	YES	VOC	0	0	0	0	-
41	Ethylbenzene		VOC	0	0	0	0	-
42	Methyl Bromide		VOC	0	0	0	0	-
43	Methyl Chloride		VOC	0	0	0	0	-
44	Methylene Chloride*	YES	VOC	0	0	0	0	-
45	1,1,2,2-Tetrachloro-Ethane*	YES	VOC	0	0	0	0	-
46	Tetrachloro-Ethylene*	YES	VOC	0	0	0	0	-
47	Toluene		VOC	0	0	0	0	-
48	Toxaphene	YES	VOC	0	0	0	0	-
49	Tributyltin (TBT)	YES	VOC	0	0	0	0	-
50	1,1,1-Trichloroethane		VOC	0	0	0	0	-
51	1,1,2-Trichloroethane*	YES	VOC	0	0	0	0	-
52	Trichloroethylene*	YES	VOC	0	0	0	0	-
53	Vinyl Chloride*	YES	VOC	0	0	0	0	-
54	p-Chloro-m-Cresol		Acids	0	0	0	0	-
55	2-Chlorophenol		Acids	0	0	0	0	-
56	2,4-Dichlorophenol		Acids	0	0	0	0	-
57	2,4-Dimethylphenol		Acids	0	0	0	0	-
58	4,6-Dinitro-o-Cresol		Acids	0	0	0	0	-
59	2,4-Dinitrophenol		Acids	0	0	0	0	-
60	4,6-Dinitro-2-methylphenol		Acids	0	0	0	0	-
61	Dioxin (2,3,7,8-TCDD)	YES	Acids	0	0	0	0	-
62	2-Nitrophenol		Acids	0	0	0	0	-
63	4-Nitrophenol		Acids	0	0	0	0	-
64	Pentachlorophenol*	YES	Acids	0	0	0	0	-
65	Phenol		Acids	0	0	0	12	5.5
66	2,4,6-Trichloropheno*	YES	Bases	0	0	0	0	-
67	Acenaphthene		Bases	0	0	0	0	-
68	Acenaphthylene		Bases	0	0	0	0	-
69	Anthracene		Bases	0	0	0	0	-
70	Benzidine		Bases	0	0	0	0	-
71	Benzo(A)Anthracene*	YES	Bases	0	0	0	0	-
72	Benzo(A)Pyrene*	YES	Bases	0	0	0	0	-
73	3,4-Benzo-Fluoranthene		Bases	0	0	0	0	-
74	Benzo(GH)Perylene		Bases	0	0	0	0	-
75	Benzo(K)Fluoranthene		Bases	0	0	0	0	-
76	Bis (2-Chloroethoxy) Methane		Bases	0	0	0	0	-
77	Bis (2-Chloroethyl)-Ether*	YES	Bases	0	0	0	0	-
78	Bis (2-Chloroisopropyl) Ether		Bases	0	0	0	0	-
79	Bis (2-Ethylhexyl) Phthalate*	YES	Bases	0	0	0	0	-
80	4-Bromophenyl Phenyl Ether		Bases	0	0	0	0	-
81	Butyl Benzyl Phthalate		Bases	0	0	0	0	-
82	2-Chloronaphthalene		Bases	0	0	0	0	-
83	4-Chlorophenyl Phenyl Ether		Bases	0	0	0	0	-
84	Chrysene*	YES	Bases	0	0	0	0	-
85	Di-N-Butyl Phthalate		Bases	0	0	0	0	-
86	Di-N-Octyl Phthalate		Bases	0	0	0	0	-
87	Dibenzo(A,H)Anthracene*	YES	Bases	0	0	0	0	-
88	1,2-Dichlorobenzene		Bases	0	0	0	0	-
89	1,3-Dichlorobenzene		Bases	0	0	0	0	-
90	1,4-Dichlorobenzene		Bases	0	0	0	0	-
91	3,3-Dichlorobenzidine*	YES	Bases	0	0	0	0	-
92	Diethyl Phthalate		Bases	0	0	0	0	-
93	Dimethyl Phthalate		Bases	0	0	0	0	-
94	2,4-Dinitrotoluene*	YES	Bases	0	0	0	0	-
95	2,6-Dinitrotoluene		Bases	0	0	0	0	-
96	1,2-Diphenylhydrazine		Bases	0	0	0	0	-
97	Endosulfan (alpha)	YES	Bases	0	0	0	0	-
98	Endosulfan (beta)	YES	Bases	0	0	0	0	-
99	Endosulfan sulfate	YES	Bases	0	0	0	0	-
100	Endrin	YES	Bases	0	0	0	0	-
101	Endrin Aldehyde	YES	Bases	0	0	0	0	-
102	Fluoranthene		Bases	0	0	0	0	-
103	Fluorene		Bases	0	0	0	0	-
104	Heptachlor	YES	Bases	0	0	0	0	-
105	Heptachlor Epoxide	YES	Bases	0	0	0	0	-
106	Hexachlorobenzene*	YES	Bases	0	0	0	0	-
107	Hexachlorobutadiene*	YES	Bases	0	0	0	0	-
108	Hexachlorocyclohexane (alpha)	YES	Bases	0	0	0	0	-
109	Hexachlorocyclohexane (beta)	YES	Bases	0	0	0	0	-
110	Hexachlorocyclohexane (gamma)	YES	Bases	0	0	0	0	-
111	Hexachlorocyclopentadiene		Bases	0	0	0	0	-
112	Hexachloroethane		Bases	0	0	0	0	-
113	Indeno(1,2,3-CD)Pyrene*	YES	Bases	0	0	0	0	-
114	Isophorone		Bases	0	0	0	0	-
115	Naphthalene		Bases	0	0	0	0	-
116	Nitrobenzene		Bases	0	0	0	0	-
117	N-Nitrosodi-N-Propylamine*	YES	Bases	0	0	0	0	-
118	N-Nitrosodi-N-Methylamine*	YES	Bases	0	0	0	0	-
119	N-Nitrosodi-N-Phenylamine*	YES	Bases	0	0	0	0	-
120	PCB-1016	YES	Bases	0	0	0	0	-
121	PCB-1221	YES	Bases	0	0	0	0	-
122	PCB-1232	YES	Bases	0	0	0	0	-
123	PCB-1242	YES	Bases	0	0	0	0	-
124	PCB-1248	YES	Bases	0	0	0	0	-
125	PCB-1254	YES	Bases	0	0	0	0	-
126	PCB-1260	YES	Bases	0	0	0	0	-
127	Phenanthrene		Bases	0	0	0	0	-
128	Pyrene		Bases	0	0	0	0	-
129	1,2,4-Trichlorobenzene		Bases	0	0	0	0	-

0.01	Enter Q <sub>d</sub> = wastewater discharge flow from facility (MGD)
0.01547229	Q <sub>d</sub> = wastewater discharge flow (cfs) (this value is calculated from the MGD)
0	Enter flow from upstream discharge Q <sub>d2</sub> = background stream flow in MGD above point of discharge
0	Q <sub>d2</sub> = background stream flow from upstream source (cfs)
128.27	Enter TQ10, Q <sub>s</sub> = background stream flow in cfs above point of discharge
96.2	Enter or estimated, TQ10, Q <sub>s</sub> = background stream flow in cfs above point of discharge (TQ10 estimated at 75% of TQ10)
679.58	Enter Mean Annual Flow, Q <sub>s</sub> = background stream flow in cfs above point of discharge
211.25	Enter TQ2, Q <sub>s</sub> = background stream flow in cfs above point of discharge (For LWF class streams)
Enter to Left	Enter C <sub>s</sub> = background in-stream pollutant concentration in µg/l (assuming this is zero "0" unless there is data)
Q <sub>s</sub> + Q <sub>d2</sub> + Q <sub>d</sub>	Q <sub>s</sub> = resultant in-stream flow, after discharge
Calculated on other	C <sub>s</sub> = resultant in-stream pollutant concentration in µg/l in the stream (after complete mixing occurs)
50	Enter, Background Hardness above point of discharge (assumed 50 South of Birmingham and 100 North of Birmingham)
7.00 s.u.	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

May 14, 2020

## Water Quality Calculations for TR Miller

May 12, 2020

Process Flow=	0.01 MGD		
Murder Creek 7Q10 =	128.7 cfs	83.2 MGD	154.560852
Murder Creek 1Q10 =	96.2 cfs	62.2 MGD	115.576308
Murder Creek Annual Average Flow =	679.58 cfs	439.2 MGD	816.095088

Parameter	Existing Daily Max Limit	Existing Monthly Average Limit	WQ Acute Limit	WQ Chronic Limit	Human Health Limit
Acenaphthene	N/A	276 ppd	N/A	N/A	401.7 ppd
Pentachlorophenol	3.15 ppd	2.97 ppd	4.51 ppd	4.65 ppd	6.48 ppd
2,4 Dimethylphenol	N/A	258 ppd	N/A	N/A	345.59 ppd
2,4,6 TCP	N/A	3.23 ppd	N/A	N/A	5.18 ppd
Total Recoverable Copper	8.68 ppd	8.2 ppd	23.86 ppd	22.9 ppd	N/A
Total Recoverable Chromium	1.25 ppd	0.63 ppd	3792 ppd	8166 ppd	N/A
Total Recoverable Arsenic	1.38 ppd	0.69 ppd	534.4 ppd	170.89 ppd	1.01 ppd
Benzo (A) Anthracene	N/A	0.0246 ppd	N/A	N/A	0.0392 ppd
Benzo (A) Pyrene	N/A	0.0246 ppd	N/A	N/A	0.0392 ppd
Benzo (K) Fluoranthene	N/A	0.0246 ppd	N/A	N/A	0.0392 ppd
Chrysene	N/A	0.0246 ppd	N/A	N/A	0.0392 ppd
Flourene	N/A	N/A	N/A	N/A	11396 ppd

<b>Acenaphthene (Non-Carcinogen)</b>		Human Health Criteria = 0.579 mg/l	
Limit=	$(83.2 + 0.01) \times (0.579) / 0.01 =$	4817.8 mg/l	4817.859
Human Health Mass Limit=	$4817.8 \times 8.34 \times .01 =$	401.7 ppd	401.752812

<b>Pentachlorophenol (Carcinogen)</b>		Using a pH of 7.0 s.u. Freshwater Acute Aquatic Concentration = 0.0087 mg/l Freshwater Chronic Aquatic Concentration = 0.0067 mg/l	
		Human Health Criteria = 0.00177 mg/l	
Limit (acute) =	$(62.2 + 0.01) \times 0.0087 / 0.01 =$	54.12 mg/l	54.1227
Acute Mass Limit=	$54.12 \times 8.34 \times 0.01 =$	4.51 ppd	4.513608
Limit (Chronic) =	$(83.2 + 0.01) \times 0.0067 / 0.01 =$	55.75 mg/l	55.7507
Chronic Mass Limit=	$55.75 \times 8.34 \times 0.01 =$	4.65 ppd	4.64955
Limit (human health) =	$(439.2 + 0.01) \times 0.00177 / 0.01 =$	77.7 mg/l	77.74017
HH Mass Limit=	$77.7 \times 8.34 \times 0.01 =$	6.48 ppd	6.48018

<b>2,4 Dimethylphenol (Non-Carcinogen)</b>		Human Health Criteria = 0.498 mg/l	
Limit=	$(83.2 + 0.01) \times (0.498) / 0.01 =$	4143.8 mg/l	4143.858
Human Health Mass Limit=	$4143.8 \times 8.34 \times .01 =$	345.59 ppd	345.59292

<b>2,4,6 TCP (Carcinogen)</b>	Human Health Criteria = 0.00141414 mg/l
-------------------------------	---

Limit (human health) =	$(439.2+0.01) \times 0.001414 / 0.01 =$	62.1 mg/l	62.104294
HH Mass Limit=	$62.1 \times 8.34 \times 0.01 =$	5.18 ppd	5.17914

#### Copper

Using a hardness of 50 mg/l  
 Freshwater Acute Aquatic Concentration = 0.018 mg/l  
 Freshwater Chronic Aquatic Concentration = 0.0127 mg/l  
 with Partition Coefficient  
 Freshwater Acute Aquatic Concentration = 0.046 mg/l  
 Freshwater Chronic Aquatic Concentration = 0.033 mg/l

Limit (acute) =	$(62.2+0.01) \times 0.046 / 0.01 =$	286.17 mg/l	286.166
Acute Mass Limit=	$286.17 \times 8.34 \times 0.01 =$	23.86 ppd	23.866578
Limit (Chronic) =	$(83.2+0.033) \times 0.017 / 0.01 =$	274.59 mg/l	274.593
Chronic Mass Limit=	$274.59 \times 8.34 \times 0.01 =$	22.9 ppd	22.900806

