



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

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SEPTEMBER 30, 2022

Cathy Fuller, Director  
City of Talladega  
100 North Court Street  
Talladega, AL 35160

RE: Draft Permit  
NPDES Permit No. AL0022349  
Talladega Brecon WWTP  
Talladega County, Alabama

Dear Ms. Fuller:

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.

Please be aware that Parts I.C.1.c and I.C.2.e of your permit require participation in the Department's Alabama Environmental Permitting and Compliance System (AEPACS) for submittal of DMRs and SSOs upon issuance of this permit unless valid justification as to why you cannot participate is submitted in writing. SSO hotline notifications and hard copy Form 415 SSO reports may be used only with the written approval from the Department. AEPACS allows ADEM to electronically validate and acknowledge receipt of the data. This improves the accuracy of reported compliance data and reduces costs to both the regulated community and ADEM. Please note that all AEPACS users can create the electronic DMRs and SSOs; however, only AEPACS users with certifier permissions will be able to submit the electronic DMRs and SSOs to ADEM.

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

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

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

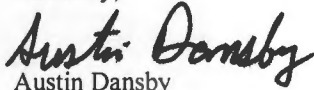


Please also be aware that Part IV. of your permit requires that you develop, implement, and maintain a Sanitary Sewer Overflow Response Plan.

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.

Should you have any questions, please contact the undersigned [austin.dansby@adem.alabama.gov](mailto:austin.dansby@adem.alabama.gov).

Sincerely,



Austin Dansby  
Municipal Section  
Water Division

Enclosure

cc: Environmental Protection Agency Email  
Ms. Elaine Snyder/U.S. Fish and Wildlife Service  
Ms. Elizabeth Brown/Alabama Historical Commission  
Advisory Council on Historic Preservation  
Department of Conservation and Natural Resources



# NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

**PERMITTEE:** CITY OF TALLADEGA  
100 NORTH COURT STREET  
TALLADEGA, AL 35160

**FACILITY LOCATION:** TALLADEGA BRECON WWTP (0.5 MGD)  
525 WELCH AVENUE  
TALLADEGA, ALABAMA  
TALLADEGA COUNTY

**PERMIT NUMBER:** AL0022349

**RECEIVING WATERS:** UNNAMED TRIBUTARY TO KELLY 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

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Alabama Department of Environmental Management

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**PART I: DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS****A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS****1. Outfall 0011: Treated Municipal and Industrial Wastewater**

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 Outfall 001, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq See note (1)	Sample Type	Seasonal See note (2)
Oxygen, Dissolved (DO) (00300) Effluent Gross Value	*****	*****	*****	6.0 Minimum Daily	*****	*****	mg/l	3X Weekly test	Grab	Not Seasonal
pH (00400) Effluent Gross Value	*****	*****	*****	6.0 Minimum Daily	*****	8.5 Maximum Daily	S.U.	3X Weekly test	Grab	Not Seasonal
Solids, Total Suspended (00530) Effluent Gross Value	125 Monthly Average	187 Weekly Average	lbs/day	*****	30.0 Monthly Average	45.0 Weekly Average	mg/l	3X Weekly test	24-Hr Composite	Not Seasonal
Solids, Total Suspended (00530) Raw Sew/Influent	(Report) Monthly Average	(Report) Weekly Average	lbs/day	*****	(Report) Monthly Average	(Report) Weekly Average	mg/l	3X Weekly test	24-Hr Composite	Not Seasonal
Nitrogen, Ammonia Total (As N) (00610) Effluent Gross Value	16.6 Monthly Average	25.0 Weekly Average	lbs/day	*****	4.0 Monthly Average	6.0 Weekly Average	mg/l	3X Weekly test	24-Hr Composite	W
Nitrogen, Ammonia Total (As N) (00610) Effluent Gross Value	6.3 Monthly Average	9.4 Weekly Average	lbs/day	*****	1.5 Monthly Average	2.2 Weekly Average	mg/l	3X Weekly test	24-Hr Composite	S
Nitrogen, Kjeldahl Total (As N) (00625) Effluent Gross Value	(Report) Monthly Average	(Report) Weekly Average	lbs/day	*****	(Report) Monthly Average	(Report) Weekly Average	mg/l	Monthly	24-Hr Composite	S
Nitrite Plus Nitrate Total 1 Det. (As N) (00630) Effluent Gross Value	(Report) Monthly Average	(Report) Weekly Average	lbs/day	*****	(Report) Monthly Average	(Report) Weekly Average	mg/l	Monthly	24-Hr Composite	S
Phosphorus, Total (As P) (00665) Effluent Gross Value	(Report) Monthly Average	(Report) Weekly Average	lbs/day	*****	(Report) Monthly Average	(Report) Weekly Average	mg/l	Monthly	24-Hr Composite	S

See Part II.C.1. for Bypass and Part II.C.2. for Upset conditions.

(1) Sample Frequency – See also Part I.B.2

See Permit Requirements for Effluent Toxicity Testing in Part IV.B.

(2) S = Summer (April – October)

W = Winter (November – March)

ECS = E. coli Summer (May - October)

ECW = E. coli Winter (November - April)

(3) See Part IV.C. for Total Residual Chlorine (TRC). Monitoring for TRC is applicable if chlorine is utilized for disinfection purposes. If monitoring is not applicable during the monitoring period, enter “\*9” on the monthly DMR.

(4) A measurement of TRC below 0.05 mg/L shall be considered in compliance with the permit limitations above and should be reported as “\*B” on the monthly DMR.

**Outfall 0011 (Continued): Treated Municipal and Industrial Wastewater**

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 Outfall 001, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq See note (1)	Sample Type	Seasonal See note (2)
Zinc Total Recoverable (01094) Effluent Gross Value	*****	*****	*****	*****	197 Monthly Average	197 Maximum Daily	ug/l	Monthly	24-Hr Composite	Not Seasonal
Copper Total Recoverable (01119) Effluent Gross Value	*****	*****	*****	*****	(Report) Monthly Average	(Report) Maximum Daily	ug/l	Monthly	24-Hr Composite	Not Seasonal
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Daily	Continuous	Not Seasonal
Chlorine, Total Residual (50060) See notes (3, 4) Effluent Gross Value	*****	*****	*****	*****	0.011 Monthly Average	0.019 Maximum Daily	mg/l	3X Weekly test	Grab	Not Seasonal
E. Coli (51040) Effluent Gross Value	*****	*****	*****	*****	126 Monthly Average	298 Maximum Daily	col/100mL	3X Weekly test	Grab	ECS
E. Coli (51040) Effluent Gross Value	*****	*****	*****	*****	548 Monthly Average	2507 Maximum Daily	col/100mL	3X Weekly test	Grab	ECW
BOD, Carbonaceous 05 Day, 20C (80082) Effluent Gross Value	50.0 Monthly Average	75.0 Weekly Average	lbs/day	*****	12.0 Monthly Average	18.0 Weekly Average	mg/l	3X Weekly test	24-Hr Composite	W
BOD, Carbonaceous 05 Day, 20C (80082) Effluent Gross Value	16.6 Monthly Average	25.0 Weekly Average	lbs/day	*****	4.0 Monthly Average	6.0 Weekly Average	mg/l	3X Weekly test	24-Hr Composite	S
BOD, Carbonaceous 05 Day, 20C (80082) Raw Sew/Influent	(Report) Monthly Average	(Report) Weekly Average	lbs/day	*****	(Report) Monthly Average	(Report) Weekly Average	mg/l	3X Weekly test	24-Hr Composite	Not Seasonal

See Part II.C.1. for Bypass and Part II.C.2. for Upset conditions.

(1) Sample Frequency – See also Part I.B.2

See Permit Requirements for Effluent Toxicity Testing in Part IV.B.

(2) S = Summer (April – October)

W = Winter (November - March)

ECS = E. coli Summer (May - October)

ECW = E. coli Winter (November - April)

(3) See Part IV.C. for Total Residual Chlorine (TRC). Monitoring for TRC is applicable if chlorine is utilized for disinfection purposes. If monitoring is not applicable during the monitoring period, enter “\*9” on the monthly DMR.

(4) A measurement of TRC below 0.05 mg/L shall be considered in compliance with the permit limitations above and should be reported as “\*B” on the monthly DMR.

**Outfall 0011 (Continued): Treated Municipal and Industrial Wastewater**

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 Outfall 001, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq See note (1)	Sample Type	Seasonal See note (2)
BOD, Carb-5 Day, 20 Deg C, Percent Remvl (80091) Percent Removal	****	****	****	85.0 Monthly Average Minimum	****	****	%	Monthly	Calculated	Not Seasonal
Solids, Suspended Percent Removal (81011) Percent Removal	****	****	****	85.0 Monthly Average Minimum	****	****	%	Monthly	Calculated	Not Seasonal

See Part II.C.1. for Bypass and Part II.C.2. for Upset conditions.

(1) Sample Frequency – See also Part I.B.2

See Permit Requirements for Effluent Toxicity Testing in Part IV.B.

(2) S = Summer (April – October)

W = Winter (November - March)

ECS = E. coli Summer (May - October)

ECW = E. coli Winter (November - April)

(3) See Part IV.C. for Total Residual Chlorine (TRC). Monitoring for TRC is applicable if chlorine is utilized for disinfection purposes. If monitoring is not applicable during the monitoring period, enter “\*9” on the monthly DMR.

(4) A measurement of TRC below 0.05 mg/L shall be considered in compliance with the permit limitations above and should be reported as “\*B” on the monthly DMR.



**2. Outfall 001T: Toxicity**

Outfall 001T represents the same physical outfall as Outfall 0011. The Department uses the 001T designation for all samples analyzed for toxicity monitoring. Discharge from this outfall shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq See note (1)	Sample Type	Seasonal See note (2)
	*****	0 Single Sample		pass=0;fail=1	*****	*****				
Toxicity, Ceriodaphnia Chronic (61426) Effluent Gross Value	*****	0 Single Sample	pass=0;fail=1	*****	*****	*****	*****	See Permit Requirements	24-Hr Composite	Aug
Toxicity, Pimephales Chronic (61428) Effluent Gross Value	*****	0 Single Sample	pass=0;fail=1	*****	*****	*****	*****	See Permit Requirements	24-Hr Composite	Aug

See Part II.C.1. for Bypass and Part II.C.2. for Upset conditions.

(1) Sample Frequency – See also Part I.B.2

See Permit Requirements for Effluent Toxicity Testing in Part IV.B.

(2) S = Summer (April – October)

W = Winter (November - March)

ECS = E. coli Summer (May - October)

ECW = E. coli Winter (November - April)

## **B. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS**

### **1. Representative Sampling**

Sample collection and measurement actions shall be representative of the volume and nature of the monitored discharge and shall be in accordance with the provisions of this permit. The effluent sampling point shall be at the nearest accessible location just prior to discharge and after final treatment, unless otherwise specified in the permit.

### **2. Measurement Frequency**

Measurement frequency requirements found in Provision I.A. shall mean:

- a. Seven days per week shall mean daily.
- b. Five days per week shall mean any five days of discharge during a calendar weekly period of Sunday through Saturday.
- c. Three days per week shall mean any three days of discharge during a calendar week.
- d. Two days per week shall mean any two days of discharge during a calendar week
- e. One day per week shall mean any day of discharge during a calendar week.
- f. Two days per month shall mean any two days of discharge during the month that are no less than seven days apart. However, if discharges occur only during one seven-day period in a month, then two days per month shall mean any two days of discharge during that seven day period.
- g. One day per month shall mean any day of discharge during the calendar month.
- h. Quarterly shall mean any day of discharge during each calendar quarter.
- i. The Permittee may increase the frequency of sampling, listed in Provisions I.B.2.a through I.B.2.h; however, all sampling results are to be reported to the Department.

### **3. 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. 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.



#### 4. 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.

#### 5. Records Retention and Production

- a. 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 should not be submitted unless requested.
- b. 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.

#### 6. Reduction, Suspension or Termination of Monitoring and/or Reporting

- a. The Director may, with respect to any point source identified in Provision I.A. of this permit, authorize the permittee to reduce, suspend or terminate the monitoring and/or reporting required by this permit upon the submission of a written request for such reduction, suspension or termination by the permittee, supported by sufficient data which demonstrates to the satisfaction of the Director that the discharge from such point source will continuously meet the discharge limitations specified in Provision I.A. of this permit.
- b. It remains the responsibility of the permittee to comply with the monitoring and reporting requirements of this permit until written authorization to reduce, suspend or terminate such monitoring and/or reporting is received by the permittee from the Director.

#### 7. 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. At a minimum, flow measurement devices shall be calibrated at least once every 12 months.

### C. DISCHARGE REPORTING REQUIREMENTS

#### 1. Reporting of Monitoring Requirements

- a. The permittee shall conduct the required monitoring in accordance with the following schedule:
  - (1) **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.
  - (2) **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 should be reported on the last DMR due for the quarter (i.e., March, June, September and December DMRs).

- (3) **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 reported on the last DMR due for the month of the semiannual period (i.e., June and December DMRs).
  - (4) **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 reported on the December DMR.
- b. The permittee shall submit discharge monitoring reports (DMRs) in accordance with the following schedule:
- (1) **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 the month following the month the permit becomes effective. 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, unless otherwise directed by the Department.
  - (2) **REPORTS OF QUARTERLY TESTING** shall be submitted on a quarterly basis. The first report is due on the 28th day of the month following the first complete calendar quarter the permit becomes effective. 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, unless otherwise directed by the Department.
  - (3) **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, unless otherwise directed by the Department.
  - (4) **REPORTS OF ANNUAL TESTING** shall be submitted on an annual basis. Unless specified elsewhere in the permit, 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, unless otherwise directed by the Department.
- c. Except as allowed by Provision I.C.1.c.(1) or (2), the permittee shall submit all Discharge Monitoring Reports (DMRs) required by Provision I.C.1.b. electronically.
- (1) If the permittee is unable to complete the electronic submittal of DMR data due to technical problems originating with the Department's electronic system (this could include entry/submittal issues with an entire set of DMRs or individual parameters), the permittee is not relieved of their obligation to submit DMR data to the Department by the date specified in Provision I.C.1.b., unless otherwise directed by the Department.  

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

- (4) 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.
- (5) 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.
- (6) 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 and Regulations, 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  
Office of Water Services, Water Division  
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  
Office of Water Services, Water Division  
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  
Municipal Section, Water Division  
Post Office Box 301463  
Montgomery, Alabama 36130-1463**

Certified and Registered Mail shall be addressed to:

**Alabama Department of Environmental Management  
Environmental Data Section, Permits & Services Division  
1400 Coliseum Boulevard  
Montgomery, Alabama 36110-2400**

- g. If this permit is a reissuance, 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 Notifications and Reports

- a. The Permittee shall notify the Department if, for any reason, the Permittee's discharge:
- (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) Potentially threatens human health or welfare;

- (3) Threatens fish or aquatic life;
- (4) Causes an in-stream water quality criterion to be exceeded;
- (5) 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);
- (6) Contains a quantity of a hazardous substance that may be harmful to public health or welfare under Section 311(b)(4) of the FWPCA, 33 U.S.C. Section 1321(b)(4);
- (7) Exceeds any discharge limitation for an effluent parameter listed in Part I.A. as a result of an unanticipated bypass or upset; or
- (8) Is an unpermitted direct or indirect discharge of a pollutant to a water of the state. (Note that unpermitted discharges properly reported to the Department under any other requirement are not required to be reported under this provision.)

The Permittee shall orally or electronically provide notification of any of the above occurrences, describing the circumstances and potential effects, to the Director or Designee within 24-hours after the Permittee becomes aware of the occurrence of such discharge. In addition to the oral or electronic notification, the Permittee shall submit a report to the Director or Designee, as provided in Provision I.C.2.c. or I.C.2.e., no later than five days after becoming aware of the occurrence of such discharge or occurrence.

- b. If, for any reason, the Permittee's discharge does not comply with any limitation of this permit, then the Permittee shall submit a written report to the Director or Designee, as provided in Provision I.C.2.c below. This report must be submitted with the next Discharge Monitoring Report required to be submitted by Provision I.C.1 of this permit after becoming aware of the occurrence of such noncompliance.
- c. Except for notifications and reports of notifiable SSOs which shall be submitted in accordance with the applicable Provisions of this permit, the Permittee shall submit the reports required under Provisions I.C.2.a. and b. to the Director or Designee on ADEM Form 421, available on the Department's website (<http://www.adem.state.al.us/DeptForms/Form421.pdf>). The completed Form must document the following information:
  - (1) A description of the discharge and cause of noncompliance;
  - (2) The period of noncompliance, including exact dates, times, and duration of the noncompliance. If the noncompliance is not corrected by the due date of the written report, then the Permittee shall provide an estimated date by which the noncompliance will be corrected; and
  - (3) A description of the steps taken by the Permittee and the steps planned to be taken by the Permittee to reduce or eliminate the noncompliant discharge and to prevent its recurrence.
- d. Immediate notification

The Permittee shall provide notification to the Director, the public, the county health department, and any other affected entity such as public water systems, as soon as possible upon becoming aware of any notifiable sanitary sewer overflow. Notification to the Director shall be completed utilizing the Department's web-based electronic environmental SSO reporting system in accordance with Provision I.C.2.e.

- e. The Department is utilizing an electronic system for notification and submittal of SSO reports. Except as noted below, the Permittee must submit all SSO reports electronically in the Department's electronic system. If requested, waivers from utilization of the electronic system shall be submitted in accordance with ADEM Admin. Code 335-6-1-.04(6). The Department's electronic reporting system shall be utilized unless a written waiver has been granted. A waiver is not effective until receipt of written approval from the Department. Utilization of verbal notifications and hard copy SSO report submittals is allowed only if approved in writing by the Department. The Permittee shall include in the SSO reports the information requested by ADEM Form 415. In addition, the Permittee shall include the latitude and longitude of the SSO in the report except when the SSO is a result of an extreme weather event (e.g., hurricane). To participate in the electronic system for SSO reports, an account may be created at <https://aepacs.adem.alabama.gov/nviro/ncore/external/home>. If the electronic system is down (i.e., electronic submittal of SSO data cannot be completed due to technical problems originating with the Department's system), the Permittee is not relieved of its obligation to notify the Department or submit SSO reports to the Department by the required submittal date, and the Permittee shall submit the data in an alternate manner and format acceptable to the Department. Preapproved alternate acceptable methods include verbal reports, reports submitted via the SSO hotline, or reports submitted via fax, e-mail, mail, or hand-delivery such that they are



received by the required reporting date. Within five calendar days of the electronic system resuming operation, the Permittee shall enter the data into the electronic system, unless an alternate timeframe is approved by the Department. For any alternate notification, records of the date, time, notification method, and person submitting the notification should be maintained by the Permittee. If a Permittee is allowed to submit SSO reports via an alternate method, the SSO report must be in a format approved by the Department and must be legible.

- f. The Permittee shall maintain a record of all known wastewater discharge points that are not authorized as permitted outfalls, including but not limited to SSOs. The Permittee shall include this record in its **Municipal Water Pollution Prevention (MWPP) Annual Reports**, which shall be submitted to the Department each year by May 31st for the prior calendar year period beginning January 1st and ending December 31st. The MWPP Annual Reports shall contain a list of all known wastewater discharge points that are not authorized as permitted outfalls and any discharges that occur prior to the headworks of the wastewater treatment plant covered by this permit. The Permittee shall also provide in the MWPP Annual Reports a list of any discharges reported during the applicable time period in accordance with Provision I.C.2.a. The Permittee shall include in its MWPP Annual Reports the following information for each known unpermitted discharge that occurred:
- (1) The cause of the discharge;
  - (2) Date, duration and volume of discharge (estimate if unknown);
  - (3) Description of the source (e.g., manhole, lift station);
  - (4) Location of the discharge, by latitude and longitude (or other appropriate method as approved by the Department);
  - (5) The ultimate destination of the flow (e.g., surface waterbody, municipal separate storm sewer to surface waterbody). Location should be shown on a USGS quad sheet or copy thereof; and
  - (6) Corrective actions taken and/or planned to eliminate future discharges.

#### **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 or 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.

#### **E. SCHEDULE OF COMPLIANCE**

##### **1. Compliance with discharge limits**

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. Schedule**

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. Certified Operator**

The permittee shall not operate any wastewater treatment plant unless the competency of the operator to operate such plant has been duly certified by the Director pursuant to AWPCA, and meets the requirements specified in ADEM Administrative Code, Rule 335-10-1.

### **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**

- a. 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:
  - (1) 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;
  - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permits;
  - (3) Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under the permit; and
  - (4) 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, 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 or negate the Permittee's responsibility to apply for, obtain, or comply with other Federal, State, or Local Government permits, certifications, or licenses or to preclude from obtaining other federal, state, or local approvals, including those applicable to other ADEM programs and regulations.

## 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 Boulevard Montgomery, Alabama 36110-2059.
- 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

Prior to any facility expansion, process modification or any significant change in the method of operation of the permittee's treatment works, the permittee shall provide the Director with information concerning the planned expansion, modification or change. The permittee shall apply for a permit modification at least 180 days prior to any facility expansion, process modification, significant change in the method of operation of the permittee's treatment works, or other actions that could result in the discharge of additional pollutants or increase the quantity of a discharged pollutant or could result in an additional discharge point. This condition 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.

## 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; or

**5. 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.
- h. Any other cause allowed by the ADEM Administrative Code, Chapter 335-6-6.

#### **6. Suspension**

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

#### **7. Stay**

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. NOTICE TO DIRECTOR OF INDUSTRIAL USERS**

1. The permittee shall not allow the introduction of wastewater, other than domestic wastewater, from a new direct discharger prior to approval and permitting, if applicable, of the discharge by the Department.
2. The permittee shall not allow an existing indirect discharger to increase the quantity or change the character of its wastewater, other than domestic wastewater, prior to approval and permitting, if applicable, of the increased discharge by the Department.
3. The permittee shall report to the Department any adverse impact caused or believed to be caused by an indirect discharger on the treatment process, quality of discharged water or quality of sludge. Such report shall be submitted within seven days of the permittee becoming aware of the adverse impacts.

### **H. PROHIBITIONS**

The permittee shall not allow, and shall take effective enforcement action to prevent and terminate, the introduction of any of the following into its treatment works by industrial users:

1. Pollutants which create a fire or explosion hazard in the treatment works;
2. Pollutants which will cause corrosive structural damage to the treatment works, or dischargers with a pH lower than 5.0 s.u., unless the works are specifically designed to accommodate such discharges;
3. Solid or viscous pollutants in amounts which will cause obstruction of flow in sewers, or other interference with the treatment works;
4. Pollutants, including oxygen demanding pollutants, released in a discharge of such volume or strength as to cause interference in the treatment works;

5. Heat in amounts which will inhibit biological activity in the treatment plant resulting in interference or in such quantities that the temperature of the treatment plant influent exceeds 40 °C (104 °F) unless the treatment plant is designed to accommodate such heat;
6. Pollutants in amounts which exceed any applicable pretreatment standard under Section 307 of FWPCA or any approved revisions thereof.



## **PART III: ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS**

### **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, 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 are 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 this paragraph.
4. Final plans and specifications for a waste treatment facility at a new source or new discharger, or a modification to an existing waste treatment facility must be submitted to and examined by the Department prior to initiating construction of such treatment facility by the permittee.
5. Upon completion of construction of waste treatment facilities and prior to operation of such facilities, the permittee shall submit to the Department a certification from a registered professional engineer, licensed to practice in the State of Alabama, that the treatment facilities have been built according to plans and specifications submitted to and examined by the Department.