#### Chromium

Using a hardness of 50 mg/l  
 Freshwater Acute Aquatic Concentration = 1.537 mg/l  
 Freshwater Chronic Aquatic Concentration = 0.2 mg/l  
 with Partition Coefficient  
 Freshwater Acute Aquatic Concentration = 7.31 mg/l  
 Freshwater Chronic Aquatic Concentration = 0.952 mg/l

Limit (acute) =	$(62.2+0.01) \times 7.31 / 0.01 =$	45475.51 mg/l	45475.51
Acute Mass Limit=	$45475.51 \times 8.34 \times 0.01 =$	3792 ppd	3792.62334
Limit (Chronic) =	$(83.2+0.01) \times 0.952 / 0.01 =$	9549.0 mg/l	7921.592
Chronic Mass Limit=	$7921 \times 8.34 \times 0.01 =$	8166 ppd	8166.6114

#### Arsenic (Carcinogen)

Human Health Concentration = 0.003 mg/l  
 Freshwater Acute Aquatic Concentration = 0.592 mg/l  
 Freshwater Chronic Aquatic Concentration = 0.261 mg/l  
 with Partition Coefficient  
 Freshwater Acute Aquatic Concentration = 1.03 mg/l  
 Freshwater Chronic Aquatic Concentration = 0.455 mg/l

Limit (acute) =	$(62.2+0.01) \times 1.03 / 0.01 =$	6407.6 mg/l	6407.63
Acute Mass Limit=	$6407.6 \times 8.34 \times 0.01 =$	534.4 ppd	534.396342
Limit (Chronic) =	$(83.2+0.01) \times 0.455 / 0.01 =$	3786 mg/l	3786.055
Chronic Mass Limit=	$3786 \times 8.34 \times 0.01 =$	170.89 ppd	315.7524
Limit (human health) =	$(439.2+0.01) \times 0.0003 / 0.01 =$	13.18 mg/l	13.1763
HH Mass Limit=	$13.18 \times 8.34 \times 0.01 =$	1.01 ppd	1.099212

#### Benzo (a) Anthracene (Carcinogen)

Human Health Criteria = 0.0000107 mg/l

Limit (human health) =	$(439.2+0.01) \times 0.0000107 / 0.01 =$	0.47 mg/l	0.4699547
HH Mass Limit=	$0.47 \times 8.34 \times 0.01 =$	0.0392 ppd	0.039198

<b>Benzo (a) Pyrene (Carcinogen)</b>		Human Health Criteria = 0.0000107 mg/l	
Limit (human health) =	$(439.2+0.01) \times 0.0000107 / 0.01 =$	0.47 mg/l	0.4699547
HH Mass Limit=	$0.47 \times 8.34 \times 0.01 =$	0.0392 ppd	0.039198
<b>Benzo (K) Fluoranthene (Carcinogen)</b>		Human Health Criteria = 0.0000107 mg/l	
Limit (human health) =	$(439.2+0.01) \times 0.0000107 / 0.01 =$	0.47 mg/l	0.4699547
HH Mass Limit=	$0.47 \times 8.34 \times 0.01 =$	0.0392 ppd	0.039198
<b>Chrysene(Carcinogen)</b>		Human Health Criteria = 0.0000107 mg/l	
Limit (human health) =	$(439.2+0.01) \times 0.0000107 / 0.01 =$	0.47 mg/l	0.4699547
HH Mass Limit=	$0.47 \times 8.34 \times 0.01 =$	0.0392 ppd	0.039198
<b>Fluorene</b>		Human Health Criteria = 3.111 mg/l	
Limit (human health) =	$(439.2+0.01) \times 3.111 / 0.01 =$	136638 mg/l	136638.231
HH Mass Limit=	$136638 \times 8.34 \times 0.01 =$	11396 ppd	11395.6092



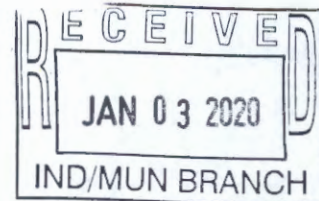
**T. R. MILLER MILL COMPANY, INC.  
BREWTON, ALABAMA**

---

**NPDES Permit Renewal Application**

---

**Prepared By:  
H. M. Rollins Company, Inc.  
P. O. Box 3471  
Gulfport, Mississippi 39505  
(228) 832-1738**



**December 30, 2019**

## **INTRODUCTION**

T. R. Miller Mill Company, Inc. (T. R. Miller) operates a wood preserving plant on its site at 215 Deer Street in Brewton, Alabama. The location and layout of the site can be seen in the drawings located in Exhibit 5 of this application. The facility uses the oil-borne wood preservative, pentachlorophenol (penta) and the water-borne preservative chromated copper arsenate (CCA). The preservatives are applied to wood products, primarily utility poles, in pressure retorts at separate plants on the T. R. Miller site.

T. R. Miller's wood preserving operations and NPDES permit have been largely unchanged over the past 10 years. The permit was reissued on April 2, 2010, and June 24, 2015. The current permit expires on June 30, 2020. This permit covers discharges of storm water associated with industrial activity, treated process wastewater from the pentachlorophenol wood preserving operations, and treated groundwater (under the facility's Resource Conservation and Recovery Act (RCRA) Hazardous Waste Post-Closure Permit). No treated groundwater or treated penta process wastewater has been discharged over the past two permit cycles (Outfall 002), only storm water (Outfall 003).

## **WATER TREATMENT SYSTEM (OUTFALL 002)**

The present water treatment system uses physical treatment followed by chemical oxidation to remove the contaminants from the effluent. The system was designed to treat the combined flow of process wastewater from the penta plant and contaminated groundwater. The influent stream is first subjected to oil/water separation and is then chemically oxidized by the use of a very high power ultraviolet light. If the system operated, the effluent would be discharged via an underground pipe that runs to Murder Creek where it would be diffused into the stream. A line drawing of the treatment system

is included in Exhibit 6. Note that there is no process wastewater discharge from the CCA plant, which is prohibited from discharging per 40 CFR Part 429 Subpart F. All process wastewater from the CCA Plant is reused in the process.

Since T. R. Miller is no longer actively recovering groundwater and no penta process wastewater has been treated during the last two permit cycles, this treatment system has not been operated under the present permit; however, the discharge must remain as a permitted and monitored discharge in the event ADEM requires T. R. Miller to restart active groundwater remediation. In 2020, for the upcoming permit renewal, the UV treatment system is being replaced with a system employing activated carbon adsorption as described under Facility Changes and Requested Permit Modifications.

### **STORM WATER (OUTFALL 003)**

Representative storm water discharge from the facility is located at Outfall 003. The location of this outfall may be seen on the drawings in Exhibit 5.

The facility's current permit requires that storm water be monitored on a quarterly and semiannual basis, using only grab samples. As a result, all of the data that is readily available is data from grab samples. Form 2F requests information from composite sampling, but no recent data is available. The facility supplied composite data in the early 1990's as part of the original permit application, and it is not believed that there have been any changes in the operations at the facility since that time which would be expected to increase contaminants in the discharge. Laboratory-confirmed results above the method detection limit, including estimated values, from 2015 through 2019 are reported in this application.



## **FACILITY CHANGES AND REQUESTED PERMIT MODIFICATIONS**

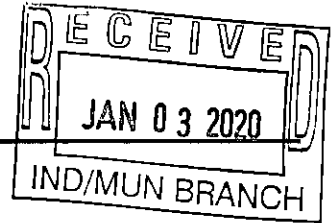
Due to the operational complexity, the inability to handle low volume periodic flows, and the significant maintenance requirements of the present treatment system, T. R. Miller is planning to replace the UV system with a new activated carbon treatment system. This system will be designed to meet present applicable limits and have a batch flow of no more than 1,000 GPD with a flow rate of 5 gpm when process wastewater alone is discharged. The system will have the capacity for higher flows on a continuous basis in the event that ADEM requires a resumption of active groundwater remediation. Process wastewater will be treated in batches, and the treated wastewater will be stored in a tank prior to sampling and analysis of the batch. Once analytical results indicate that all parameters are below the permit limits, the batch will be discharged at a rate of approximately 5 gpm. T. R. Miller is requesting permission to discharge this low volume flow into existing surface drainage on-site as it would be difficult to pump at this low rate through the existing pipe running to Murder Creek. The discharge of the treated process wastewater to on-site drainage would be beneficial as some volume would evaporate or percolate into the ground enroute and any flow that reached Murder Creek would be fully oxygenated during its transit.

The system will be made ready for use in the first half of 2020, and it will be utilized once the permit authorizing the discharge has been reissued. While this system is intended for use on the pentachlorophenol process wastewater, carbon adsorption will also be utilized for treatment of contaminated groundwater should ADEM require active remediation at a future time.

**ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM)**  
**NPDES INDIVIDUAL PERMIT APPLICATION**  
**SUPPLEMENTARY INFORMATION FOR INDUSTRIAL FACILITIES**

**Instructions:** This form should be used to submit the required supplementary information for an application for an NPDES individual permit for industrial facilities. The completed application should be submitted to ADEM in duplicate. If insufficient space is available to address any item, please continue on an attached sheet of paper. Please mark "N/A" in the appropriate box when an item is not applicable to the applicant. Please type or print legibly in blue or black ink. Mail the completed application to:

ADEM-Water Division  
Industrial Section  
P O Box 301463  
Montgomery, AL 36130-1463



**PURPOSE OF THIS APPLICATION**

- ☐ Initial Permit Application for New Facility\*  
☐ Modification of Existing Permit  
☐ Revocation & Reissuance of Existing Permit

- ☐ Initial Permit Application for Existing Facility\*  
☒ Reissuance of Existing Permit

\* An application for participation in the ADEM's Electronic Environmental (E2) Reporting must be submitted to allow permittee to electronically submit reports as required.

**SECTION A - GENERAL INFORMATION**

1. Facility Name: T. R. Miller Mill Company, Inc.
- a. Operator Name: T. R. Miller Mill Company, Inc.
- b. Is the operator identified in A.1.a, the owner of the facility? ☒ Yes ☐ No  
If no, provide name and address of the operator and submit information indicating the operator's scope of responsibility for the facility.  
\_\_\_\_\_  
\_\_\_\_\_
2. NPDES Permit Number: AL 0000779 (not applicable if initial permit application)
3. SID Permit Number (if applicable): IU \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_
4. NPDES General Permit Number (if applicable): ALG \_\_\_\_\_
5. Facility Physical Location: (Attach a map with location marked; street, route no. or other specific identifier)  
Street: 215 Deer St.  
City: Brewton County: Escambia State: AL Zip: 36426  
Facility Location (Front Gate): Latitude: 31.104092 Longitude: -87.068021
6. Facility Mailing Address: P. O. Box 708  
City: Brewton County: Escambia State: AL Zip: 36427
7. Responsible Official (as described on the last page of this application):  
Name and Title: Richard K. Stanley  
Address: 215 Deer St.  
City: Brewton State: AL Zip: 36426  
Phone Number: 251-867-4331 Email Address: rks@trmillermill.com
8. Designated Facility Contact:  
Name and Title: David Brittain  
Phone Number: 251-867-4331 Email Address: dbrittain@trmillermill.com

9. Designated Discharge Monitoring Report (DMR) Contact:

Name and Title: David Brittain

Phone Number: 251-867-4331

Email Address: dbrittain@trmillermill.com

10. Type of Business Entity:

- ☒ Corporation    ☐ General Partnership    ☐ Limited Partnership    ☐ Limited Liability Company    ☐ Sole Proprietorship  
☐ Other (Please Specify) \_\_\_\_\_

11. Complete this section if the Applicant's business entity is a Corporation

a) Location of Incorporation:

Address: 215 Deer St.

City: Brewton County: Escambia State: AL Zip: 36426

b) Parent Corporation of Applicant:

Name: N/A

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

c) Subsidiary Corporation(s) of Applicant:

Name: N/A

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

d) Corporate Officers:

Name: Richard K. Stanley

Address: 215 Deer St.