#### **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 waste into waters of the state". Code of Alabama 1975, Section 22-22-1(b)(9).
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 8 equal volume samples collected at constant time intervals of not more than 1 hour 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 the arithmetic mean of all the composite or grab samples taken for the daily discharges collected in 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. **Notifiable sanitary sewer overflow** - means an overflow, spill, release or diversion of wastewater from a sanitary sewer system that:
  - a) Reaches a surface water of the State; or
  - b) May imminently and substantially endanger human health based on potential for public exposure including but not limited to close proximity to public or private water supply wells or in areas where human contact would be likely to occur.
31. **Permit application** - means forms and additional information that is required by ADEM Administrative Code Rule 335-6-6-.08 and applicable permit fees.
32. **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).
33. **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.
34. **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”.
35. **Publicly Owned Treatment Works (POTW)** – 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.
36. **Receiving Stream** – means the “waters” receiving a “discharge” from a “point source”.
37. **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.
38. **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.
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 8 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;
  - 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: SPECIFIC REQUIREMENTS, CONDITIONS, AND LIMITATIONS**

### **A. SLUDGE MANAGEMENT PRACTICES**

#### **1. Applicability**

- a. Provisions of Provision IV.A. apply to a sewage sludge generated or treated in treatment works that is applied to agricultural and non-agricultural land, or that is otherwise distributed, marketed, incinerated, or disposed in landfills or surface disposal sites.
- b. Provisions of Provision IV.A. do not apply to:
  - (1) Sewage sludge generated or treated in a privately owned treatment works operated in conjunction with industrial manufacturing and processing facilities and which receive no domestic wastewater.
  - (2) Sewage sludge that is stored in surface impoundments located at the treatment works prior to ultimate disposal.

#### **2. Submitting Information**

- a. If applicable, the Permittee must submit annually with its Municipal Water Pollution Prevention (MWPP) report the following:
  - (1) Type of sludge stabilization/digestion method;
  - (2) Daily or annual sludge production (dry weight basis);
  - (3) Ultimate sludge disposal practice(s).
- b. The Permittee shall provide sludge inventory data to the Director as requested. These data may include, but are not limited to, sludge quantity and quality reported in Provision IV.A.2.a as well as other specific analyses required to comply with State and Federal laws regarding solid and hazardous waste disposal.
- c. The Permittee shall give prior notice to the Director of at least 30 days of any change planned in the Permittee's sludge disposal practices.

#### **3. Reopener or Modification**

- a. Upon review of information provided by the Permittee as required by Provision IV.A.2. or, based on the results of an on-site inspection, the permit shall be subject to modification to incorporate appropriate requirements.
- b. If an applicable "acceptable management practice" or if a numerical limitation for a pollutant in sewage sludge promulgated under Section 405 of FWPCA is more stringent than the sludge pollutant limit or acceptable management practice in this permit. This permit shall be modified or revoked or reissued to conform to requirements promulgated under Section 405. The Permittee shall comply with the limitations no later than the compliance deadline specified in applicable regulations as required by Section 405 of FWPCA.

### **B. EFFLUENT TOXICITY LIMITATIONS AND BIOMONITORING REQUIREMENTS FOR CHRONIC TOXICITY**

#### **1. Chronic Toxicity Test**

- a. The permittee shall perform short-term chronic toxicity tests on the wastewater at **Outfall 0011**.
- b. The samples shall be diluted using appropriate control water to the Instream Waste Concentration (IWC) which is **100 percent effluent**. The IWC is the actual concentration of effluent, after mixing, in the receiving stream during a 7-day, 10-year low flow period.
- c. Any test result that shows a statistically significant reduction in survival, growth, or reproduction between the control and test samples at the 95% confidence level indicates chronic toxicity and shall constitute noncompliance with this permit.

#### **2. General Test Requirements**

- a. A minimum of three (3) 24-hour composite samples shall be obtained for use in the above biomonitoring tests. Samples shall be collected every other day so that the laboratory receives water samples on the first, third, and fifth day of the seven-day test period. The holding time for each composite 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-02-013 (most current edition) or another control water selected by the Permittee and approved by the Department.

- b. Test results shall be deemed unacceptable and the Permittee shall rerun the tests as soon as practical within the monitoring period for the following:
  - (1) For testing with *P. promelas*: effluent toxicity tests with control survival of less than 80% or if dry weight per surviving control organism is less than 0.25 mg;
  - (2) For testing with *C. dubia*: if the number of young per surviving control organism is less than 15 or if less than 60% of surviving control females produce three broods; or
  - (3) If the other requirements of the EPA Test Procedure are not met.
- c. In the event of an invalid test, upon subsequent completion of a valid test, the results of all tests, valid and invalid, are to be reported to the Department along with an explanation of the tests performed and the test results.
- d. Toxicity tests shall be conducted for the duration of this permit in the month of AUGUST. Should results from the Annual Toxicity test indicate that **Outfall 0011** exhibits chronic toxicity, then the Permittee must conduct the follow-up testing described in Part IV.B.4.a. In addition, the Permittee may then also be required to conduct toxicity testing in the months of FEBRUARY, MAY, AUGUST, and NOVEMBER.

### 3. Reporting Requirements

- a. The Permittee shall notify the Department in writing within 48 hours after toxicity has been demonstrated by the scheduled test(s).
- b. 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 Sections 2 and 6 shall be included with the DMR. The test results must be submitted to the Department no later than 28 days after the month that tests were performed.

### 4. Additional Testing Requirements

- a. If chronic toxicity is indicated (i.e., noncompliance with permit limit), then the Permittee must perform two additional valid chronic toxicity tests in accordance with these procedures to determine the extent and duration of the toxic condition. The toxicity tests shall run consecutively beginning on the first calendar week following the date that the Permittee became aware of the permit noncompliance. The results of these follow-up tests shall be submitted to the Department no later than 28 days following the month the tests were performed.
- b. 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 and guidance outlined by EPA (e.g., EPA/600/2-88/062, EPA/600/R-92/080, EPA/600/R-91-003, EPA/600/R-92/081, EPA/833/B-99/022, and/or EPA/600/6-91/005F)

### 5. Test Methods

The tests shall be performed in accordance with the latest edition of the "EPA Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms." The Larval Survival and Growth Test, Method 1000.0, shall be used for the fathead minnow (*Pimephales promelas*) test and the Survival and Reproduction Test, Method 1002.0, shall be used for the cladoceran (*Ceriodaphnia dubia*) test.

### 6. Effluent Toxicity Testing Reports

The following information shall be submitted with each DMR unless otherwise directed by the Department. The Department may at any times suspend or reinstate this requirement or may decrease or increase 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)
    - (i) Name of firm
    - (ii) Telephone number
    - (iii) 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 dates (MGD, CFS, GPM)
  - (3) Design flow of treatment facility at time of sampling
- c. Source of Effluent and Dilution Water
- (1) Effluent samples
  - (2) Sampling point
  - (3) Sample collection dates and times (to include composite sample start and finish times)
  - (4) Sample collection method
  - (5) Physical and chemical data of undiluted effluent samples (water temperature, pH, alkalinity, hardness, specific conductance, total residual chlorine (if applicable), etc.)
  - (6) Lapsed time from sample collection to delivery
  - (7) Lapsed time from sample collection to test initiation
  - (8) Sample temperature when received at the laboratory
  - (9) Dilution Water
  - (10) Source
  - (11) Collection/preparation date(s) and time(s)
  - (12) Pretreatment (if applicable)
  - (13) Physical and chemical characteristics (water temperature, pH, alkalinity, hardness, 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) Specify if aeration was needed
  - (12) Feeding frequency, amount, and type of food

(13) Specify if (and how) pH control measures were implemented

(14) Light intensity (mean)

e. Test Organisms

(1) Scientific name

(2) Life stage and age

(3) Source

(4) Disease(s) treatment (if applicable)

f. Quality Assurance

(1) Reference toxicant utilized and source

(2) Date and time of most recent chronic reference toxicant test(s), raw data, and current control chart(s). (The most recent chronic reference toxicant test shall be conducted within 30 days of the routine.)

(3) Dilution water utilized in reference toxicant test

(4) Results of reference toxicant test(s) (NOEC, IC25, etc.); report concentration-response relationship and evaluate test sensitivity

(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: NOECs, IC25s, PASS/FAIL, etc. (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) (NOEC, IC25, PASS/FAIL, etc.), report concentration-response relationship (definitive test only), report percent minimum significant difference (PMSD) calculated for sublethal endpoints determined by hypothesis testing.

h. Conclusions and Recommendations

(1) Relationship between test endpoints and permit limits

(2) Actions to be taken

Adapted from "Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms", Fourth Edition, October 2002 (EPA 821-R-02-013), Section 10, Report Preparation.

### C. TOTAL RESIDUAL CHLORINE (TRC) REQUIREMENTS

1. If chlorine is not utilized for disinfection purposes, TRC monitoring under Part I of this Permit is not required. If TRC monitoring is not required (conditional monitoring), "\*9" should be reported on the DMR forms.
2. Testing for TRC shall be conducted according to either the amperometric titration method or the DPD colorimetric method as specified in Section 408(C) or (E), Standards Methods for the Examination of Water and Wastewater, 18th edition. If chlorine is not detected prior to actual discharge to the receiving stream using one of these methods (i.e., the analytical result is less than the detection level), the Permittee shall report on the DMR form "\*B", or "0". The Permittee shall then be considered to be in compliance with the daily maximum concentration limit for TRC.
3. This permit contains a maximum allowable TRC level in the effluent. The Permittee is responsible for determining the minimum TRC level needed in the chlorine contact chamber to comply with E.coli limits. The effluent shall be dechlorinated if necessary to meet the maximum allowable effluent TRC level.
4. The sample collection point for effluent TRC shall be at a point downstream of the chlorine contact chamber (downstream of dechlorination, if applicable). The exact location is to be approved by the Director.

#### D. PLANT CLASSIFICATION

The Permittee shall report to the Director within 30 days of the effective date of this permit, the name, address and operator number of the certified wastewater operator in responsible charge of the facility. Unless specified elsewhere in this permit, this facility shall be classified in accordance with ADEM Admin. Code R. 335-10-1-.03.

#### E. SANITARY SEWER OVERFLOW RESPONSE PLAN

##### 1. SSO Response Plan

Within 120 days of the effective date of this Permit, the Permittee shall develop a Sanitary Sewer Overflow (SSO) Response Plan to establish timely and effective methods for responding to notifiable sanitary sewer overflows. The SSO Response Plan shall address each of the following:

##### a. General Information

- (1) Approximate population of City/Town, if applicable
- (2) Approximate number of customers served by the Permittee
- (3) Identification of any subbasins designated by the Permittee, if applicable
- (4) Identification of estimated linear feet of sanitary sewers
- (5) Number of Pump/Lift Stations in the collection system

##### b. Responsibility Information

- (1) The title(s) and contact information of key position(s) who will coordinate the SSO response, including information for a backup coordinator in the event that the primary SSO coordinator is unavailable. The SSO coordinator is the person responsible for assessing the SSO and initiating a series of response actions based on the type, severity, and destination of the SSO, except for routine SSOs for which the coordinator may pre-approve written procedures. Routine SSOs are those for which the corrective action procedures are generally consistent.
- (2) The title(s), and contact information of key position(s) who will respond to SSOs, including information for backup responder(s) in the event the primary responder(s) are unavailable (i.e., position(s) who provide notification to the Department, the public, the county health department, and other affected entities such as public water systems; position(s) responsible for organizing crews for response; position(s) responsible for addressing public inquiries)

##### c. SSO and Surface Water Assessment

- (1) Identification of locations within the collection system at which an SSO is likely to occur (e.g., based upon historical SSOs, lift stations where electricity may be lost, etc.)
- (2) A map of the general collection system area, including identification of surface waterbodies and the location(s) of public drinking water source(s). Mapping of all collection system piping, pump stations, etc. is not required; however, if this information is already available, it should be included.
- (3) Identification of surface waterbodies within the collection system area which are classified as Swimming according to ADEM Admin. Code chap. 335-6-11. References available to assist in this requirement include the following: <http://adem.alabama.gov/alEnviroRegLaws/files/Division6Voll.pdf> and <http://adem.alabama.gov/wqmap>.
- (4) Identification of surface waterbodies within the collection system area which are not classified as Swimming as indicated in paragraph c above, but are known locally as areas where swimming occurs or as areas that are heavily recreated

##### d. Public Reporting of SSOs

- (1) Contact information for the public to report an SSO to the Permittee, during both normal and outside of normal business hours (e.g., telephone number, website, email address, etc.)
- (2) Information requested from the person reporting an SSO to assist the Permittee in identifying the SSO (e.g., date, time, location, contact information)
- (3) Procedures for communication of the SSO report to the appropriate positions for follow-up investigation and response, if necessary



- e. Procedures to immediately notify the Department, the county health department, and other affected entities (such as public water systems) upon becoming aware of notifiable SSOs
- f. Public Notification Methods for SSOs
  - (1) A listing of methods that are feasible, as determined by the Permittee, for public notifications (e.g., flyers distributed to nearby residents; signs posted at the location of the SSO, where the SSO enters a water of the state, and/or at a central public location; signs posted at fishing piers, boat launches, parks, swimming waterbodies, etc.; website and/or social media notifications; local print or radio and broadcast media notifications; "opt in" email, text message, or automated phone message notifications)
    - (i) If signage is a feasible method for public notification, procedures for use and removal of signage (e.g., availability and maintenance of signs, appropriate duration of postings)
  - (2) Minimum information to be included in public notifications (e.g., identification that an SSO has occurred, date, duration if known, estimated volume if known, location of the SSO by street address or other appropriate method, initial destination of the SSO)
  - (3) Procedures developed by the Permittee for determining the appropriate public notification method(s) based upon the potential for public exposure to health risks associated with the SSO
- g. Standard Procedures shall be developed by the Permittee and shall include, at a minimum
  - (1) General SSO Response Procedures (e.g., procedures for dispatching staff to assess/correct an SSO; procedures for routine SSO corrective actions such as those for sewer blockages, overflowing manholes, line breakages, pump station power failure, etc.; procedures for disinfection of affected area, if applicable);
  - (2) Procedures for collection and proper disposal of the SSO, if feasible.
  - (3) General procedures for coordinating instream water quality monitoring, including, but not limited to, procedures for mobilizing staff, collecting samples, and typical test methods should the Department or the Permittee determine monitoring is appropriate following an SSO. Identification of a contractor who will collect and analyze the sample(s) may be listed in lieu of the procedures.
  - (4) References to other documents (such as Standard Operating Procedures for SSO Responses) may be acceptable for this section; however, the referenced document shall be identified and shall be reviewed at a frequency of at least that required by the Administrative Procedures Section.
- h. Date of the SSO Response Plan, dates of all modifications and/or reviews, the title and signature of the reviewer(s) for each date and the signature of the responsible official or the appropriate designee.

## 2. SSO Response Plan Implementation

Except as otherwise required by this Permit, the Permittee shall fully implement the SSO Response Plan as soon as practicable, but no later than 180 days after the effective date of this Permit.

## 3. Department Review of the SSO Response Plan

- a. When requested by the Director or his designee, the Permittee shall make the SSO Response Plan available for review by the Department.
- b. Upon review, the Director or his designee may notify the Permittee that the SSO Response Plan is deficient and require modification of the Plan.
- c. Within thirty days of receipt of notification, or an alternate timeframe as approved by the Department, the Permittee shall modify any SSO Response Plan deficiency identified by the Director or his designee and shall certify to the Department that the modification has been made.

## 4. SSO Response Plan Administrative Procedures

- a. The Permittee shall maintain a copy of the SSO Response Plan at the permitted facility or an alternate location approved by the Department in writing and shall make it available for inspection by the Department.
- b. The Permittee shall make a copy of the SSO Response Plan available to the public upon written request within 30 days of such request. The Permittee may redact information which may present security issues, such as location of public water supplies, identification of specific details of vulnerabilities, employee information, etc.



- c. The Permittee shall provide training for any personnel required to implement the SSO Response Plan and shall retain at the facility documentation of such training. This documentation shall be available for inspection by the Department. Training shall be provided for existing personnel prior to the date by which implementation of the SSO Response Plan is required and for new personnel as soon as possible. Should significant revisions be made to the SSO Response Plan, training regarding the revisions shall be conducted as soon as possible.
- d. The Permittee shall complete a review and evaluation of the SSO Response Plan at least once every three years. Documentation of the SSO Response Plan review and evaluation shall be signed and dated by the responsible official or the appropriate designee as part of the SSO Response Plan.

#### **F. POLLUTANT SCANS**

The Permittee shall sample and analyze for the pollutants listed in 40 CFR 122 Appendix J Table 2. The Permittee shall provide data from a minimum of three samples collected within the four and one-half years prior to submitting a permit application. Samples must be representative of the seasonal variation in the discharge from each outfall.

## NPDES PERMIT RATIONALE

NPDES Permit No: **AL0022349** Date: September 14, 2022

Permit Applicant: City of Talladega  
100 North Court Street  
Talladega, AL 35160

Location: **Talladega Brecon WWTP**  
525 Welch Avenue  
Talladega, AL 35160

Draft Permit is: Initial Issuance:  
Reissuance due to expiration: X  
Modification of existing permit:  
Revocation and Reissuance:

Basis for Limitations: Water Quality Model: CBOD<sub>5</sub>, NH<sub>3</sub>N, DO  
Reissuance with no modification: CBOD<sub>5</sub>, NH<sub>3</sub>N, DO, pH, TSS, TRC, E. Coli, CBOD<sub>5</sub> Percent Removal, and TSS Percent Removal  
  
Instream calculation at 7Q10: 100%  
Toxicity based: TRC  
Secondary Treatment Levels: TSS, CBOD<sub>5</sub> Percent Removal, and TSS Percent Removal  
  
Other (described below): E. coli, Copper, pH and Zinc

Design Flow in Million Gallons per Day: 0.5 MGD

Major: No

Description of Discharge:

Feature ID	Description	Receiving Water	WBC	303(d)	TMDL
001	Treated Municipal and Industrial Wastewater	UT to Kelly Creek	Fish and Wildlife (F&W)	No	No

Discussion:

This is a permit reissuance due to expiration. The Permittee asserts that there is one significant industrial discharger (SID) to the treatment plant. The permit regulates the discharge of pollutants from treated domestic and industrial wastewater into an Unnamed Tributary (UT) to Kelly Creek. The UT to Kelly Creek is a Tier 1 stream and is classified as Fish and Wildlife in the Coosa River Basin. The UT to Kelly Creek is not listed on the most recent 303 (d) list and there is no approved Total Maximum Daily Load (TMDL) affecting this discharge.

Limits for Five Day Carbonaceous Biochemical Oxygen Demand (CBOD<sub>5</sub>), Total Ammonia-Nitrogen (NH<sub>3</sub>-N), and Dissolved Oxygen (DO) were developed based on a Waste Load Allocation (WLA) model that was completed by ADEM's Water Quality Branch (WQB) on October 8, 2021. The monthly average limits for CBOD<sub>5</sub> summer (April - October) and winter (November - March) are 4.0 mg/L and 12.0 mg/L, respectively. The monthly average limits for NH<sub>3</sub>-N summer (April - October) and winter (November - March) are 1.5 mg/L and 4.0 mg/L, respectively. The daily minimum DO limit is 6.0 mg/L.

The pH daily minimum and daily maximum limits of 6.0 and 8.5 S.U, respectively, were developed to be supportive of the water-use classification of the receiving stream. The Total Residual Chlorine (TRC) limits of 0.011 mg/L (monthly average) and 0.019 mg/L (daily maximum) are based on EPA's recommended water quality values and on the current Toxicity Rationale, which considers the available dilution in the receiving stream. In accordance with a letter dated August 11, 1998 from EPA Headquarters and a 1991 memorandum from EPA Region 4's Environmental Services Division (ESD), due to testing and method detection limitations, a Total Residual Chlorine measurement below 0.05 mg/L shall be considered below detection for compliance purposes. Monitoring for TRC is only applicable if chlorine is utilized for disinfection purposes.

The imposed *E. coli* limits were determined based on the water-use classification of the receiving stream. Since UT to Kelly Creek is classified as Fish & Wildlife, the limits for May – October are 126 col/100ml (monthly average) and 298 col/100ml (daily maximum), while the limits for November – April are 548 col/100ml (monthly average) and 2507 col/100ml (daily maximum).

This permit requires the Permittee to monitor and report during the summer (April-October) the nutrient-related parameters of Total Kjeldahl Nitrogen (TKN), Nitrate plus Nitrite Nitrogen (NO<sub>2</sub>+NO<sub>3</sub>-N) and Total Phosphorus (TP). Monitoring for these nutrient related parameters is imposed so that sufficient information will be available regarding the nutrient contribution from this point source, should it be necessary at some later time to impose nutrient limits on this discharge.

The Total Suspended Solids (TSS) and TSS % removal limits of 30.0 mg/L monthly average and 85.0%, respectively, are based on the requirements of 40 CFR part 133.102 regarding Secondary Treatment. A minimum percent removal limit of 85.0% is imposed for CBOD<sub>5</sub> also in accordance with 40 CFR 133.102 regarding Secondary Treatment.

Because this facility has SID-permitted industrial sources contributing wastewater, this permit imposes annual monitoring (August) for chronic toxicity with both *Ceriodaphnia* and *Pimephales* at the calculated In-Stream Waste Concentration (IWC) of 100.0 percent. The decrease in monitoring frequency is not consider backsliding because the effluent from this discharge has not demonstrated toxicity and water quality standards are being obtained. The monitoring frequency may be increased if toxicity is demonstrated in the future.

Because this is a minor facility treating both municipal and industrial wastewater, the Department completed a reasonable potential analysis (RPA) of the discharge based on 7Q10 of 0 cfs, a hardness of 50 mg/L, lab data provided, and discharge monitoring reports. The RPA indicates whether pollutants in treated effluent have potential to contribute to excursions of Alabama's in-stream water quality standards. Based on the analytical data submitted by the Permittee, it appears reasonable potential may exist to cause an in-stream water quality criteria exceedance for zinc and copper. As a result, the Department is imposing monthly average and daily maximum discharge limitations for Total Recoverable Zinc of 197 µg/L. The Department is also imposing monitoring for Total Recoverable Copper. The previous permit included monitoring for thallium, however, the RPA did not indicate the potential for in-stream water quality standards for this parameter. Therefore, monitoring for thallium is not being included in this permit reissuance. The removal of thallium monitoring is not considered backsliding because it is consistent with the Department's anti-degradation policy and water quality standards are being attained for this pollutant.

The monitoring frequency for most parameters is three days per week. TSS % Removal and CBOD<sub>5</sub> % Removal are to be calculated once per month. Monitoring for TKN, NO<sub>2</sub>+NO<sub>3</sub>-N, and TP shall be completed once per month during the summer season (April – October). Copper and zinc monitoring shall be performed once per month. Flow is to be monitored continuously, seven days per week.

ADEM Administrative Rule 335-6-10-.12 requires applicants for 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 to a Tier II water body, so the applicant is not required to demonstrate that the discharge is necessary for economic and social development.