City: Brewton State: AL Zip: 36426

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

e) Agent designated by the corporation for purposes of service:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

12. If the Applicant's business entity is a Partnership, please list the general partners.

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

13. If the Applicant's business entity is a Proprietorship, please enter the proprietor's information.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

14. Permit numbers for Applicant's previously issued NPDES Permits and identification of any other State of Alabama Environmental Permits presently held by the Applicant, its parent corporation, or subsidiary corporations within the State of Alabama:

<u>Permit Name</u>	<u>Permit Number</u>	<u>Held By</u>
NPDES (Pole Division, Indiv.)	AL0000779	Applicant
NPDES (Lumber Div., General)	ALG060076	Applicant
RCRA/HSWA	ALD008161416	Applicant
Operating Permit	502-S002	Applicant
_____	_____	_____

15. Identify all Administrative Complaints, Notices of Violation, Directives, Administrative Orders, or Litigation concerning water pollution, if any, against the Applicant, its parent corporation or subsidiary corporations within the State of Alabama within the past five years (attach additional sheets if necessary):

<u>Facility Name</u>	<u>Permit Number</u>	<u>Type of Action</u>	<u>Date of Action</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

## SECTION B – BUSINESS ACTIVITY

1. Indicate applicable Standard Industrial Classification (SIC) Codes for all processes. If more than one applies, list in order of importance:

- a. 2491
- b. 2421
- c. \_\_\_\_\_
- d. \_\_\_\_\_
- e. \_\_\_\_\_
- f. \_\_\_\_\_

2. If your facility conducts or will be conducting any of the processes listed below (regardless of whether they generate wastewater, waste sludge, or hazardous waste), place a check beside the category of business activity (check all that apply):

#### Industrial Categories

- |   |  |
|---|--|
| <input type="checkbox"/> Aluminum Forming                                 | <input type="checkbox"/> Metal Molding and Casting                 |
| <input type="checkbox"/> Asbestos Manufacturing                           | <input type="checkbox"/> Metal Products                            |
| <input type="checkbox"/> Battery Manufacturing                            | <input type="checkbox"/> Nonferrous Metals Forming                 |
| <input type="checkbox"/> Can Making                                       | <input type="checkbox"/> Nonferrous Metals Manufacturing           |
| <input type="checkbox"/> Canned and Preserved Fruit and Vegetables        | <input type="checkbox"/> Oil and Gas Extraction                    |
| <input type="checkbox"/> Canned and Preserved Seafood                     | <input type="checkbox"/> Organic Chemicals Manufacturing           |
| <input type="checkbox"/> Cement Manufacturing                             | <input type="checkbox"/> Paint and Ink Formulating                 |
| <input type="checkbox"/> Centralized Waste Treatment                      | <input type="checkbox"/> Paving and Roofing Manufacturing          |
| <input type="checkbox"/> Carbon Black                                     | <input type="checkbox"/> Pesticides Manufacturing                  |
| <input type="checkbox"/> Coal Mining                                      | <input type="checkbox"/> Petroleum Refining                        |
| <input type="checkbox"/> Coil Coating                                     | <input type="checkbox"/> Phosphate Manufacturing                   |
| <input type="checkbox"/> Copper Forming                                   | <input type="checkbox"/> Photographic                              |
| <input type="checkbox"/> Electric and Electronic Components Manufacturing | <input type="checkbox"/> Pharmaceutical                            |
| <input type="checkbox"/> Electroplating                                   | <input type="checkbox"/> Plastic & Synthetic Materials             |
| <input type="checkbox"/> Explosives Manufacturing                         | <input type="checkbox"/> Plastics Processing Manufacturing         |
| <input type="checkbox"/> Feedlots   | <input type="checkbox"/> Porcelain Enamel                          |
| <input type="checkbox"/> Ferroalloy Manufacturing                         | <input type="checkbox"/> Pulp, Paper, and Fiberboard Manufacturing |
| <input type="checkbox"/> Fertilizer Manufacturing                         | <input type="checkbox"/> Rubber                                    |
| <input type="checkbox"/> Foundries (Metal Molding and Casting)            | <input type="checkbox"/> Soap and Detergent Manufacturing          |
| <input type="checkbox"/> Glass Manufacturing                              | <input type="checkbox"/> Steam and Electric                        |
| <input type="checkbox"/> Grain Mills                                      | <input type="checkbox"/> Sugar Processing                          |
| <input type="checkbox"/> Gum and Wood Chemicals Manufacturing             | <input type="checkbox"/> Textile Mills                             |
| <input type="checkbox"/> Inorganic Chemicals                              | <input checked="" type="checkbox"/> Timber Products                |
| <input type="checkbox"/> Iron and Steel                                   | <input type="checkbox"/> Transportation Equipment Cleaning         |
| <input type="checkbox"/> Leather Tanning and Finishing                    | <input type="checkbox"/> Waste Combustion                          |
| <input type="checkbox"/> Metal Finishing                                  | <input type="checkbox"/> Other (specify) _____                     |
| <input type="checkbox"/> Meat Products                                    |  |

A facility with processes inclusive in these business areas may be covered by Environmental Protection (EPA) categorical standards. These facilities are termed "categorical users" and should skip to question 2 of Section C.

3. Give a brief description of all operations at this facility including primary products or services (attach additional sheets if necessary):

This facility produces utility poles at two different locations on-site with one plant treating with the oil borne preservative pentachlorophenol and the other plant treating with the water borne preservative chromated copper arsenate (CCA).

The facility also has a permitted discharge for groundwater treatment. There are no ELGs associated with the oil borne plant or the groundwater remediation. The water borne operation is subject to a no discharge ELG for PWW.

#### **SECTION C – WASTEWATER DISCHARGE INFORMATION**

Facilities that checked activities in B.2 and are considered Categorical Industrial Users should skip to C.2 of this section.

1. **For Non-Categorical Users Only:** Provide wastewater flows for each of the processes or proposed processes. Using the process flow schematic (Figure 1), enter the description that corresponds to each process. **(The flow schematic should include all treatment units as well as monitoring and discharge points).** [New facilities should provide estimates for each discharge.]

Process Description	Last 12 Months (gals/day) Highest Month Avg. Flow	Highest Flow Year of Last 5 (gals/day) Monthly Avg. Flow	Discharge Type (batch, continuous, intermittent)

If batch discharge occurs or will occur, indicate: [new facilities may estimate.]

- a. Number of batch discharges: \_\_\_\_\_ per day
- b. Average discharge per batch: \_\_\_\_\_ (GPD)
- c. Time of batch discharges \_\_\_\_\_ at \_\_\_\_\_  
(days of week) (hours of day)
- d. Flow rate: \_\_\_\_\_ gallons/minute
- e. Percent of total discharge: \_\_\_\_\_

Non-Process Discharges (e.g. non-contact cooling water)	Last 12 Months (gals/day) Highest Month Avg. Flow	Highest Flow Year of Last 5 (gals/day) Monthly Avg. Flow
_____	_____	_____
_____	_____	_____

2. Complete this Section only if you are subject to Categorical Standards and plan to directly discharge the associated wastewater to a water of the State. If Categorical wastewater is discharged exclusively via an indirect discharge to a public or privately-owned treatment works, check "Yes" in the appropriate space below and proceed directly to part 2.c .

☐ Yes

For Categorical Users: Provide the wastewater discharge flows or production (whichever is applicable by the effluent guidelines) for each of your processes or proposed processes. Using the process flow schematic (Figure 1, pg 14), enter the description that corresponds to each process. [New facilities should provide estimates for each discharge.]

2a.

Regulated Process	Applicable Category	Applicable Subpart	Type of Discharge Flow (batch, continuous, intermittent)
Water Borne Wood Treatment	Timber Products	F	No discharge allowed
_____	_____	_____	_____
_____	_____	_____	_____

2b.

Process Description	Last 12 Months (gals/day), (lbs/day), etc. Highest Month Average*	Highest Flow Year of Last 5 (gals/day), (lbs/day), etc. Monthly Average*	Discharge Type (batch, continuous, intermittent)
Wood treatment (Subpart F)	0 - all PWW reused in process	0 - all PWW reused in process	NONE
_____	_____	_____	_____
Wood treatment (production)	246,217 cu.ft./month	189,478 cu.ft./month	_____

\* Reported values should be expressed in units of the applicable Federal production-based standard. For example, flow (MGD), production (pounds per day), etc.

If batch discharge occurs or will occur, indicate: [new facilities may estimate.]

- a. Number of batch discharges: \_\_\_\_\_ per day
- b. Average discharge per batch: \_\_\_\_\_ (GPD)
- c. Time of batch discharges \_\_\_\_\_ at \_\_\_\_\_  
(days of week) (hours of day)
- d. Flow rate: \_\_\_\_\_ gallons/minute
- e. Percent of total discharge: \_\_\_\_\_

2c.

Non categorical Process Description	Last 12 Months (gals/day) Highest Month Avg. Flow	Highest Flow Year of Last 5. (gals/day) Monthly Avg. Flow	Discharge Type (batch, continuous, intermittent)
groundwater discharge	not currently discharging	not currently discharging	continuous if discharging
Penta PWW	currently inactive	currently inactive	batch if discharging

If batch discharge occurs or will occur, indicate: [new facilities may estimate.]

- a. Number of batch discharges: 0-1 per day
- b. Average discharge per batch: 1000 (GPD)
- c. Time of batch discharges Mon - Fri at 8am - 5pm  
(days of week) (hours of day)
- d. Flow rate: 5 gallons/minute
- e. Percent of total discharge: 100

2d.

Non-Process Discharges (e.g. non-contact cooling water)	Last 12 Months (gals/day) Highest Month Avg. Flow	Highest Flow Year of Last 5 (gals/day) Monthly Avg. Flow
stormwater		

All Applicants must complete C.3 – C.6.

3. Do you share an outfall with another facility?
- ☐
- Yes
- ☒
- No (If no, continue to C.4)

For each shared outfall, provide the following:

Applicant's Outfall No.	Name of Other Permittee/Facility	NPDES Permit No.	Where is sample collected by Applicant?

4. Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow metering equipment at this facility?

Current: Flow Metering ☒ Yes ☐ No ☐ N/A  
Sampling Equipment ☒ Yes ☐ No ☐ N/A

Planned: Flow Metering ☐ Yes ☒ No ☐ N/A  
Sampling Equipment ☐ Yes ☒ No ☐ N/A

If so, please attach a schematic diagram of the sewer system indicating the present or future location of this equipment and describe the equipment below:

Some flow and limited sampling equipment are located on the UV system however treated groundwater and process waste water is not presently being discharged so this equipment has not been used since before the prior renewal.

5. Are any process changes or expansions planned during the next three years that could alter wastewater volumes or characteristics?
- 
- ☒
- Yes
- ☐
- No (If no, continue to C.6)

Briefly describe these changes and their anticipated effects on the wastewater volume and characteristics:

Facility is planning to move to an activated carbon system which has lower maintenance costs, easier upkeep, and provides equivalent or better treatment than the present UV system.

6. List the trade name and chemical composition of all biocides and corrosion inhibitors used:

Trade Name	Chemical Composition

For each biocide and/or corrosion inhibitor used, please include the following information:

- (1) 96-hour median tolerance limit data for organisms representative of the biota of the waterway into which the discharge will ultimately reach,
- (2) quantities to be used,
- (3) frequencies of use,
- (4) proposed discharge concentrations, and
- (5) EPA registration number, if applicable

#### SECTION D – WATER SUPPLY

Water Sources (check as many as are applicable):

- ☐ Private Well ☐ Surface Water  
☒ Municipal Water Utility (Specify City): ☐ Other (Specify): \_\_\_\_\_

**IF MORE THAN ONE WELL OR SURFACE INTAKE, PROVIDE DATA FOR EACH ON AN ATTACHMENT**

City: .01 MGD\* Well: \_\_\_\_\_ MGD\* Well Depth: \_\_\_\_\_ Ft. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Surface Intake Volume: \_\_\_\_\_ MGD\* Intake Elevation in Relation to Bottom: \_\_\_\_\_ Ft.

Intake Elevation: \_\_\_\_\_ Ft. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Name of Surface Water Source: \_\_\_\_\_

\* MGD – Million Gallons per Day

#### Cooling Water Intake Structure Information

Complete D.1 and D.2 if your water supply is provided by an outside source and not by an onsite water intake structure? (e.g., another industry, municipality, etc...)

1. Does the provider of your source water operate a surface water intake? Yes ☐ No ☐  
(If yes, continue, if no, go to Section E.)

a) Name of Provider: City of Brewton b) Location of Provider: Brewton AL

c) Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

2. 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)? ☒ Yes ☐ No (If yes, go to Section E, if no, continue.)