Prepared by: Austin Dansby



# Waste Load Allocation Summary

## REQUEST INFORMATION

Request Number: 3823

From:	Shanda Torbert	In Branch/Section	Municipal		
Date Submitted	9/13/2021	Date Required	10/13/2021	FUND Code	605
Receiving Waterbody	UT to Kelly Creek	Date Permit application received by NPDES program	9/2/2021		
Previous Stream		Facility Name	Talladega Brecon WWTP	(Name of Discharger-WQ will use to file)	
		River Basin	Coosa	Outfall Latitude	33.472325 (decimal degrees)
		*County	Talladega	Outfall Longitude	-86.061753 (decimal degrees)
Permit Number	AL0022349	Permit Type	Permit Reissuance		
		Permit	Active		
		Type of Discharger	MUNICIPAL		

Do other discharges exist that may impact the model?  Yes  No

If yes, impacting dischargers names.

Impacting dischargers permit numbers.

Existing Discharge Design Flow	0.5	MGD	Note: The flow rates given should be those requested for modeling.
Proposed Discharge Design Flow	0.5	MGD	

Comments included  Yes  No

Information Verified By: MFR

Year File Was Created:   
 Response ID Number: 1859

Lat/Long Method: GPS

12 Digit HUC Code	031501060510
Use Classification	F&W
Site Visit Completed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Waterbody Impaired?	<input type="checkbox"/> <input checked="" type="checkbox"/>
Antidegradation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Waterbody Tier Level	Tier I
Use Support Category	3

Date of Site Visit	9/28/2021
Date of WLA Response	10/8/2021
Approved TMDL?	<input type="checkbox"/> <input checked="" type="checkbox"/>
Approval Date of TMDL	

## Waste Load Allocation Information

Modeled Reach Length	8.04	Miles	Date of Allocation	10/8/2021
Name of Model Used	SWQM		Allocation Type	2 Seasons
Model Completed by	Matthew Revel		Type of Model Used	Desk-top
Allocation Developed by	Water Quality Branch			

# Waste Load Allocation Summary

Annual Effluent Limits	Conventional Parameters						Other Parameters					
	Qw	0.5	MGD	Qw	0.5	MGD	Qw	MGD	Qw	MGD		
Season	Summer			Season	Winter			Season				
From	May			From	Dec			From				
Through	Nov			Through	Apr			Through				
CBOD5				CBOD5	4	mg/l	CBOD5	12	mg/l	TP		
NH3-N				NH3-N	1.5	mg/l	NH3-N	4	mg/l	TN		
TKN				TKN				TKN				
D.O.				D.O.	6	mg/l	D.O.	6	mg/l	TSS		

"Monitor Only" Parameters for Effluent:		Parameter	Frequency	Parameter	Frequency
		TP	Monthly (Apr-Oct)		
		NO2+NO3-N	Monthly (Apr-Oct)		
		TKN	Monthly (Apr-Oct)		

Water Quality Characteristics Immediately Upstream of Discharge					
Parameter	Summer			Winter	
CBODu	2	mg/l		2	mg/l
NH3-N	0.11	mg/l		0.11	mg/l
Temperature	30	°C		20	°C
pH	7	su		7	su

### Hydrology at Discharge Location

Drainage Area Qualifier	Drainage Area	sq mi
Exact	2.42	sq mi
	Stream 7Q10	0 cfs
	Stream 1Q10	0 cfs
	Stream 7Q2	0 cfs
	Annual Average	3.49 cfs

### Method Used to Calculate

<5.0 sq mi
<5.0 sq mi
<5.0 sq mi
ADEM Estimate w/USGS Gage Data

Comments and/or Notations



## TOXICITY AND DISINFECTION RATIONALE

Facility Name:	<b>Talladega Brecon WWTP</b>	
NPDES Permit Number:	<b>AL0022349</b>	
Receiving Stream:	<b>UT to Kelly Creek</b>	
Facility Design Flow (Q <sub>w</sub> ):	<b>0.500 MGD</b>	
Receiving Stream 7Q <sub>10</sub> :	<b>0.000 cfs</b>	
Receiving Stream 1Q <sub>10</sub> :	<b>0.000 cfs</b>	
Winter Headwater Flow (WHF):	<b>0.00 cfs</b>	
Summer Temperature for CCC:	<b>30 deg. Celsius</b>	
Winter Temperature for CCC:	<b>20 deg. Celsius</b>	
Headwater Background NH <sub>3</sub> -N Level:	<b>0.11 mg/l</b>	
Receiving Stream pH:	<b>7.0 s.u.</b>	
Headwater Background FC Level (summer):	<b>N./A.</b>	<b>(Only applicable for facilities with diffusers.)</b>
(winter)	<b>N./A.</b>	

The Stream Dilution Ratio (SDR) is calculated using the 7Q10 for all stream classifications.

$$\text{Stream Dilution Ratio (SDR)} = \frac{Q_w}{7Q_{10} + Q_w} = 100.00\%$$

### AMMONIA TOXICITY LIMITATIONS

Toxicity-based ammonia limits are calculated in accordance with the *Ammonia Toxicity Protocol* and the *General Guidance for Writing Water Quality Based Toxicity Permits*.

If the Limiting Dilution is less than 1%, the waterbody is considered stream-dominated and the CMC applies.

If the Limiting Dilution is greater than 1%, the waterbody is considered effluent-dominated and the CCC applies.

$$\text{Limiting Dilution} = \frac{Q_w}{7Q_{10} + Q_w} = 100.00\% \quad \text{Effluent-Dominated, CCC Applies}$$

$$\begin{aligned} \text{Criterion Maximum Concentration (CMC):} & \quad \text{CMC} = 0.411 / (1 + 10^{(7.204 - \text{pH})}) + 58.4 / (1 + 10^{(\text{pH} - 7.204)}) \\ \text{Criterion Continuous Concentration (CCC):} & \quad \text{CCC} = [0.0577 / (1 + 10^{(7.688 - \text{pH})}) + 2.487 / (1 + 10^{(\text{pH} - 7.688)})] * \text{Min}[2.85, 1.45 * 10^{(0.028 * (25 - T))}] \end{aligned}$$

	<u>CMC</u>	<u>CCC</u>
Allowable Summer Instream NH <sub>3</sub> -N:	<b>36.09 mg/l</b>	<b>2.18 mg/l</b>
Allowable Winter Instream NH <sub>3</sub> -N:	<b>36.09 mg/l</b>	<b>4.15 mg/l</b>

$$\begin{aligned} \text{Summer NH}_3\text{-N Toxicity Limit} &= \frac{[(\text{Allowable Instream NH}_3\text{-N}) * (7Q_{10} + Q_w)] - [(\text{Headwater NH}_3\text{-N}) * (7Q_{10})]}{Q_w} \\ &= \mathbf{2.2 \text{ mg/l NH}_3\text{-N at 7Q}_{10}} \end{aligned}$$

$$\begin{aligned} \text{Winter NH}_3\text{-N Toxicity Limit} &= \frac{[(\text{Allowable Instream NH}_3\text{-N}) * (\text{WHF} + Q_w)] - [(\text{Headwater NH}_3\text{-N}) * (\text{WHF})]}{Q_w} \\ &= \mathbf{4.2 \text{ mg/l NH}_3\text{-N at Winter Flow}} \end{aligned}$$

The ammonia limits established in the permit will be the lesser of the DO-based ammonia limit (from the wasteload allocation model) or the toxicity limits calculated above.

	<u>DO-based NH<sub>3</sub>-N limit</u>	<u>Toxicity-based NH<sub>3</sub>-N limit</u>
Summer	<b>1.50 mg/l NH<sub>3</sub>-N</b>	<b>2.20 mg/l NH<sub>3</sub>-N</b>
Winter	<b>4.00 mg/l NH<sub>3</sub>-N</b>	<b>4.20 mg/l NH<sub>3</sub>-N</b>

**Summer: The DO based limit of 1.50 mg/l NH<sub>3</sub>-N applies.**

**Winter: The DO based limit of 4.00 mg/l NH<sub>3</sub>-N applies.**

## TOXICITY TESTING REQUIREMENTS (REFERENCE: MUNICIPAL BRANCH TOXICITY PERMITTING STRATEGY)

The following factors trigger toxicity testing requirements:

1. Facility design flow is equal to or greater than 1.0 MGD (major facility).
2. There are significant industrial contributors (SID permits).

Acute toxicity testing is specified for A&I receiving streams, or for stream dilution ratios of 1% or less.

Chronic toxicity testing is specified for all other situations requiring toxicity testing.

### **Chronic toxicity testing is required**

$$\text{Instream Waste Concentration (IWC)} = \frac{Q_w}{7Q_{I0} + Q_w} = 100.00\% \quad \text{Note: This number will be rounded up for toxicity testing purposes.}$$

## DISINFECTION REQUIREMENTS

Bacteria limits are required, and will be the water quality limit for the receiving stream, except where diffusers are used the limit may be adjusted for the dilution provided by the diffuser.

See the attached Disinfection Guidance for applicable stream standards.

**(Non-coastal limits apply)**

Applicable Stream Classification: **Fish & Wildlife**

Disinfection Type: **Chlorination**

Limit calculation method: **Limits based on meeting stream standards at the point of discharge.**

	<u>Stream Standard</u> (colonies/100ml)	<u>Effluent Limit</u> (colonies/100ml)
<b><u>E. Coli (applies to Non-coastal and Shellfish Harvesting Coastal)</u></b>		
Monthly limit as monthly average (November through April):	548	<b>548</b>
Monthly limit as monthly average (May through October):	126	<b>126</b>
Daily Max (November through April):	2507	<b>2507</b>
Daily Max (May through October):	298	<b>298</b>
<b><u>Enterococci (applies to Coastal)</u></b>		
Monthly limit as geometric mean (November through April):	Not applicable	<b>Not applicable</b>
Monthly limit as geometric mean (May through October):	Not applicable	<b>Not applicable</b>
Daily Max (November through April):	Not applicable	<b>Not applicable</b>
Daily Max (May through October):	Not applicable	<b>Not applicable</b>

## MAXIMUM ALLOWABLE CHLORINATION LIMITS

Toxicity-based chlorine limits are calculated in accordance with the General Guidance for Writing Water Quality Based Toxicity Permits.

Chlorine has been shown to be acutely toxic at 0.019 mg/l and chronically toxic at 0.011 mg/l.

Maximum allowable TRC in effluent:	0.011 mg/l (chronic)	(0.011)/(SDR)
Maximum allowable TRC in effluent:	0.019 mg/l (acute)	(0.019)/(SDR)

NOTE: A maximum chlorine limit will be imposed such that the instream concentration will not exceed acutely toxic concentrations in A & I streams and chronically toxic concentrations in all other streams, but may not exceed 1.0 mg/l.

Prepared By:

Austin Dansby

Date:

9/19/2022

$Q_d * C_d + Q_{d2} * C_{d2} + Q_s * C_s = Q_r * C_r$						Enter Hour Daily	Enter Avg Daily	Partition Coefficient (Stream / Lake)
ID	Pollutant	Cardiogen Toxic	Type	Background from upstream source (C <sub>d2</sub> )	Background from upstream source (C <sub>d2</sub> )	Background In-stream (C <sub>d</sub> )	Background In-stream (C <sub>d</sub> )	
				Daily Avg	Monthly Avg	Daily	Monthly Avg	
				ug/l	ug/l	ug/l	ug/l	
1	Antimony		Metals	0	0	0	0	-
2	Arsenic**	YES	Metals	0	0	0	0	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	0	0.210
6	Chromium / Chromium VI**		Metals	0	0	0	0	-
7	Copper**		Metals	0	0	0	0	0.388
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	0.506
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	Acroten		VOC	0	0	0	0	-
19	Acrylonitrile*	YES	VOC	0	0	0	0	-
20	Aldrin*	YES	VOC	0	0	0	0	-
21	Benazene*	YES	VOC	0	0	0	0	-
22	Bromoforn*	YES	VOC	0	0	0	0	-
23	Carbon Tetrachloride*	YES	VOC	0	0	0	0	-
24	Chlordane	YES	VOC	0	0	0	0	-
25	Glorobenzene		VOC	0	0	0	0	-
26	Chlorobromo-Methane*	YES	VOC	0	0	0	0	-
27	Chloroethane		VOC	0	0	0	0	-
28	2-Chloro-Ethylvinyl 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	Dichlorobromo-Methane*	YES	VOC	0	0	0	0	-
34	1, 1-Dichloroethane*		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	Triethylsine (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	YES	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	0	-
66	2, 4, 6-Trichlorophenol*	YES	Acids	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	Benzdine		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-Chloro-Propyl) 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-Chloroethoxyethane		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	4-Dibutyltoluene*	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	Erdrin	YES	Bases	0	0	0	0	-
101	Erdrin 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-CK)Pyrene*	YES	Bases	0	0	0	0	-
114	Isochlorone		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-121	YES	Bases	0	0	0	0	-
121	PCB-122	YES	Bases	0	0	0	0	-
122	PCB-123	YES	Bases	0	0	0	0	-
123	PCB-124	YES	Bases	0	0	0	0	-
124	PCB-124a	YES	Bases	0	0	0	0	-
125	PCB-125	YES	Bases	0	0	0	0	-
126	PCB-126	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	-

0.5	Enter Q <sub>d</sub> = wastewater discharge flow from facility (MGD)
0.7732145	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)
0	Enter TQ10, Q <sub>s</sub> = background stream flow in cfs above point of discharge
0	Enter or estimated, TQ10, Q <sub>s</sub> = background stream flow in cfs above point of discharge (TQ10 estimated at 75% of TQ10)
3.40	Enter Mean Annual Flow, Q <sub>s</sub> = background stream flow in cfs above point of discharge
0	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>d</sub> +Q <sub>d2</sub> +Q <sub>s</sub>	Q <sub>s</sub> = resultant in-stream flow, after discharge
Calculated on other	C <sub>r</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	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)

\*\* List of Partition Coefficients

September 19, 2022





Lab Data					
	Test 1: 1/26/2021 (ug/l)	Test 2: 2/24/2021 (ug/l)	Test 3 3/29/2021 (mg/l)	Average (mg/l)	Maximum (mg/l)
Copper	12.4	0	0	4.133333333	12.4
Zinc	41.1	32.7	25.6	33.13333333	41.1
Hardness (As CaCO3)	137000	120000	106000	121000	137000
ChloroForm	12.3	6.47	8.25	9.006666667	12.3

Cooper Lab Data + DMR Data	
Date	ug/L
1/26/2021	12.4
2/24/2021	0
3/29/2021	0
1/31/2021	0
2/28/2021	0
3/31/2021	0
8/31/2021	0
10/31/2021	0
11/30/2021	0
12/31/2021	0
1/31/2022	0
2/28/2022	0
3/31/2022	0
4/30/2022	0
5/31/2022	0
6/30/2022	0
7/31/2022	0.02
Maximum	12.4
Average	0.731



Thallium DMR Data					
Monitor Pd End Date	Conc 2	Conc 2 SBC	Conc 3	Conc 3 SBC	Conc Unit
11/30/2020	*E	Monthly Average	*E	Maximum Daily	ug/l
12/31/2020	*E	Monthly Average	*E	Maximum Daily	ug/l
1/31/2021	*B	Monthly Average	*B	Maximum Daily	ug/l
2/28/2021	*B	Monthly Average	*B	Maximum Daily	ug/l
3/31/2021	*B	Monthly Average	*B	Maximum Daily	ug/l
4/30/2021	*E	Monthly Average	*E	Maximum Daily	ug/l
5/31/2021	*E	Monthly Average	*E	Maximum Daily	ug/l
6/30/2021	*E	Monthly Average	*E	Maximum Daily	ug/l
7/31/2021	*E	Monthly Average	*E	Maximum Daily	ug/l
8/31/2021	*B	Monthly Average	*B	Maximum Daily	ug/l
9/30/2021	*E	Monthly Average	*E	Maximum Daily	ug/l
10/31/2021	*B	Monthly Average	*B	Maximum Daily	ug/l
11/30/2021	*B	Monthly Average	*B	Maximum Daily	ug/l
12/31/2021	*B	Monthly Average	*B	Maximum Daily	ug/l
1/31/2022	*B	Monthly Average	*B	Maximum Daily	ug/l
2/28/2022	*B	Monthly Average	*B	Maximum Daily	ug/l
3/31/2022	*B	Monthly Average	*B	Maximum Daily	ug/l
4/30/2022	*B	Monthly Average	*B	Maximum Daily	ug/l
5/31/2022	*B	Monthly Average	*B	Maximum Daily	ug/l
6/30/2022	*B	Monthly Average	*B	Maximum Daily	ug/l
7/31/2022	*B	Monthly Average	*B	Maximum Daily	ug/l

\*E - Analysis not conducted/no sample

\*B - Below Detection Limit/No Detection

**ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM)  
NPDES INDIVIDUAL PERMIT APPLICATION  
SUPPLEMENTARY INFORMATION FOR PUBLICLY-OWNED TREATMENT WORKS (POTW), OTHER TREATMENT  
WORKS TREATING DOMESTIC SEWAGE (TWTDS), AND PUBLIC WATER SUPPLY TREATMENT PLANTS**

**Instructions:** This form should be used to submit the required supplementary information for an application for an NPDES individual permit for Publicly Owned Treatment Works (POTW) and other Treatment Works Treating Domestic Sewage (TWTDS). 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 if 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  
Municipal Section  
P O Box 301463  
Montgomery, AL 36130-1463

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MUNICIPAL SECTION

**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: Talladega Brecon WWTP  
 a. Operator Name: City of Talladega  
 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.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 c. Name of Permittee\* if different than Operator: \_\_\_\_\_  
 \*Permittee will be responsible for compliance with the conditions of the permit
2. NPDES Permit Number: AL 0022349 (Not applicable if initial permit application)
3. Facility Physical Location: (Attach a map with location marked; street, route no. or other specific identifier)  
 Street: 525 Welch Avenue  
 City: Talladega County: Talladega State: AL Zip: 35160  
 Facility Location (Front Gate): Latitude: 33.47121 N Longitude: 86.06267 W
4. Facility Mailing Address: City of Talladega, 100 N. Court St  
 City: Talladega County: Talladega State: AL Zip: 35160
5. Responsible Official (as described on last page of this application):  
 Name and Title: Cathy Fuller, Director of Water & Sewer  
 Address: City of Talladega, 100 N. Court Street  
 City: Talladega State: AL Zip: 35160  
 Phone Number: (256) 362-4439 Email Address: cfuller@talladega.com

6. Designated Facility/DMR Contact:

Name and Title: Cathy Fuller  
Phone Number: (256) 362-4439 Email Address: cfuller@talladega.com

7. Designated Emergency Contact:

Name and Title: Jeff Taylor  
Phone Number: (256) 362-6091 Email Address: wasteh20@bellsouth.net

8. Please complete this section if the Applicant's business entity is a Proprietorship or Limited Liability Company (LLC) with a responsible official not listed in A.5.

Name and Title: N/A  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone Number: \_\_\_\_\_ Email Address: \_\_\_\_\_

9. Permit numbers for Applicant's previously issued NPDES Permits and identification of any other State Environmental Permits presently held by the Applicant within the State of Alabama:

<u>Permit Type</u>	<u>Permit Number</u>	<u>Held By</u>
Surface Water Discharge	AL0022349	City of Talladega Water & Environmental Services

10. Identify all Administrative Complaints, Notices of Violation, Directives, or Administrative Orders, Consent Decrees, or Litigation concerning water pollution or other permit violations, if any against the Applicant within the State of Alabama in 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>
None			

**SECTION B – WASTEWATER DISCHARGE INFORMATION**

1. List the following historical monthly flow rates recorded for the past five years for each outfall:

Outfall No.	Highest Flow in Last 12 Months (MGD)	Highest Daily Flow (MGD)	Average Flow (MGD)
DSN0011	2.340	2.340	0.340
_____	_____	_____	_____
_____	_____	_____	_____

2. Attach a process flow schematic of the treatment process, including the size of each unit operation and sample collection locations.

3. Do you share an outfall with another facility?  Yes  No (If no, continue to B.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?

<b>Current:</b>	Flow Metering	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
	Sampling Equipment	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<b>Planned:</b>	Flow Metering	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
	Sampling Equipment	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> 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:

Mechanical activated sludge treatment plant with contact chamber for disinfection; mechanical screening device, sludge storage tank.

5. Are any wastewater collection or treatment modifications or expansions planned during the next three years that could alter wastewater volumes or characteristics (Note: Permit Modification may be required)?  Yes  No

Briefly describe these changes and any potential or anticipated effects on the wastewater quality and quantity: (Attach additional sheets if needed.)

\_\_\_\_\_

**SECTION C – WASTE STORAGE AND DISPOSAL INFORMATION**

Describe the location of all sites used for the storage of solids or liquids that have any potential for accidental discharge to a water of the state, either directly or indirectly via storm sewer, municipal sewer, municipal wastewater treatment plants, or other collection or distribution systems that are located at or operated by the subject existing or proposed NPDES- permitted facility. Indicate the location of any potential release areas and provide a map or detailed narrative description of the areas of concern as an attachment to this application:

Description of Waste	Description of Storage Location
Waste Activated Sludge	Adjacent aerated sludge storage component
_____	_____
_____	_____



Describe the location of any sites used for the ultimate disposal of solid or liquid waste materials or residuals (e.g. sludges) generated by any wastewater treatment system located at the facility.

Description of Waste	Quantity (lbs/day)	Disposal Method*
Waste Activated Sludge	670 lbs/day	Removal of liquid sludge by tank truck

\*Indicate any wastes disposed at an off-site treatment facility and any wastes that are disposed on-site

**SECTION D – INDUSTRIAL INDIRECT DISCHARGE CONTRIBUTORS**

a. List the existing and proposed industrial source wastewater contributions to the municipal wastewater treatment system (Attach other sheets if necessary)

Company Name	Description of Industrial Wastewater	Existing or Proposed	Flow (MGD)	Subject to SID Permit?	
Georgia Pacific	Wood Processing Waste	Existing	0.035	<input checked="" 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

b. Are industrial wastewater contributions regulated via a locally approved sewer use ordinance?  Yes  No  
If yes, please attach a copy of the ordinance.

**SECTION E – 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 E.1 – E.12 below:

- |   | 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"/> |
| 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"/> |



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**SECTION F – 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 F.2 below. If no, go to Section G.

2. Has an Anti-Degradation Analysis been previously conducted and submitted to the Department for the new or increased discharge referenced in F.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 F.2.A – F.2.F below, ADEM Form 311-Alternatives Analysis, and either ADEM Form 312 or ADEM Form 313- Calculation of Total Annualized Project Costs (Public-Sector or Private-Sector Projects, whichever is applicable). ADEM Form 312 or ADEM Form 313, whichever is applicable, must be provided for **each** treatment discharge alternative considered technically viable. ADEM forms can be found on the Department's website at <http://adem.alabama.gov/DeptForms/>.

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

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

N/A

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

N/A

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

N/A

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

N/A

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

N/A

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

N/A

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**SECTION G – EPA Application Forms**

All Applicants must submit certain EPA permit application forms. More than one application form may be required from a POTW or other TWTDS depending on the number and types of discharges or outfalls. The EPA application forms are found on the Department's website at <http://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 new or existing discharges of sanitary wastewater from Publicly-Owned Treatment Works (POTW) and Other Treatment Works Treating Domestic Sewage (TWTDS) must submit Form 2A.
3. Applicants for new or existing land application of sanitary wastewater must submit Form 2A and, if the land application site is not completely bermed to prevent runoff, applicants must also submit Form 2F.
4. Applicants for new and existing discharges of process wastewater from water treatment facilities (i.e. public water supply treatment plants) must submit Form 2C.
5. Applicants that generate sewage sludge, derive a material from sewage sludge, or dispose of sewage sludge must submit Part 2 of Form 2S.