**Only to be completed if you have a cooling water intake structure or the provider of your water supply uses an intake structure and does not treat the raw water.**

3. Is any water withdrawn from the source water used for cooling? ☐ Yes ☐ No

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

5. Does the cooling water consist of treated effluent that would otherwise be discharged? ☐ Yes ☐ No  
(If yes, go to Section E, if no, complete D.6 – D.17)

6. a. Is the cooling water used in a once-through cooling system? ☐ Yes ☐ No

b. Is the cooling water used in a closed cycle cooling system? ☐ Yes ☐ No



7. When was the intake installed? \_\_\_\_\_  
(Please provide dates for all major construction/installation of intake components including screens)
8. What is the maximum intake volume? \_\_\_\_\_  
(maximum pumping capacity in gallons per day)
9. What is the average intake volume? \_\_\_\_\_  
(average intake pump rate in gallons per day average in any 30-day period)
10. What is the actual intake flow (AIF) as defined in 40 CFR §125.92(a)? \_\_\_\_\_ MGD
11. How is the intake operated? (e.g., continuously, intermittently, batch) \_\_\_\_\_
12. What is the mesh size of the screen on your intake? \_\_\_\_\_
13. What is the intake screen flow-through area? \_\_\_\_\_
14. What is the through-screen design intake flow velocity? \_\_\_\_\_ ft/sec
15. What is the through-screen actual velocity (in ft/sec)? \_\_\_\_\_ ft/sec
16. What is the mechanism for cleaning the screen? (e.g., does it rotate for cleaning) \_\_\_\_\_
17. Do you have any additional fish detraction technology on your intake? ☐ Yes ☐ No
18. Have there been any studies to determine the impact of the intake on aquatic organisms? ☐ Yes ☐ No (If yes, please provide.)
19. Attach a site map showing the location of the water intake in relation to the facility, shoreline, water depth, etc.

#### SECTION E – WASTE STORAGE AND DISPOSAL INFORMATION

Provide a description of the location of all sites involved in the storage of solids or liquids that could be accidentally discharged to a water of the state, either directly or indirectly via such avenues as storm water drainage, municipal wastewater systems, etc., which are located at the facility for which the NPDES application is being made. Where possible, the location should be noted on a map and included with this application:

Description of Waste	Description of Storage Location
K001, F032, F035	Drums in wood preserving process area, drip pads
Petroleum products	Maintenance areas

Provide a description of the location of the ultimate disposal sites of solid or liquid waste by-products (such as sludges) from any wastewater treatment system located at the facility.

Description of Waste	Quantity (lbs/day)	Disposal Method*
K001, F032, F035	0-100	Off-site treatment

\*Indicate which wastes identified above are disposed of at an off-site treatment facility and which are disposed of on-site. If any wastes are sent to an off-site centralized waste treatment facility, identify the waste and the facility.

#### SECTION F – COASTAL ZONE INFORMATION

Is the discharge(s) located within the 10-foot elevation contour and within the limits of Mobile or Baldwin County? ☐ Yes ☒ No  
If yes, complete items F.1 – F.12:

- |   | Yes                      | No                       |
|---|--------------------------|--------------------------|
| 1. Does the project require new construction? .....         | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Will the project be a source of new air emissions? ..... | <input type="checkbox"/> | <input type="checkbox"/> |

- |   | Yes                      | No                       |
|---|--------------------------|--------------------------|
| 3. Does the project involve dredging and/or filling of a wetland area or water way? .....   | <input type="checkbox"/> | <input type="checkbox"/> |
| If Yes, has the Corps of Engineers (COE) permit been received? .....  | <input type="checkbox"/> | <input type="checkbox"/> |
| COE Project No. ....  |                          |                          |
| 4. Does the project involve wetlands and/or submersed grassbeds? .....  | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Are oyster reefs located near the project site? .....  | <input type="checkbox"/> | <input type="checkbox"/> |
| If Yes, include a map showing project and discharge location with respect to oyster reefs   |                          |                          |
| 6. Does the project involve the site development, construction and operation of an energy facility as defined in ADEM Admin. Code r. 335-8-1-.02(bb)? .....   | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Does the project involve mitigation of shoreline or coastal area erosion? .....  | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Does the project involve construction on beaches or dune areas? .....  | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Will the project interfere with public access to coastal waters? .....   | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Does the project lie within the 100-year floodplain? .....  | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Does the project involve the registration, sale, use, or application of pesticides? .....   | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Does the project propose or require construction of a new well or to alter an existing groundwater well to pump more than 50 gallons per day (GPD)? ..... | <input type="checkbox"/> | <input type="checkbox"/> |
| If yes, has the applicable permit for groundwater recovery or for groundwater well installation been obtained? .....  | <input type="checkbox"/> | <input type="checkbox"/> |

#### SECTION G – ANTI-DEGRADATION EVALUATION

In accordance with 40 CFR §131.12 and the ADEM Admin. Code r. 335-6-10-.04 for anti-degradation, the following information must be provided, if applicable. It is the applicant's responsibility to demonstrate the social and economic importance of the proposed activity. If further information is required to make this demonstration, attach additional sheets to the application.

1. Is this a new or increased discharge that began after April 3, 1991?     ☐ Yes     ☒ No  
     If yes, complete G.2 below. If no, go to Section H.
2. Has an Anti-Degradation Analysis been previously conducted and submitted to the Department for the new or increased discharge referenced in G.1?     ☐ Yes     ☐ No

If yes, do not complete this section. If no, and the discharge is to a Tier II waterbody as defined in ADEM Admin. Code r. 335-6-10-.12(4), complete G.2.A – G.2.F below and ADEM Forms 311 and 313 (attached). ADEM Form 313 must be provided for each alternative considered technically viable.

Information required for new or increased discharges to high quality waters:

A. What environmental or public health problem will the discharger be correcting?

\_\_\_\_\_

B. How much will the discharger be increasing employment (at its existing facility or as the result of locating a new facility)?

\_\_\_\_\_

C. How much reduction in employment will the discharger be avoiding?

\_\_\_\_\_

D. How much additional state or local taxes will the discharger be paying?

\_\_\_\_\_

E. What public service to the community will the discharger be providing?

\_\_\_\_\_

F. What economic or social benefit will the discharger be providing to the community?

\_\_\_\_\_

## SECTION H – EPA Application Forms

All Applicants must submit EPA permit application forms. More than one application form may be required from a facility depending on the number and types of discharges or outfalls found. The EPA application forms are found on the Department's website at <http://www.adem.alabama.gov/programs/water/waterforms.cnt>. The EPA application forms must be submitted in duplicate as follows:

1. All applicants must submit Form 1.
2. Applicants for existing industrial facilities (including manufacturing facilities, commercial facilities, mining activities, and silvicultural activities) which discharge process wastewater must submit Form 2C.
3. Applicants for new industrial facilities which propose to discharge process wastewater must submit Form 2D.
4. Applicants for new and existing industrial facilities which discharge only non-process wastewater (i.e., non-contact cooling water and/or sanitary wastewater) must submit Form 2E.
5. Applicants for new and existing facilities whose discharge is composed entirely of storm water associated with industrial activity must submit Form 2F, unless exempted by § 122.26(c)(1)(ii). If the discharge is composed of storm water and non-storm water, the applicant must also submit Forms 2C, 2D, and/or 2E, as appropriate (in addition to Form 2F).

## SECTION I – ENGINEERING REPORT/BMP PLAN REQUIREMENTS

See ADEM 335-6-6-.08(i) & (j)

## SECTION J– RECEIVING WATERS

Outfall No.	Receiving Water(s)	303(d) Segment?		Included in TMDL?*	
All	Murder Creek	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

\*If a TMDL Compliance Schedule is requested, the following should be attached as supporting documentation:

- (1) Justification for the requested Compliance Schedule (e.g. time for design and installation of control equipment, etc.);
- (2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, MDL/ML, etc. should be submitted as available);
- (3) Requested interim limitations, if applicable;
- (4) Date of final compliance with the TMDL limitations; and,
- (5) Any other additional information available to support requested compliance schedule.

## SECTION K – APPLICATION CERTIFICATION

The information contained in this form must be certified by a responsible official as defined in ADEM Administrative Code r. 335-6-6-.09 "signatories to permit applications and reports" (see below).

*"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."*

Signature of Responsible Official: Richard K. Stanley

Date Signed: 12/31/19

Name and Title: Richard K. Stanley, President & CEO

If the Responsible Official signing this application is not identified in Section A.7, provide the following information:

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

### 335-6-6-.09 SIGNATORIES TO PERMIT APPLICATIONS AND REPORTS.

(1) The application for an NPDES permit shall be signed by a responsible official, as indicated below.

- (a) In the case of a corporation, by a principal executive officer of at least the level of vice president, or a manager assigned or delegated in accordance with corporate procedures, with such delegation submitted in writing if required by the Department, who is responsible for manufacturing, production, or operating facilities and is authorized to make management decisions which govern the operation of the regulated facility;
- (b) In the case of a partnership, by a general partner;
- (c) In the case of a sole proprietorship, by the proprietor; or
- (d) In the case of a municipal, state, federal, or other public entity, by either a principal executive officer, or ranking elected official.

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Form Approved 03/05/19 OMB No. 2040-0004
---	----------------------------------	--	---

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))**

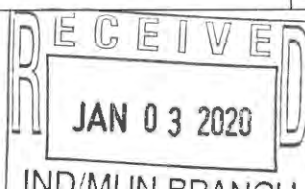
Activities Requiring an NPDES Permit

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

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

Name, Mailing Address, and Location

2.1	<b>Facility Name</b> T. R. Miller Mill Company, Inc.		
2.2	<b>EPA Identification Number</b> ALD008161416		
2.3	<b>Facility Contact</b>		
	Name (first and last) David Brittain	Title Environmental and Safety Manager	Phone number (251) 867-4331
	Email address dbrittain@trmillermill.com		
2.4	<b>Facility Mailing Address</b>		
	Street or P.O. box P. O. Box 708		
	City or town Brewton	State AL	ZIP code 36427





EPA Identification Number ALD008161416		NPDES Permit Number AL0000779		Facility Name T. R. Miller Mill Company, Inc.		Form Approved 03/05/19 OMB No. 2040-0004	
---	--	----------------------------------	--	--	--	---	--

Name, Mailing Address, and Location Continued	2.5	<b>Facility Location</b>					
	Street, route number, or other specific identifier 215 Deer St.						
	County name Escambia		County code (if known)				
	City or town Brewton		State AL		ZIP code 36426		

SECTION 3. SIC AND NAICS CODES (40 CFR 122.21(f)(3))			
SIC and NAICS Codes	3.1	<b>SIC Code(s)</b>	<b>Description (optional)</b>
		2491	Wood Preserving
		2421	Sawmills
	3.2	<b>NAICS Code(s)</b>	<b>Description (optional)</b>
		321114	Wood Preserving
		321113	Sawmills

SECTION 4. OPERATOR INFORMATION (40 CFR 122.21(f)(4))			
Operator Information	4.1	<b>Name of Operator</b>	
		T. R. Miller Mill Company, Inc.	
	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	<b>Operator Status</b> <input type="checkbox"/> Public—federal <input type="checkbox"/> Public—state <input type="checkbox"/> Other public (specify) _____ <input checked="" type="checkbox"/> Private <input type="checkbox"/> Other (specify) _____	
	4.4	<b>Phone Number of Operator</b> (251) 867-4331	

Operator Information Continued	4.5	<b>Operator Address</b>		
	Street or P.O. Box P. O. Box 708			
	City or town Brewton		State AL	ZIP code 36427
	Email address of operator dbrittain@trmillermill.com			

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

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Form Approved 03/05/19 OMB No. 2040-0004
---	----------------------------------	--	---

**SECTION 6. EXISTING ENVIRONMENTAL PERMITS (40 CFR 122.21(f)(6))**

Existing Environmental Permits	6.1	<b>Existing Environmental Permits</b> (check all that apply and print or type the corresponding permit number for each)		
	<input checked="" type="checkbox"/> NPDES (discharges to surface water) AL0000779	<input checked="" type="checkbox"/> RCRA (hazardous wastes) ALD008161416	<input type="checkbox"/> UIC (underground injection of fluids)	
	<input checked="" type="checkbox"/> PSD (air emissions) 502-S002	<input type="checkbox"/> Nonattainment program (CAA)	<input type="checkbox"/> NESHAPs (CAA)	
	<input type="checkbox"/> Ocean dumping (MPRSA)	<input type="checkbox"/> Dredge or fill (CWA Section 404)	<input type="checkbox"/> Other (specify)	

**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.)	

**SECTION 8. NATURE OF BUSINESS (40 CFR 122.21(f)(8))**

Nature of Business	8.1	Describe the nature of your business.
	<p>T. R. Miller Mill Company, Inc. operates a wood preserving operation and a sawmill in Brewton AL. The wood preserving operation (designated the Pole Division) is physically separate from the sawmill (designated the Lumber Division), and the sawmill operates under its own General NPDES permit. The Pole Division maintains a separate Individual NPDES permit and is the subject of this renewal application. The Pole Division produces pressure-treated wood products with either Pentachlorophenol or Chromated Copper Arsenate (CCA), primarily utility poles. This operation involves bringing in raw timber, debarking, peeling, drying in pole kilns, and then pressure treating. Finished poles are stored onsite until sold/shipped to customers.</p>	

**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		

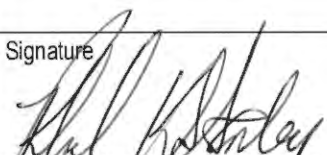
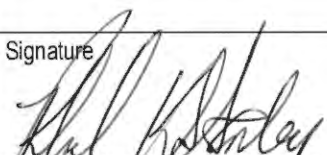
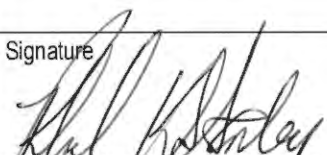


EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.
---	----------------------------------	--

Form Approved 03/05/19  
OMB No. 2040-0004


**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.					
	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 type="checkbox"/> Section 9: Cooling Water Intake Structures	<input type="checkbox"/> w/ attachments				
	<input 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				
11.2	<p><b>Certification Statement</b></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"> <tr> <td>Name (print or type first and last name) Richard K. Stanley</td> <td>Official title President &amp; CEO</td> </tr> <tr> <td>Signature </td> <td>Date signed 12/31/19</td> </tr> </table>		Name (print or type first and last name) Richard K. Stanley	Official title President & CEO	Signature 	Date signed 12/31/19
Name (print or type first and last name) Richard K. Stanley	Official title President & CEO					
Signature 	Date signed 12/31/19					



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Form Approved 03/05/19 OMB No. 2040-0004
---	----------------------------------	--	---

Form 2C NPDES		<b>U.S. Environmental Protection Agency</b> <b>Application for NPDES Permit to Discharge Wastewater</b> <b>EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURE OPERATIONS</b>
---------------------	---	--

**SECTION 1. OUTFALL LOCATION (40 CFR 122.21(g)(1))**

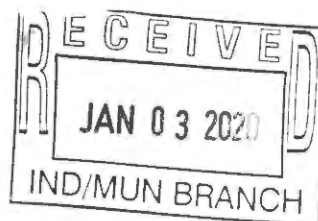
Outfall Location	1.1	Provide information on each of the facility's outfalls in the table below.			
		Outfall Number	Receiving Water Name	Latitude	Longitude
		002	Murder Creek	31° 06' 28" N	87° 03' 13" W
		002 Sample Location	31° 06' 39.75" N	87° 03' 21.75" W	
			" " "	" " "	

**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

**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.		
		<b>**Outfall Number**</b> 002		
		<b>Operations Contributing to Flow</b>		
		Operation	Average Flow	
		Estimated Groundwater Recovery, if Discharging	0.0061 mgd	
		Estimated Penta Process Wastewater, if Discharging	0.0005 mgd	
		NOTE: No discharges in past 10 years	mgd	
			mgd	
		<b>Treatment Units</b>		
		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
		Oil/Water Separator	1-U	Offsite disposal
		UV Oxidation(SD Jun2020)/Carbon Adsorption(SU Jun2020)	2-B / 2-A	Offsite disposal
	Discharge to Murder Creek	4-A	NA	



EPA Identification Number ALD008161416		NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Form Approved 03/05/19 OMB No. 2040-0004
---	--	----------------------------------	--	---

Average Flows and Treatment Continued	3.1 cont.	<b>**Outfall Number**</b> _____		
		<b>Operations Contributing to Flow</b>		
		<b>Operation</b>	<b>Average Flow</b>	
			mgd	
			mgd	
			mgd	
			mgd	
		<b>Treatment Units</b>		
		<b>Description</b> (include size, flow rate through each treatment unit, retention time, etc.)	<b>Code from Table 2C-1</b>	<b>Final Disposal of Solid or Liquid Wastes Other Than by Discharge</b>
		<b>**Outfall Number**</b> _____		
		<b>Operations Contributing to Flow</b>		
		<b>Operation</b>	<b>Average Flow</b>	
			mgd	
			mgd	
			mgd	
			mgd	
		<b>Treatment Units</b>		
		<b>Description</b> (include size, flow rate through each treatment unit, retention time, etc.)	<b>Code from Table 2C-1</b>	<b>Final Disposal of Solid or Liquid Wastes Other Than by Discharge</b>

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

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.
---	----------------------------------	--

Form Approved 03/05/19  
OMB No. 2040-0004

#### 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 checked="" type="checkbox"/> Yes <input 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.						
		<b>Outfall Number</b>	<b>Operation (list)</b>	<b>Frequency</b>		<b>Flow Rate</b>		<b>Duration</b>
				<b>Average Days/Week</b>	<b>Average Months/Year</b>	<b>Long-Term Average</b>	<b>Maximum Daily</b>	
	002	Recovered GW	7 days/week	12 months/year	0.0061 mgd	0.0152 mgd	days	
		Penta Process WW	5 days/week	12 months/year	0.0005 mgd	0.0010 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Section 6.		
	5.2	Provide the following information on applicable ELGs.		
		<b>ELG Category</b>	<b>ELG Subcategory</b>	<b>Regulatory Citation</b>
		Timber Products Processing	Wood Preserving - Water Borne (no discharge)	40 CFR Part 429 Subpart F
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.		
		<b>Outfall Number</b>	<b>Operation, Product, or Material</b>	<b>Quantity per Day</b>
			Note: There is no discharge of PWW from the Water Borne	
			treatment, this renewal is for the existing Penta PWW (No ELG)	
		(Oil Borne, no steam or Boulton) and the groundwater recovery		

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.
---	----------------------------------	--

Form Approved 03/05/19  
OMB No. 2040-0004

### 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 checked="" 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.				
	<b>Table A. Conventional and Non-Conventional Pollutants</b>				
	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.			
	<b>Table B. Toxic Metals, Cyanide, Total Phenols, and Organic Toxic Pollutants</b>				
	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 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.)			
		<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
		<input type="checkbox"/> Volatile	<input type="checkbox"/> Acid	<input type="checkbox"/> Base/Neutral	<input type="checkbox"/> Pesticide



EPA Identification Number ALD008161416		NPDES Permit Number AL0000779		Facility Name T. R. Miller Mill Company, Inc.		Form Approved 03/05/19 OMB No. 2040-0004	
---	--	----------------------------------	--	--	--	---	--

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 type="checkbox"/> Yes <span style="float: right;"><input type="checkbox"/> No</span>		
	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 <span style="float: right;"><input type="checkbox"/> No</span>		
	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 <span style="float: right;"><input type="checkbox"/> No</span>		
	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. <span style="float: right;"><input checked="" type="checkbox"/> No</span>		
	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 <span style="float: right;"><input type="checkbox"/> No</span>		
	<b>Table C. Certain Conventional and Non-Conventional Pollutants</b>			
	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 <span style="float: right;"><input type="checkbox"/> No</span>		
	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 <span style="float: right;"><input type="checkbox"/> No</span>		
	<b>Table D. Certain Hazardous Substances and Asbestos</b>			
	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 <span style="float: right;"><input type="checkbox"/> No</span>		
	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 <span style="float: right;"><input type="checkbox"/> No</span>		
	<b>Table E. 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (2,3,7,8-TCDD)</b>			
	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. <span style="float: right;"><input checked="" type="checkbox"/> No → SKIP to Section 8.</span>		
	7.17	Have you completed Table E by reporting <i>qualitative</i> data for TCDD? <input type="checkbox"/> Yes <span style="float: right;"><input type="checkbox"/> No</span>		
<b>SECTION 8. USED OR MANUFACTURED TOXICS (40 CFR 122.21(g)(9))</b>				
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 checked="" type="checkbox"/> Yes <span style="float: right;"><input type="checkbox"/> No → SKIP to Section 9.</span>		
	8.2	List the pollutants below.		
	1.	Arsenic	4. Naphthalene	7. Hexachlorobenzene
	2.	Chromium	5. Pentachlorophenol	8.
	3.	Copper	6. 2-4-6 Trichlorophenol	9.

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.
---	----------------------------------	--

Form Approved 03/05/19  
OMB No. 2040-0004

### 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?		
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?
				<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?		
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Section 11.		
	10.2	Provide information for each contract laboratory or consulting firm below.		
			Laboratory Number 1	Laboratory Number 2
		Name of laboratory/firm	Micro-Methods Inc. (historic data from previous discharges)	Test America (historic data from previous discharges)
		Laboratory address	6500 Sunplex Dr. Ocean Springs MS 39564	3355 McLemore Dr. Pensacola, FL 32514
		Phone number	(228) 875-6420	(850) 474-1001
	Pollutant(s) analyzed	VOC, TSS, TOC, Cyanide, most metals, Pesticides, Barium, Iron, Magnesium, Manganese Note: there has been no discharge in past 10 years.	BOD, COD, Ammonia, O&G, Total Phenols, Arsenic, Chromium, Acids, Base/Neutrals Note: there has been no discharge in past 10 years.	

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

Additional Information	11.1	Has the NPDES permitting authority requested additional information?	
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 12.	
	11.2	List the information requested and attach it to this application.	
		1.	4.
		2.	5.
		3.	6.



EPA Identification Number  
ALD008161416

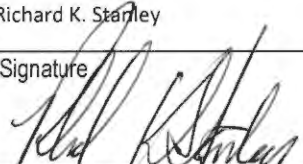
NPDES Permit Number  
AL0000779

Facility Name  
T. R. Miller Mill Company, Inc.

Form Approved 03/05/19  
OMB No. 2040-0004

**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.	
	<b>Column 1</b>	<b>Column 2</b>
	<input checked="" type="checkbox"/> Section 1: Outfall Location	<input checked="" 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 checked="" type="checkbox"/> w/ attachments <input checked="" 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/ small business exemption request <input checked="" type="checkbox"/> w/ Table A <input checked="" type="checkbox"/> w/ Table C <input checked="" type="checkbox"/> w/ Table E <input type="checkbox"/> w/ explanation for identical outfalls <input type="checkbox"/> w/ other attachments <input checked="" type="checkbox"/> w/ Table B <input checked="" type="checkbox"/> w/ Table D <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 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	<b>Certification Statement</b> <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
	Richard K. Stanley	President & CEO
	Signature 	Date signed 12/31/19

This page intentionally left blank.



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

**TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii))<sup>1</sup>**

	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 <sub>5</sub> )	<input type="checkbox"/>	Concentration	mg/l	hist: 60		hist: 13.6	26		
			Mass	lb/day	hist: 8.1		hist: 0.75			
2.	Chemical oxygen demand (COD)	<input type="checkbox"/>	Concentration	mg/l	hist: 54		hist: 20.7	26		
			Mass	lb/day	hist: 7.3		hist: 1.14			
3.	Total organic carbon (TOC)	<input type="checkbox"/>	Concentration	mg/l	hist: 5.38			1		
			Mass	lb/day	hist: 0.7					
4.	Total suspended solids (TSS)	<input type="checkbox"/>	Concentration	mg/l	hist: 2			1		
			Mass	lb/day	hist: 0.3					
5.	Ammonia (as N)	<input type="checkbox"/>	Concentration	mg/l	hist: 0.53		hist: 0.2	26		
			Mass	lb/day	hist: 0.1		hist: 0.01			
6.	Flow	<input type="checkbox"/>	Rate	MGD	hist: 0.0162		hist: 0.0066	daily		
7.	Temperature (winter)	<input type="checkbox"/>	°C	°C	hist: 18			1		
	Temperature (summer)	<input type="checkbox"/>	°C	°C	hist: 28			1		
8.	pH (minimum)	<input type="checkbox"/>	Standard units	s.u.	hist: 6.2			daily		
	pH (maximum)	<input type="checkbox"/>	Standard units	s.u.	hist: 8.7			daily		

<sup>1</sup> 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).

This page intentionally left blank.