**SECTION H- ENGINEERING REPORT/BMP PLAN REQUIREMENTS**

Any Engineering Report or Best Management Practice (BMP) Plans required to be submitted to ADEM by the applicant must be in accordance with ADEM 335-6-6-.08(i) & (j).

**SECTION I- RECEIVING WATERS**

Outfall No.	Receiving Water(s)	303(d) Segment?		Included in TMDL?*	
DSN0011	Brecon Branch Unnamed Tributary to Kelly Creek	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" 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 J - 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: Cathy Fuller Date Signed: 8/31/2021  
 Name and Title: Cathy Fuller, Director of Water & Sewer

If the Responsible Official signing this application is not identified in Section A.5 or A.8, 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.

<b>PART 2</b>	<b>PERMIT APPLICATION INFORMATION (40 CFR 122.21(q))</b>
---------------	--

Complete this part if you have an effective NPDES permit or have been directed by the NPDES permitting authority to submit a full permit application. In other words, complete this part if your facility has, or is applying for, an NPDES permit. Part 2 is divided into five sections. Section 1 pertains to all applicants. The applicability of Sections 2 to 5 depends on your facility's sewage sludge use or disposal practices. See the instructions to determine which sections you are required to complete.

<b>PART 2, SECTION 1. GENERAL INFORMATION (40 CFR 122.21(q)(1) 7) AND (q)(13))</b>
--

<b>General Information</b>	All Part 2 applicants must complete this section.				
	<b>Facility Information</b>				
	1.1	Facility name Talladega BreconWWTP,			
		Mailing address (street or P.O. box) City of Talladega Water & Sewer 100 North Court Street			
		City or town Talladega	State Alabama	ZIP code 35160	Phone number (256) 362-6091
		Contact name (first and last) Cathy Fuller	Title Director of Operations	Email address cfuller@talladega.com	
		Location address (street, route number, or other specific identifier) 525 Welch Avenue			<input type="checkbox"/> Same as mailing address
		City or town Talladega	State Alabama	ZIP code 36160	
	1.2	Is this facility a Class I sludge management facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	1.3	Facility Design Flow Rate	0.500 million gallons per day (mgd)		
	1.4	Total Population Served	1500		
	1.5	<b>Ownership Status</b>			
		<input type="checkbox"/> Public—federal <input type="checkbox"/> Public—state <input checked="" type="checkbox"/> Other public (specify) <u>Municipal</u> <input type="checkbox"/> Private <input type="checkbox"/> Other (specify) _____			
	<b>Applicant Information</b>				
	1.6	Is applicant different from entity listed under Item 1.1 above? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.8 (Part 2, Section 1).			
1.7	Applicant name				
	Applicant mailing address (street or P.O. box)				
	City or town	State	ZIP code		
	Contact name (first and last)	Title	Phone number	Email address	
1.8	Is the applicant the facility's owner, operator, or both? (Check only one response.) <input type="checkbox"/> Operator <input type="checkbox"/> Owner <input checked="" type="checkbox"/> Both				
1.9	To which entity should the NPDES permitting authority send correspondence? (Check only one response.)				
	<input type="checkbox"/> Facility <input checked="" type="checkbox"/> Applicant <input type="checkbox"/> Facility and applicant (they are one and the same)				

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EPA Identification Number	NPDES Permit Number AL0022349	Facility Name Talladga BreconWWTP	Form Approved 03/05/19 OMB No. 2040-0004																												
1.10	Facility's NPDES permit number <input type="checkbox"/> Check here if you do not have an NPDES permit but are otherwise required to submit Part 2 of Form 2S.		AL0022349																												
1.11	Indicate all other federal, state, and local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices below.																														
<input type="checkbox"/> RCRA (hazardous wastes) <input type="checkbox"/> Nonattainment program (CAA) <input type="checkbox"/> NESHAPs (CAA) N/A																															
<input type="checkbox"/> PSD (air emissions) <input type="checkbox"/> Dredge or fill (CWA Section 404) <input type="checkbox"/> Other (specify) <input type="checkbox"/> Ocean dumping (MPRSA) <input type="checkbox"/> UIC (underground injection of fluids) None																															
<b>Indian Country</b>																															
1.12	Does any generation, treatment, storage, application to land, or disposal of sewage sludge from this facility occur in Indian Country? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.14 (Part 2, Section 1) below.																														
1.13	Provide a description of the generation, treatment, storage, land application, or disposal of sewage sludge that occurs. Waste activated sludge; sludge Storage component, thickened, removed by tank truck, land application.																														
<b>Topographic Map</b>																															
1.14	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																														
<b>Line Drawing</b>																															
1.15	Have you attached a line drawing and/or a narrative description that identifies all sewage sludge practices that will be employed during the term of the permit containing all the required information to this application? (See instructions for specific requirements.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																														
<b>Contractor Information</b>																															
1.16	Do contractors have any operational or maintenance responsibilities related to sewage sludge generation, treatment, use, or disposal at the facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 1.18 (Part 2, Section 1) below.																														
1.17	Provide the following information for each contractor. <input type="checkbox"/> Check here if you have attached additional sheets to the application package.																														
<table border="1"> <thead> <tr> <th></th> <th>Contractor 1</th> <th>Contractor 2</th> <th>Contractor 3</th> </tr> </thead> <tbody> <tr> <td>Contractor company name</td> <td>Recyc Systems Southeast</td> <td></td> <td></td> </tr> <tr> <td>Mailing address (street or P.O. box)</td> <td>2223 B Brookstone Center</td> <td></td> <td></td> </tr> <tr> <td>City, state, and ZIP code</td> <td>Columbus, GA 31904</td> <td></td> <td></td> </tr> <tr> <td>Contact name (first and last)</td> <td>Keith Paul</td> <td></td> <td></td> </tr> <tr> <td>Telephone number</td> <td>(706) 987-8210</td> <td></td> <td></td> </tr> <tr> <td>Email address</td> <td>Keithpaul@recyc.systems.</td> <td></td> <td></td> </tr> </tbody> </table>					Contractor 1	Contractor 2	Contractor 3	Contractor company name	Recyc Systems Southeast			Mailing address (street or P.O. box)	2223 B Brookstone Center			City, state, and ZIP code	Columbus, GA 31904			Contact name (first and last)	Keith Paul			Telephone number	(706) 987-8210			Email address	Keithpaul@recyc.systems.		
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1.17 cont.	<b>Responsibilities of contractor</b>	<b>Contractor 1</b>	<b>Contractor 2</b>	<b>Contractor 3</b>
		Operator of Record; provide sampling, analyses and reporting	Removal of waste sludge from site; transport to disposal facility.	

**Pollutant Concentrations**

Using the table below or a separate attachment, provide sewage sludge monitoring data for the pollutants for which limits in sewage sludge have been established in 40 CFR 503 for this facility's expected use or disposal practices. All data must be based on three or more samples taken at least one month apart and must be no more than 4.5 years old.

Check here if you have attached additional sheets to the application package.

1.18	Pollutant	Average Monthly Concentration (mg/kg dry weight)	Analytical Method	Detection Level
	Arsenic	N/A		
	Cadmium			
	Chromium			
	Copper			
	Lead			
	Mercury			
	Molybdenum			
	Nickel			
	Selenium			
	Zinc			

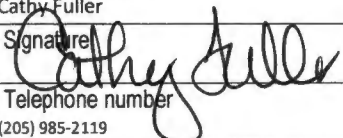
**Checklist and Certification Statement**

1.19 In Column 1 below, mark the sections of Form 2S, Part 2, that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing. Note that not all applicants are required to complete all sections or provide attachments. See Exhibit 2S-2 in the Instructions.

	Column 1	Column 2
<input checked="" type="checkbox"/>	Section 1 (General Information)	<input checked="" type="checkbox"/> w/ attachments
<input checked="" type="checkbox"/>	Section 2 (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge)	<input type="checkbox"/> w/ attachments
<input checked="" type="checkbox"/>	Section 3 (Land Application of Bulk Sewage Sludge)	<input type="checkbox"/> w/ attachments
<input checked="" type="checkbox"/>	Section 4 (Surface Disposal)	<input type="checkbox"/> w/ attachments
<input checked="" type="checkbox"/>	Section 5 (Incineration)	<input type="checkbox"/> w/ attachments

1.20 **Certification Statement**

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

Name (print or type first and last name) Cathy Fuller	Official title Director of Operations
Signature 	Date signed 8/31/2021
Telephone number (205) 985-2119	

Upon the request of the NPDES permitting authority, you must submit any other information the authority deems necessary to assess sewage sludge use or disposal practices at your facility and identify appropriate permitting requirements.

General Information Continued

**PART 2. SECTION 2. GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE (40 CFR 122.21(q)(8) THROUGH (12))**

<b>Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge</b>	2.1	Does your facility generate sewage sludge or derive a material from sewage sludge? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Part 2, Section 3.		
	<b>Amount Generated Onsite</b>			
	2.2	Total dry metric tons per 365-day period generated at your facility:		117 Tons
	<b>Amount Received from Off Site Facility</b>			
	2.3	Does your facility receive sewage sludge from another facility for treatment use or disposal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 2.7 (Part 2, Section 2) below.		
	2.4	Indicate the total number of facilities from which you receive sewage sludge for treatment, use, or disposal:		
	Provide the following information for each of the facilities from which you receive sewage sludge. <input type="checkbox"/> Check here if you have attached additional sheets to the application package.			
	2.5	Name of facility		
		Mailing address (street or P.O. box)		
		City or town	State	ZIP code
	Contact name (first and last)	Title	Phone number      Email address	
	Location address (street, route number, or other specific identifier)		<input type="checkbox"/> Same as mailing address	
	City or town	State	ZIP code	
	County	County code	<input type="checkbox"/> Not available	
2.6	Indicate the amount of sewage sludge received, the applicable pathogen class and reduction alternative, and the applicable vector reduction option provided at the offsite facility.			
	<b>Amount (dry metric tons)</b>	<b>Pathogen Class and Reduction Alternative</b>	<b>Vector Attraction Reduction Option</b>	
		<input type="checkbox"/> Not applicable <input type="checkbox"/> Class A, Alternative 1 <input type="checkbox"/> Class A, Alternative 2 <input type="checkbox"/> Class A, Alternative 3 <input type="checkbox"/> Class A, Alternative 4 <input type="checkbox"/> Class A, Alternative 5 <input type="checkbox"/> Class A, Alternative 6 <input type="checkbox"/> Class B, Alternative 1 <input type="checkbox"/> Class B, Alternative 2 <input type="checkbox"/> Class B, Alternative 3 <input type="checkbox"/> Class B, Alternative 4 <input type="checkbox"/> Domestic septage, pH adjustment	<input type="checkbox"/> Not applicable <input type="checkbox"/> Option 1 <input type="checkbox"/> Option 2 <input type="checkbox"/> Option 3 <input type="checkbox"/> Option 4 <input type="checkbox"/> Option 5 <input type="checkbox"/> Option 6 <input type="checkbox"/> Option 7 <input type="checkbox"/> Option 8 <input type="checkbox"/> Option 9 <input type="checkbox"/> Option 10 <input type="checkbox"/> Option 11	
2.7	Identify the treatment process(es) that are known to occur at the offsite facility, including blending activities and treatment to reduce pathogens or vector attraction properties. (Check all that apply.)			
	<input type="checkbox"/> Preliminary operations (e.g., sludge grinding and dewatering)	<input checked="" type="checkbox"/> Thickening (concentration)		
	<input type="checkbox"/> Stabilization	<input type="checkbox"/> Anaerobic digestion		
	<input type="checkbox"/> Composting	<input type="checkbox"/> Conditioning		
	<input type="checkbox"/> Disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization)	<input type="checkbox"/> Dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons)		
	<input type="checkbox"/> Heat drying	<input type="checkbox"/> Thermal reduction		
	<input type="checkbox"/> Methane or biogas capture and recovery	<input type="checkbox"/> Other (specify) <u>N/A</u>		

Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued

**Treatment Provided at Your Facility**

2.8 For each sewage sludge use or disposal practice, indicate the applicable pathogen class and reduction alternative and the applicable vector attraction reduction option provided at your facility. Attach additional pages, as necessary.