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

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

	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.											
<b>Section 1. Toxic Metals, Cyanide, and Total Phenols</b>												
1.1	Antimony, total (7440-36-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
1.2	Arsenic, total (7440-38-2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/l	hist: 0.0051		hist: 0.0027	13		
					Mass	lb/day	hist: 0.001		hist: 0.00015			
1.3	Beryllium, total (7440-41-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
1.4	Cadmium, total (7440-43-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
1.5	Chromium, total (7440-47-3)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/l	hist: 0.006		hist: 0.003	13		
					Mass	lb/day	hist: 0.001		hist: 0.00017			
1.6	Copper, total (7440-50-8)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/l	hist: 0.29		hist: 0.0392	13		
					Mass	lb/day	hist: 0.04		hist: 0.00216			
1.7	Lead, total (7439-92-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
1.8	Mercury, total (7439-97-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
1.9	Nickel, total (7440-02-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
1.10	Selenium, total (7782-49-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
1.11	Silver, total (7440-22-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

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

	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							
					Mass							
1.13	Zinc, total (7440-66-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
1.14	Cyanide, total (57-12-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
1.15	Phenols, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/l	hist: 0.0087		hist: 0.004	26		
					Mass	lb/day	hist: 0.001		hist: 0.00022			
<b>Section 2. Organic Toxic Pollutants (GC/MS Fraction—Volatile Compounds)</b>												
2.1	Acrolein (107-02-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
2.2	Acrylonitrile (107-13-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
2.3	Benzene (71-43-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
2.4	Bromoform (75-25-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
2.5	Carbon tetrachloride (56-23-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
2.6	Chlorobenzene (108-90-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
2.7	Chlorodibromomethane (124-48-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
2.8	Chloroethane (75-00-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							

EPA Identification Number ALD008161416	NPDES Permit Number ALD000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

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

	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						
					Mass						
2.10	Chloroform (67-66-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
2.11	Dichlorobromomethane (75-27-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
2.12	1,1-dichloroethane (75-34-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
2.13	1,2-dichloroethane (107-06-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
2.14	1,1-dichloroethylene (75-35-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
2.15	1,2-dichloropropane (78-87-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
2.16	1,3-dichloropropylene (542-75-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
2.17	Ethylbenzene (100-41-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
2.18	Methyl bromide (74-83-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
2.19	Methyl chloride (74-87-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
2.20	Methylene chloride (75-09-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
2.21	1,1,2,2- tetrachloroethane (79-34-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

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

	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							
					Mass							
2.23	Toluene (108-88-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
2.24	1,2-trans-dichloroethylene (156-60-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
2.25	1,1,1-trichloroethane (71-55-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
2.26	1,1,2-trichloroethane (79-00-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
2.27	Trichloroethylene (79-01-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
2.28	Vinyl chloride (75-01-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
<b>Section 3. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)</b>												
3.1	2-chlorophenol (95-57-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
3.2	2,4-dichlorophenol (120-83-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
3.3	2,4-dimethylphenol (105-67-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
3.4	4,6-dinitro-o-cresol (534-52-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
3.5	2,4-dinitrophenol (51-28-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

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

	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						
					Mass						
3.7	4-nitrophenol (100-02-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
3.8	p-chloro-m-cresol (59-50-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
3.9	Pentachlorophenol (87-86-5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND @10	hist: ND @ 10	12		
					Mass						
3.10	Phenol (108-95-2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: 12	hist: 5.5	12		
					Mass	lb/day	hist: 0.002	hist: 0.0003			
3.11	2,4,6-trichlorophenol (88-05-2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND @10	hist: ND@10	12		
					Mass						
<b>Section 4. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)</b>											
4.1	Acenaphthene (83-32-9)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND @10	hist: ND @10	12		
					Mass						
4.2	Acenaphthylene (208-96-8)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND @10	hist: ND @10	12		
					Mass						
4.3	Anthracene (120-12-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
4.4	Benzidine (92-87-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
					Mass						
4.5	Benzo (a) anthracene (56-55-3)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND @10	hist: ND @10	12		
					Mass						
4.6	Benzo (a) pyrene (50-32-8)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND @10	hist: ND @10	12		
					Mass						



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

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

	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							
					Mass							
4.8	Benzo (ghi) perylene (191-24-2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND@10		hist: ND @10	12		
					Mass							
4.9	Benzo (k) fluoranthene (207-08-9)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND@10		hist: ND @10	12		
					Mass							
4.10	Bis (2-chloroethoxy) methane (111-91-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.11	Bis (2-chloroethyl) ether (111-44-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.12	Bis (2-chloroisopropyl) ether (102-80-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.13	Bis (2-ethylhexyl) phthalate (117-81-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.14	4-bromophenyl phenyl ether (101-55-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.15	Butyl benzyl phthalate (85-68-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.16	2-chloronaphthalene (91-58-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.17	4-chlorophenyl phenyl ether (7005-72-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.18	Chrysene (218-01-9)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND@10		hist: ND@10	12		
					Mass							
4.19	Dibenzo (a,h) anthracene (53-70-3)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND@10		hist: ND@10	12		
					Mass							



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

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

	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 checked="" type="checkbox"/>	Concentration							
					Mass							
4.21	1,3-dichlorobenzene (541-73-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.22	1,4-dichlorobenzene (106-46-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.23	3,3-dichlorobenzidine (91-94-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.24	Diethyl phthalate (84-66-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.25	Dimethyl phthalate (131-11-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.26	Di-n-butyl phthalate (84-74-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.27	2,4-dinitrotoluene (121-14-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.28	2,6-dinitrotoluene (606-20-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.29	Di-n-octyl phthalate (117-84-0)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.30	1,2-Diphenylhydrazine (as azobenzene) (122-66-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.31	Fluoranthene (206-44-0)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND@10		hist: ND@10	12		
					Mass							
4.32	Fluorene (86-73-7)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND@10		hist: ND@10	12		
					Mass							



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

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

	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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND@10		hist: ND@10	12		
					Mass							
4.34	Hexachlorobutadiene (87-68-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.35	Hexachlorocyclopentadiene (77-47-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.36	Hexachloroethane (67-72-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.37	Indeno (1,2,3-cd) pyrene (193-39-5)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND@10		hist: ND@10	12		
					Mass							
4.38	Isophorone (78-59-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.39	Naphthalene (91-20-3)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND@10		hist: ND@10	12		
					Mass							
4.40	Nitrobenzene (98-95-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.41	N-nitrosodimethylamine (62-75-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.42	N-nitrosodi-n-propylamine (621-64-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.43	N-nitrosodiphenylamine (86-30-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration							
					Mass							
4.44	Phenanthrene (85-01-8)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND@10		hist: ND@10	12		
					Mass							
4.45	Pyrene (129-00-0)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	ug/l	hist: ND@10		hist: ND@10	12		
					Mass							

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

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

	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 Mass							
<b>Section 5. Organic Toxic Pollutants (GC/MS Fraction—Pesticides)</b>												
5.1	Aldrin (309-00-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration Mass							
5.2	$\alpha$ -BHC (319-84-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration Mass							
5.3	$\beta$ -BHC (319-85-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration Mass							
5.4	$\gamma$ -BHC (58-89-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration Mass							
5.5	$\delta$ -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	$\alpha$ -endosulfan (115-29-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration Mass							



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

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

	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						



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

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

	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						

<sup>1</sup> 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).

This page intentionally left blank.



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

**TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))<sup>1</sup>**

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 <b>present</b> in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for each pollutant.									
<input type="checkbox"/> Check here if you believe all pollutants on Table C to be <b>absent</b> in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for each pollutant.									
1. Bromide (24959-67-9)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
2. Chlorine, total residual	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
3. Color	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
4. Fecal coliform	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
5. Fluoride (16984-48-8)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
6. Nitrate-nitrite	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
7. Nitrogen, total organic (as N)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
8. Oil and grease	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/l	hist: ND @ 5.3		hist: ND @ 4.8	26	
			Mass						
9. Phosphorus (as P), total (7723-14-0)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
10. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						
11. Sulfide (as S)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
			Mass						

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

**TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))<sup>1</sup>**

	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 <sub>3</sub> ) (14265-45-3)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
				Mass						
13.	Surfactants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
				Mass						
14.	Aluminum, total (7429-90-5)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
				Mass						
15.	Barium, total (7440-39-3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/l	hist: 0.015		1		
				Mass	lb/day	hist: 0.002				
16.	Boron, total (7440-42-8)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
				Mass						
17.	Cobalt, total (7440-48-4)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
				Mass						
18.	Iron, total (7439-89-6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/l	hist: 1.87		1		
				Mass	lb/day	hist: 0.25				
19.	Magnesium, total (7439-95-4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/l	hist: 0.948		1		
				Mass	lb/day	hist: 0.13				
20.	Molybdenum, total (7439-98-7)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
				Mass						
21.	Manganese, total (7439-96-5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Concentration	mg/l	hist: 0.206		1		
				Mass	lb/day	hist: 0.03				
22.	Tin, total (7440-31-5)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
				Mass						
23.	Titanium, total (7440-32-6)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concentration						
				Mass						



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

**TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))<sup>1</sup>**

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						

<sup>1</sup> 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).

This page intentionally left blank.

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	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"/>		

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	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"/>		

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	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"/>		



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	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"/>		

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

**TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))<sup>1</sup>**

	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"/>		

<sup>1</sup> 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).

This page intentionally left blank.




EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 002
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

**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"/>	

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Form Approved 03/05/19 OMB No. 2040-0004
---	----------------------------------	--	---

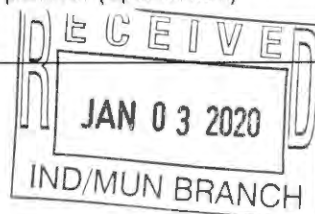
Form 2F NPDES		<b>U.S Environmental Protection Agency</b> <b>Application for NPDES Permit to Discharge Wastewater</b> <b>STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY</b>
---------------------	---	---

**SECTION 1. OUTFALL LOCATION (40 CFR 122.21(g)(1))**

<b>Outfall Location</b>	1.1	Provide information on each of the facility's outfalls in the table below			
		<b>Outfall Number</b>	<b>Receiving Water Name</b>	<b>Latitude</b>	<b>Longitude</b>
		003	Ditch to Murder Creek	31° 06' 24.75" N	87° 03' 17.25" W
			(003 sampling location)	31° 06' 33.5" N	87° 03' 27.25" W
			° ' "	° ' "	
			° ' "	° ' "	
			° ' "	° ' "	
			° ' "	° ' "	

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

<b>Improvements</b>	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.			
		<b>Brief Identification and Description of Project</b>	<b>Affected Outfalls (list outfall numbers)</b>	<b>Source(s) of Discharge</b>	<b>Final Compliance Dates</b> 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				



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.
---	----------------------------------	--

Form Approved 03/05/19  
OMB No. 2040-0004

### 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))

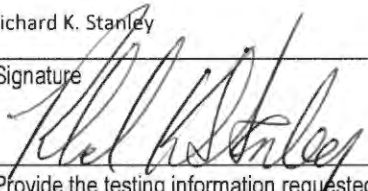
Pollutant Sources	4.1	Provide information on the facility's pollutant sources in the table below.																											
		Outfall Number	Impervious Surface Area (within a mile radius of the facility)	Total Surface Area Drained (within a mile radius of the facility)																									
		003	260,000 (onsite)	specify units sq.ft.	2,600,000 (onsite) specify units sq.ft.																								
				specify units	specify units																								
				specify units	specify units																								
				specify units	specify units																								
				specify units	specify units																								
				specify units	specify units																								
				specify units	specify units																								
		4.2	<p>Provide a narrative description of the facility's significant material in the space below. (See instructions for content requirements.)</p> <p>Significant materials produced, stored, and exposed to rainfall at the site are utility poles treated with CCA or pentachlorophenol. These poles are processed in a manner that minimizes any preservative drippage by pulling a final vacuum on all charges. Impervious, roofed, drip pads are used to minimize soil or storm water contamination from freshly treated poles. Daily inspections and clean-up in the storage yard of any observed drippage is part of the drippage management contingency plan. Any blown rainfall within the pentachlorophenol process area is retained as process wastewater. Any blown rainfall within the CCA process area is retained and used as make-up water in the treating process.</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>003</td> <td>Process areas under roof. Drip pads. Drippage management contingency plan, inspections.</td> <td></td> </tr> <tr> <td>003</td> <td>Final vacuum on charges. Tanks under roof and within secondary containment.</td> <td></td> </tr> <tr> <td>003</td> <td>There is no treatment of storm water.</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)	003	Process areas under roof. Drip pads. Drippage management contingency plan, inspections.		003	Final vacuum on charges. Tanks under roof and within secondary containment.		003	There is no treatment of storm water.										
Stormwater Treatment																													
Outfall Number	Control Measures and Treatment	Codes from Exhibit 2F-1 (list)																											
003	Process areas under roof. Drip pads. Drippage management contingency plan, inspections.																												
003	Final vacuum on charges. Tanks under roof and within secondary containment.																												
003	There is no treatment of storm water.																												



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.
---	----------------------------------	--

Form Approved 03/05/19  
OMB No. 2040-0004

### 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)		Official title	
		Richard K. Stanley		President & CEO	
		Signature 		Date signed 12/31/19	
	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
		003	Visual Observation	12/12/2019	003 Sampling Location

### 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? <input type="checkbox"/> Yes → See instructions regarding submission of estimated data. <input checked="" type="checkbox"/> No → See instructions regarding submission of actual data.
	Tables A, B, C, and D	
	7.2	Have you completed Table A for each outfall? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Form Approved 03/05/19 OMB No. 2040-0004
---	----------------------------------	--	---

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 checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Yes <input 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 checked="" 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Form Approved 03/05/19 OMB No. 2040-0004
---	----------------------------------	--	---

<b>Discharge Information Continued</b>	<b>Used or Manufactured Toxics</b>		
	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 checked="" type="checkbox"/> Yes <span style="margin-left: 200px;"><input type="checkbox"/> No → SKIP to Section 8.</span>	
	7.19	List the pollutants below, including TCDD if applicable.	
	1. Pentachlorophenol	4. Copper	7. Naphthalene
	2. Arsenic	5. Oil & Grease	8. Hexachlorobenzene
	3. Chromium	6. 2-4-6 Trichlorophenol	9.

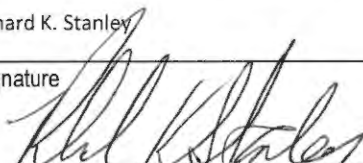
<b>SECTION 8. BIOLOGICAL TOXICITY TESTING DATA (40 CFR 122.21(g)(11))</b>					
<b>Biological Toxicity Testing Data</b>	8.1	Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last three years?  <input type="checkbox"/> Yes <span style="margin-left: 200px;"><input checked="" type="checkbox"/> No → SKIP to Section 9.</span>			
	8.2	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		

<b>SECTION 9. CONTRACT ANALYSIS INFORMATION (40 CFR 122.21(g)(12))</b>				
<b>Contract Analysis Information</b>	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 <span style="margin-left: 200px;"><input type="checkbox"/> No → SKIP to Section 10.</span>		
	9.2	Provide information for each contract laboratory or consulting firm below.		
		Laboratory Number 1	Laboratory Number 2	Laboratory Number 3
	Name of laboratory/firm	Test America		
	Laboratory address	3355 McLemore Dr. Pensacola, FL 32514		
	Phone number	(850) 474-1001		
	Pollutant(s) analyzed	All		

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Form Approved 03/05/19 OMB No. 2040-0004
---	----------------------------------	--	---

# 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 type="checkbox"/> Section 2	<input type="checkbox"/> w/ attachments
		<input checked="" type="checkbox"/> Section 3	<input checked="" 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 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 type="checkbox"/> Table D
		<input 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	<b>Certification Statement</b> <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	
	Richard K. Stanley	President & CEO	
	Signature	Date signed	
		12/31/19	



EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 003
---	----------------------------------	--	-----------------------

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))<sup>1</sup>**

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	1.9 mg/L		0.3 mg/L		11	
2.	Biochemical oxygen demand (BOD <sub>5</sub> )	9.4 mg/L	No data	2 mg/L	No data	11	
3.	Chemical oxygen demand (COD)	30 mg/L	No data	6 mg/L	No data	0	est. from BOD
4.	Total suspended solids (TSS)	160 mg/L	No data	35 mg/L	No data	11	
5.	Total phosphorus	0.16 mg/L	No data	0.16 mg/L	No data	1	Historic data
6.	Total Kjeldahl nitrogen (TKN)	1.4 mg/L	No data	1.4 mg/L	No data	1	Historic data
7.	Total nitrogen (as N)	<0.10 mg/L	No data	<0.10 mg/L	No data	1	Historic data
8.	pH (minimum)	6.30		6.87		6	
	pH (maximum)	7.57		6.87		6	

<sup>1</sup> 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).

This page intentionally left blank.

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 003
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

**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))<sup>1</sup>**

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		
Acenaphthene	14 ug/L	no data	5 ug/L	no data	16	
Acenaphthylene	1.6 ug/L	no data	0.2 ug/L	no data	16	
Benzo(a)pyrene	< 0.56 ug/L	no data	< 0.56 ug/L	no data	16	
Benzo(k)pyrene	< 0.43 ug/L	no data	< 0.43 ug/L	no data	16	
Chrysene	< 0.49 ug/L	no data	< 0.49 ug/L	no data	16	
Fluorene	9.4 ug/L	no data	3 ug/L	no data	16	
Phenanthrene	6.6 ug/L	no data	1 ug/L	no data	16	
Pentachlorophenol	310 ug/L	no data	31 ug/L	no data	16	
Total Phenols	180 ug/L	no data	33 ug/L	no data	16	
2,4-Dimethylphenol	51 ug/L	no data	10 ug/L	no data	16	
2,4,6-Trichlorophenol	< 3.5 ug/L	no data	< 3.5 ug/L	no data	16	
Arsenic	95 ug/L	no data	33 ug/L	no data	16	
Chromium	88 ug/L	no data	19 ug/L	no data	16	
Copper	43 ug/L	no data	9 ug/L	no data	16	

<sup>1</sup> 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).

This page intentionally left blank.

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility Name T. R. Miller Mill Company, Inc.	Outfall Number 003
---	----------------------------------	--	-----------------------

Form Approved 03/05/19  
OMB No. 2040-0004

**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))<sup>1</sup>**

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		
Naphthalene	15 ug/L	no data	15 ug/L	no data	1	
Hexachlorobenzene	<1 ug/L	no data	< 1 ug/L	no data	1	

<sup>1</sup> 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).



This page intentionally left blank.

EPA Identification Number ALD008161416	NPDES Permit Number AL0000779	Facility name T. R. Miller Mill Company, Inc.	Outfall Number 003
---	----------------------------------	--	-----------------------

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)

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

No recent flow-weighted composite data is available and flow-weighted composite sampling is not required under facility's permit.



# **Parcel Owners**

Parcel 1.0 - T. R. Miller Mill Co., Inc.  
 Parcel 1.3 - Wayne D. Floyd, etal  
 Parcel 2.0 - T. R. Miller Mill Co., Inc.  
 Parcel 5.0 - Ed Williams Heirs  
 Parcel 7.0 - T. R. Miller Mill Co., Inc.  
 Parcel 22.0 - Commonsense Conservation LLC  
 Parcel 45.0 - T. R. Miller Mill Co., Inc.

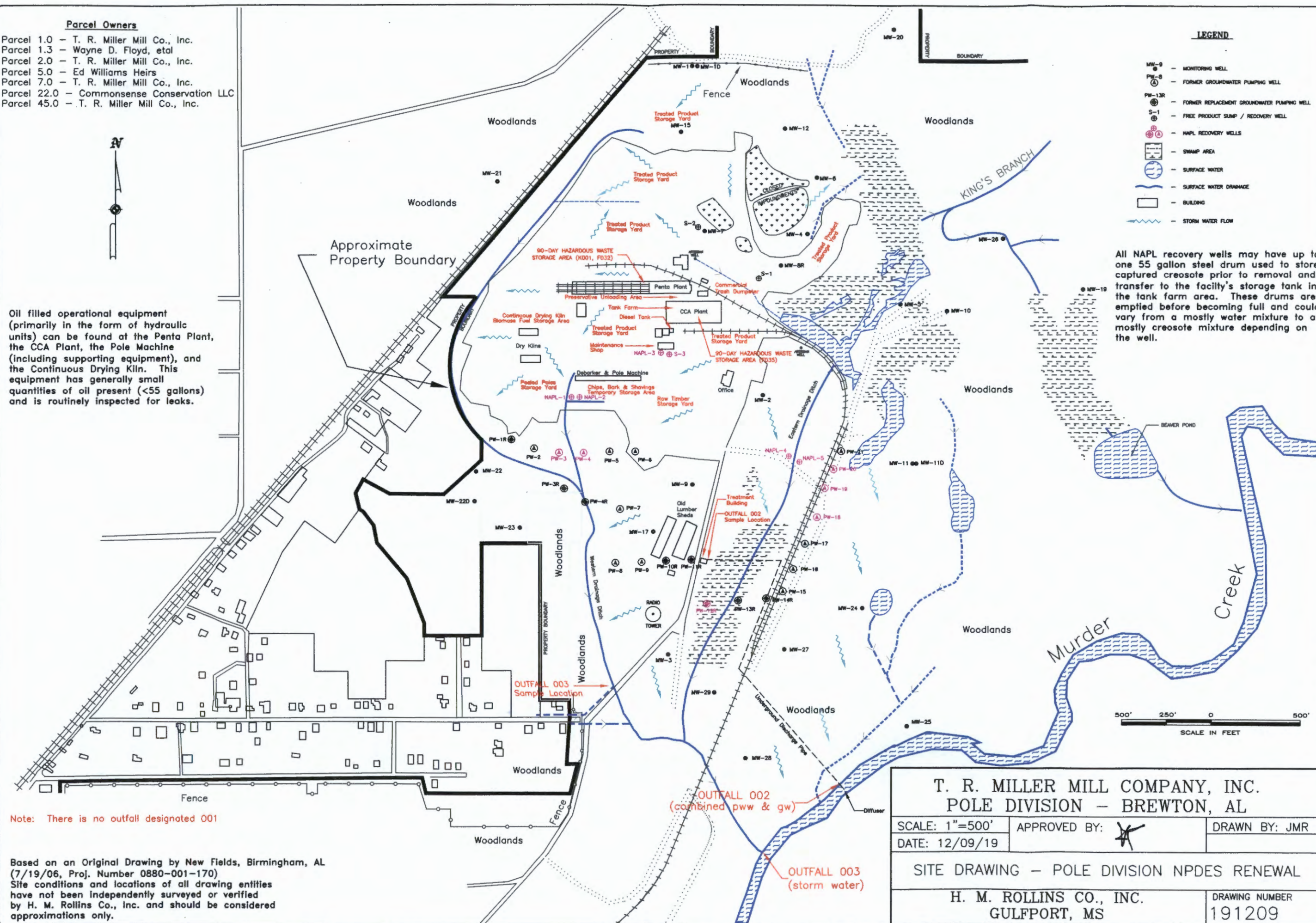


Oil filled operational equipment (primarily in the form of hydraulic units) can be found at the Penta Plant, the CCA Plant, the Pole Machine (including supporting equipment), and the Continuous Drying Kiln. This equipment has generally small quantities of oil present (<55 gallons) and is routinely inspected for leaks.

# **LEGEND**

- MW-9 - MONITORING WELL
- PW-8 - FORMER GROUNDWATER PUMPING WELL
- PW-13R - FORMER REPLACEMENT GROUNDWATER PUMPING WELL
- S-1 - FREE PRODUCT SUMP / RECOVERY WELL
- NAPL-3 - NAPL RECOVERY WELLS
- SWAMP AREA
- SURFACE WATER
- SURFACE WATER DRAINAGE
- BUILDING
- STORM WATER FLOW

All NAPL recovery wells may have up to one 55 gallon steel drum used to store captured creosote prior to removal and transfer to the facility's storage tank in the tank farm area. These drums are emptied before becoming full and could vary from a mostly water mixture to a mostly creosote mixture depending on the well.



Note: There is no outfall designated 001

Based on an Original Drawing by New Fields, Birmingham, AL (7/19/06, Proj. Number 0880-001-170)  
 Site conditions and locations of all drawing entities have not been independently surveyed or verified by H. M. Rollins Co., Inc. and should be considered approximations only.

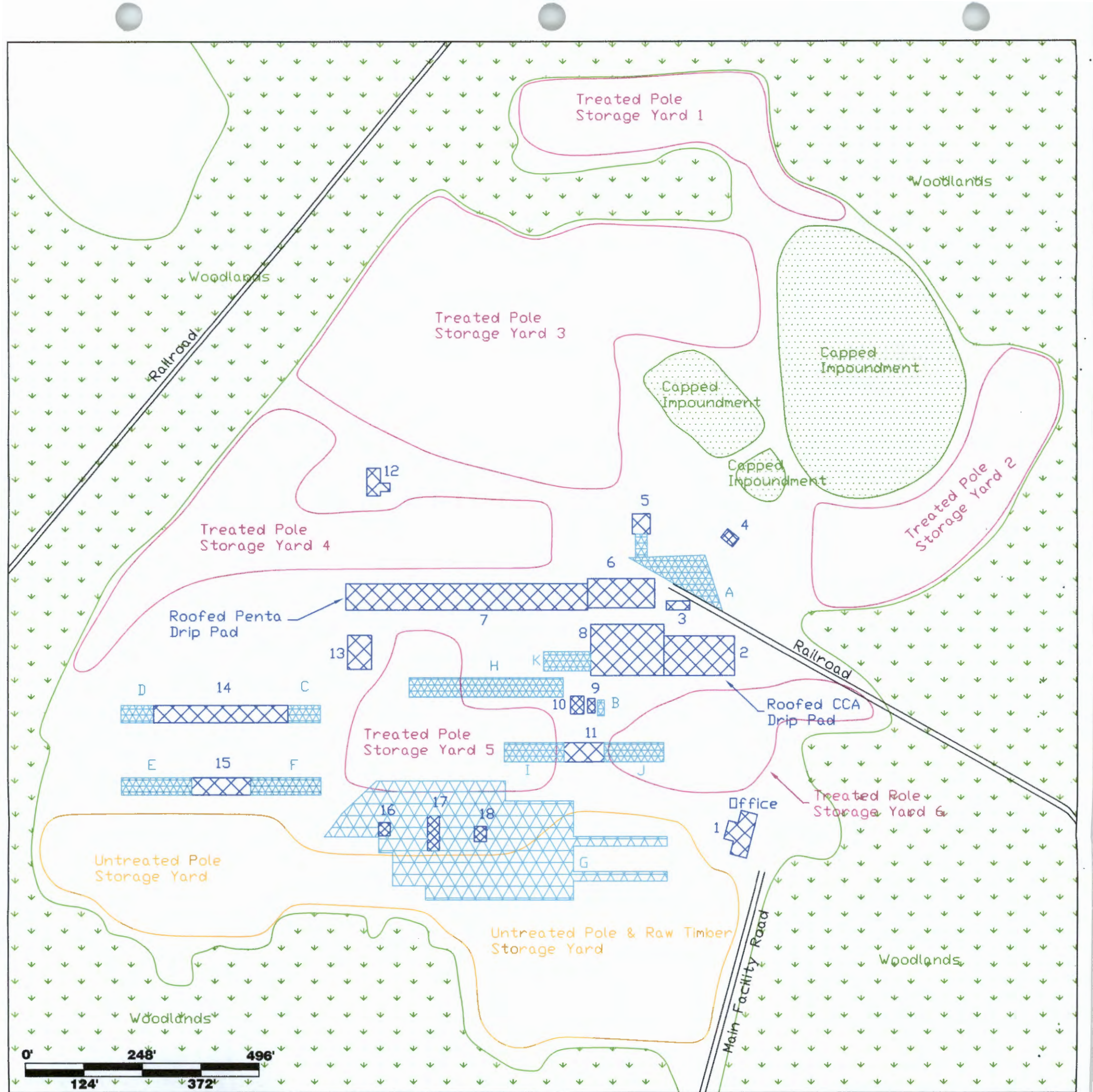
**T. R. MILLER MILL COMPANY, INC.**  
**POLE DIVISION - BREWTON, AL**

SCALE: 1"=500' APPROVED BY: DRAWN BY: JMR  
 DATE: 12/09/19

SITE DRAWING - POLE DIVISION NPDES RENEWAL



H. M. ROLLINS CO., INC.  
 GULFPORT, MS  
 DRAWING NUMBER  
 191209





APPROXIMATE AREAS OF SIGNIFICANT LOCATIONS			
Location	Area (SQ. FT.)	LOCATION	AREA (SQ. FT.)
Bld 1	4,308	Bld 10	1,074
Bld 2	12,581	Bld 11	3,500
Bld 3	956	Bld 12	2,047
Bld 4	735	Bld 13	3,663
Bld 5	1,648	Bld 14	10,289
Bld 6	8,861	Bld 15	4,518
Bld 7	28,683	Bld 16	714
Bld 8	16,905	Bld 17	1,885
Bld 9	485	Bld 18	863

APPROXIMATE AREAS OF SIGNIFICANT LOCATIONS			
Location	Area (SQ. FT.)	LOCATION	AREA (SQ. FT.)
Treated Pole Storage Yard 1	94,706	Area A	10,943
Treated Pole Storage Yard 2	120,042	Area B	490
Treated Pole Storage Yard 3	372,448	Area C	2,497
Treated Pole Storage Yard 4	174,656	Area D	2,497
Treated Pole Storage Yard 5	102,412	Area E	5,382
Treated Pole Storage Yard 6	77,084	Area F	5,382
Untreated Storage	402,039	Area G	109,140
Combined Impoundments	224,521	Area H	13,422
		Area I	5,206
		Area J	5,206
		Area K	4,101

-  Roofed Structure
-  Concrete or Asphalt Area

T. R. MILLER MILL COMPANY, INC.  
TREATING PLANT – BREWTON, AL

SCALE: AS SHOWN  
DATE: 10/27/08

APPROVED BY: 

DRAWN BY: JMR

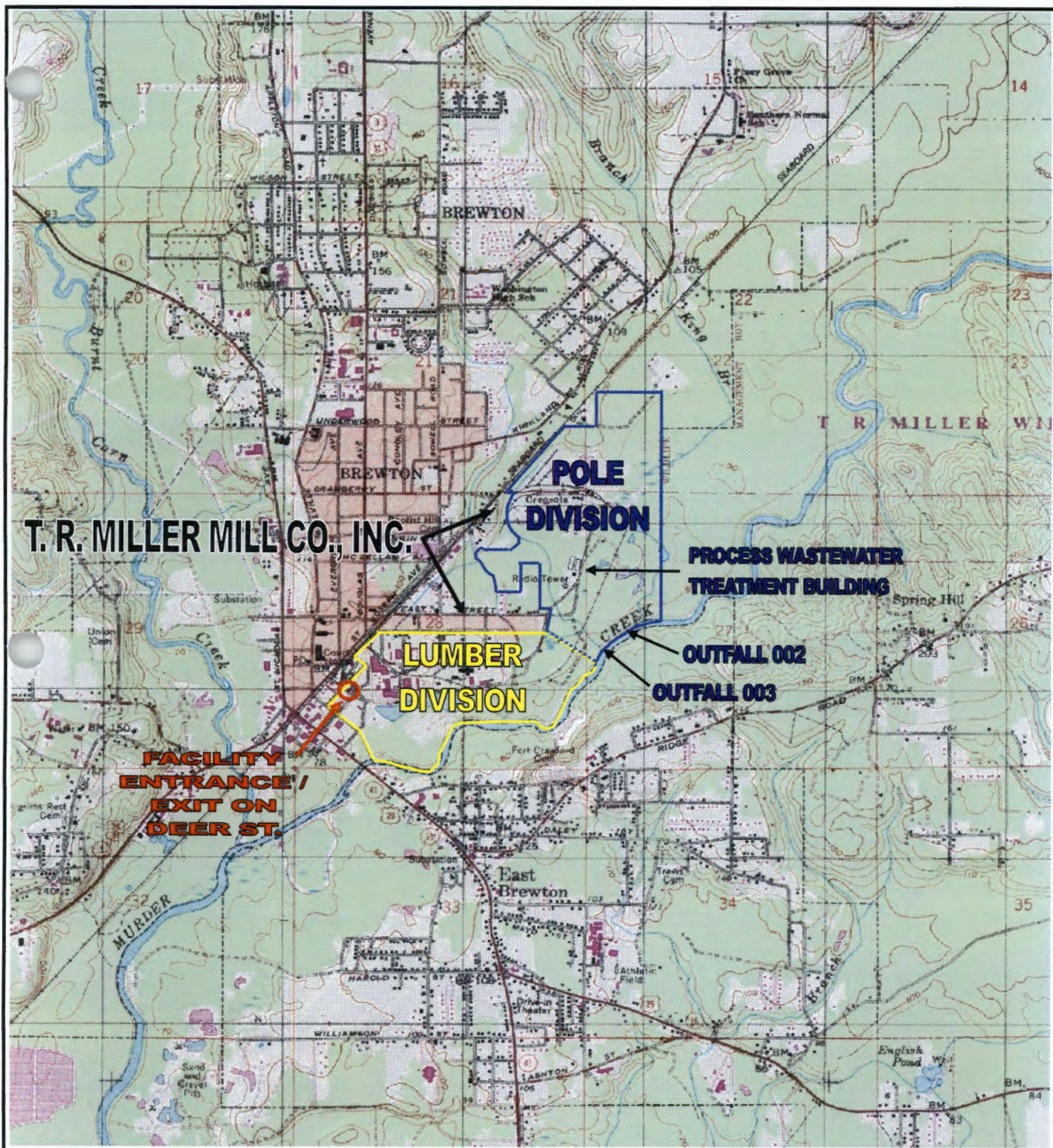
Site Drawing of Roofed and Concreted Areas

H. M. ROLLINS CO., INC.  
GULFPORT, MS

DRAWING NUMBER  
070801a1

This drawing was created from an aerial photograph linked to GIS data to provide accurate scaling and orientation. However the objects and locations depicted are not from an on-site survey and should be considered approximations useful for relative site relationships between the different areas of the facility. The calculated areas are not represented to be exact values and should be considered approximations only.





0 1/4 1/2 3/4 1 MILE

T. R. MILLER MILL COMPANY, INC.  
BREWTON, ALABAMA

U.S.G.S. TOPOGRAPHIC MAP  
QUAD: BREWTON SOUTH

SCALE:  
1" = 2450'

H.M. ROLLINS CO., INC.  
GULFPORT, MS





T. R. MILLER MILL COMPANY, INC.

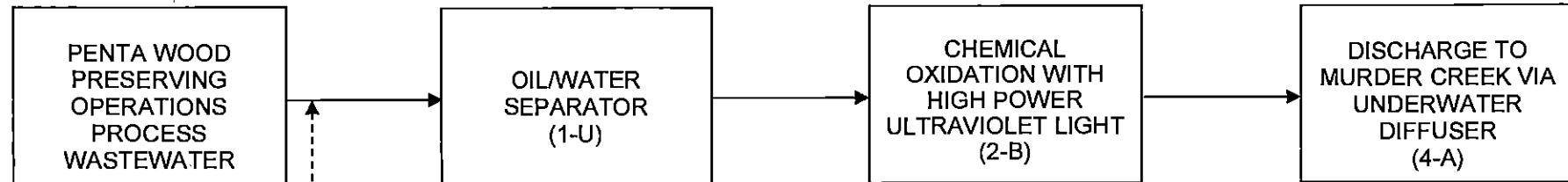
BREWTON, ALABAMA

POLE DIVISION AERIAL PHOTOGRAPH

H. M. ROLLINS CO., INC.  
GULFPORT, MS

## T. R. MILLER MILL COMPANY, INC.

### CURRENT LINE DRAWING

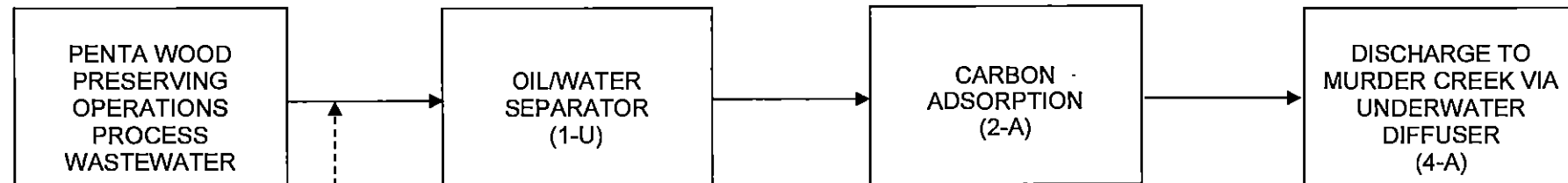


CONTAMINATED  
GROUNDWATER  
(not currently discharged)

Process wastewater to be discharged in batches when enough is accumulated.  
Discharge of 1,000 gallons per day per event. No discharge event has occurred in the last 10 years.  
*Note: Groundwater is presently not required to be extracted and treated.*

*T. R. Miller still needs the ability to treat and discharge groundwater in the event that the State requires that the groundwater pump-and-treat system be restarted. T. R. Miller is proposing to continue on the same monitoring schedule with the same pollutants as in the current permit (which was established based on treating and discharging groundwater) to help facilitate this request.*

### PLANNED NEW LINE DRAWING FOR PERMIT RENEWAL



CONTAMINATED  
GROUNDWATER  
(not currently discharged)

Facility is in planning stages of replacing the UV System with an Activated Carbon System to be initialized at permit renewal.