Use or Disposal Practice (check one)	Pathogen Class and Reduction Alternative	Vector Attraction Reduction Option
<input type="checkbox"/> Land application of bulk sewage <input checked="" type="checkbox"/> Land application of biosolids (bulk) <input type="checkbox"/> Land application of biosolids (bags) <input type="checkbox"/> Surface disposal in a landfill <input type="checkbox"/> Other surface disposal <input type="checkbox"/> Incineration	<input checked="" type="checkbox"/> Not applicable <input type="checkbox"/> Class A, Alternative 1 <input type="checkbox"/> Class A, Alternative 2 <input type="checkbox"/> Class A, Alternative 3 <input type="checkbox"/> Class A, Alternative 4 <input type="checkbox"/> Class A, Alternative 5 <input type="checkbox"/> Class A, Alternative 6 <input type="checkbox"/> Class B, Alternative 1 <input type="checkbox"/> Class B, Alternative 2 <input type="checkbox"/> Class B, Alternative 3 <input type="checkbox"/> Class B, Alternative 4 <input type="checkbox"/> Domestic septage, pH adjustment	<input checked="" type="checkbox"/> Not applicable <input type="checkbox"/> Option 1 <input type="checkbox"/> Option 2 <input type="checkbox"/> Option 3 <input type="checkbox"/> Option 4 <input type="checkbox"/> Option 5 <input type="checkbox"/> Option 6 <input type="checkbox"/> Option 7 <input type="checkbox"/> Option 8 <input type="checkbox"/> Option 9 <input type="checkbox"/> Option 10 <input type="checkbox"/> Option 11

2.9 Identify the treatment process(es) used at your facility to reduce pathogens in sewage sludge or reduce the vector attraction properties of sewage sludge? (Check all that apply.)

- |   |  |
|---|--|
| <input type="checkbox"/> Preliminary operations (e.g., sludge grinding and dewatering)                    | <input checked="" type="checkbox"/> Thickening (concentration)                                 |
| <input type="checkbox"/> Stabilization  | <input type="checkbox"/> Anaerobic digestion   |
| <input type="checkbox"/> Composting   | <input type="checkbox"/> Conditioning  |
| <input type="checkbox"/> Disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization) | <input type="checkbox"/> Dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons) |
| <input type="checkbox"/> Heat drying  | <input type="checkbox"/> Thermal reduction   |
| <input type="checkbox"/> Methane or biogas capture and recovery   |  |

2.10 Describe any other sewage sludge treatment or blending activities not identified in Items 2.8 and 2.9 (Part 2, Section 2) above.

Check here if you have attached the description to the application package.  
None

**Preparation of Sewage Sludge Meeting Ceiling and Pollutant Concentrations, Class A Pathogen Requirements, and One of Vector Attraction Reduction Options 1 to 8**

2.11 Does the sewage sludge from your facility meet the ceiling concentrations in Table 1 of 40 CFR 503.13, the pollutant concentrations in Table 3 of 40 CFR 503.13, Class A pathogen reduction requirements at 40 CFR 503.32(a), and one of the vector attraction reduction requirements at 40 CFR 503.33(b)(1)-(8) and is it land applied?  
 Yes  No → SKIP to Item 2.14 (Part 2, Section 2) below.

2.12 Total dry metric tons per 365-day period of sewage sludge subject to this subsection that is applied to the land:

2.13 Is sewage sludge subject to this subsection placed in bags or other containers for sale or give-away for application to the land?  
 Yes  No

Check here once you have completed Items 2.11 to 2.13, then → SKIP to Item 2.32 (Part 2, Section 2) below.



EPA Identification Number		NPDES Permit Number AL0022349		Facility Name Talladga BreconWWTP		Form Approved 03/05/19 OMB No. 2040-0004	
Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	<b>Sale or Give-Away in a Bag or Other Container for Application to the Land</b>						
	2.14	Do you place sewage sludge in a bag or other container for sale or give-away for land application?					
		<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No → SKIP to Item 2.17 (Part 2, Section 2) below.			
	2.15	Total dry metric tons per 365-day period of sewage sludge placed in a bag or other container at your facility for sale or give-away for application to the land:					
	2.16	Attach a copy of all labels or notices that accompany the sewage sludge being sold or given away in a bag or other container for application to the land.					
		<input type="checkbox"/> Check here to indicate that you have attached all labels or notices to this application package.					
		<input type="checkbox"/> Check here once you have completed Items 2.14 to 2.16, then → SKIP to Part 2, Section 2, Item 2.32.					
	<b>Shipment Off Site for Treatment or Blending</b>						
	2.17	Does another facility provide treatment or blending of your facility's sewage sludge? (This question does not pertain to dewatered sludge sent directly to a land application or surface disposal site.)					
		<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No → SKIP to Item 2.32 (Part 2, Section 2) below.			
	2.18	Indicate the total number of facilities that provide treatment or blending of your facility's sewage sludge. Provide the information in Items 2.19 to 2.26 (Part 2, Section 2) below for each facility.					
		<input type="checkbox"/> Check here if you have attached additional sheets to the application package.					
	2.19	Name of receiving facility					
		Mailing address (street or P.O. box)					
	City or town			State		ZIP code	
	Contact name (first and last)		Title	Phone number		Email address	
	Location address (street, route number, or other specific identifier)					<input checked="" type="checkbox"/> Same as mailing address	
	City or town			State		ZIP code	
2.20	Total dry metric tons per 365-day period of sewage sludge provided to receiving facility:						
2.21	Does the receiving facility provide additional treatment to reduce pathogens in sewage sludge from your facility or reduce the vector attraction properties of sewage sludge from your facility?						
	<input type="checkbox"/> Yes		<input type="checkbox"/> No → SKIP to Item 2.24 (Part 2, Section 2) below.				
2.22	Indicate the pathogen class and reduction alternative and the vector attraction reduction option met for the sewage sludge at the receiving facility.						
	<b>Pathogen Class and Reduction Alternative</b>			<b>Vector Attraction Reduction Option</b>			
	<input type="checkbox"/> Not applicable			<input type="checkbox"/> Not applicable			
	<input type="checkbox"/> Class A, Alternative 1			<input type="checkbox"/> Option 1			
	<input type="checkbox"/> Class A, Alternative 2			<input type="checkbox"/> Option 2			
	<input type="checkbox"/> Class A, Alternative 3			<input type="checkbox"/> Option 3			
	<input type="checkbox"/> Class A, Alternative 4			<input type="checkbox"/> Option 4			
	<input type="checkbox"/> Class A, Alternative 5			<input type="checkbox"/> Option 5			
	<input type="checkbox"/> Class A, Alternative 6			<input type="checkbox"/> Option 6			
	<input type="checkbox"/> Class B, Alternative 1			<input type="checkbox"/> Option 7			
	<input type="checkbox"/> Class B, Alternative 2			<input type="checkbox"/> Option 8			
	<input type="checkbox"/> Class B, Alternative 3			<input type="checkbox"/> Option 9			
	<input type="checkbox"/> Class B, Alternative 4			<input type="checkbox"/> Option 10			
	<input type="checkbox"/> Domestic septage, pH adjustment			<input type="checkbox"/> Option 11			



EPA Identification Number	NPDES Permit Number AL0022349	Facility Name Talladga BreconWWTP	Form Approved 03/05/19 OMB No. 2040-0004	
Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	2.23	Which treatment process(es) are used at the receiving facility to reduce pathogens in sewage sludge or reduce the vector attraction properties of sewage sludge from your facility? (Check all that apply.) <input type="checkbox"/> Preliminary operations (e.g., sludge grinding and dewatering) <input type="checkbox"/> Stabilization <input type="checkbox"/> Composting <input type="checkbox"/> Disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization) <input type="checkbox"/> Heat drying <input type="checkbox"/> Methane or biogas capture and recovery <input type="checkbox"/> Thickening (concentration) <input type="checkbox"/> Anaerobic digestion <input type="checkbox"/> Conditioning <input type="checkbox"/> Dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons) <input type="checkbox"/> Thermal reduction <input type="checkbox"/> Other (specify) _____		
	2.24	Attach a copy of any information you provide the receiving facility to comply with the "notice and necessary information" requirement of 40 CFR 503.12(g). <input type="checkbox"/> Check here to indicate that you have attached material.		
	2.25	Does the receiving facility place sewage sludge from your facility in a bag or other container for sale or give-away for application to the land? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.32 (Part 2, Section 2) below.		
	2.26	Attach a copy of all labels or notices that accompany the product being sold or given away. <input type="checkbox"/> Check here to indicate that you have attached material.		
	<input type="checkbox"/> Check here once you have completed Items 2.17 to 2.26 (Part 2, Section 2), then → SKIP to Item 2.32 (Part 2, Section 2) below.			
	<b>Land Application of Bulk Sewage Sludge</b>			
	2.27	Is sewage sludge from your facility applied to the land? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.32 (Part 2, Section 2) below.		
	2.28	Total dry metric tons per 365-day period of sewage sludge applied to all land application sites:		
	2.29	Did you identify all land application sites in Part 2, Section 3 of this application? <input type="checkbox"/> Yes <input type="checkbox"/> No → Submit a copy of the land application plan with your application.		
	2.30	Are any land application sites located in states other than the state where you generate sewage sludge or derive a material from sewage sludge? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.32 (Part 2, Section 2) below.		
	2.31	Describe how you notify the NPDES permitting authority for the states where the land application sites are located. Attach a copy of the notification. <input type="checkbox"/> Check here if you have attached the explanation to the application package. <input type="checkbox"/> Check here if you have attached the notification to the application package.		
	<b>Surface Disposal</b>			
	2.32	Is sewage sludge from your facility placed on a surface disposal site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.39 (Part 2, Section 2) below.		
	2.33	Total dry metric tons of sewage sludge from your facility placed on all surface disposal sites per 365-day period:	117 Tons	
2.34	Do you own or operate all surface disposal sites to which you send sewage sludge for disposal? <input type="checkbox"/> Yes → SKIP to Item 2.39 (Part 2, Section 2) below. <input checked="" type="checkbox"/> No			
2.35	Indicate the total number of surface disposal sites to which you send your sewage sludge. (Provide the information in Items 2.36 to 2.38 of Part 2, Section 2, for each facility.) <input type="checkbox"/> Check here if you have attached additional sheets to the application package.			

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Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	2.36	Site name or number of surface disposal site you do not own or operate Jefferson County Alabama Disposal Site						
		Mailing address (street or P.O. box)						
		City or Town			State		ZIP Code	
		Contact Name (first and last)		Title	Phone Number		Email Address	
	2.37	Site Contact (Check all that apply.) <input type="checkbox"/> Owner <input type="checkbox"/> Operator						
	2.38	Total dry metric tons of sewage sludge from your facility placed on this surface disposal site per 365-day period:					3.4 Tons	
	<b>Incineration</b>							
	2.39	Is sewage sludge from your facility fired in a sewage sludge incinerator? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 2.46 (Part 2, Section 2) below.						
	2.40	Total dry metric tons of sewage sludge from your facility fired in all sewage sludge incinerators per 365-day period:						
	2.41	Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired? <input type="checkbox"/> Yes → SKIP to Item 2.46 (Part 2, Section 2) below. <input type="checkbox"/> No						
	2.42	Indicate the total number of sewage sludge incinerators used that you do not own or operate. (Provide the information in Items 2.43 to 2.45 directly below for each facility.) <input type="checkbox"/> Check here if you have attached additional sheets to the application package.						
	2.43	Incinerator name or number						
		Mailing address (street or P.O. box)						
		City or town			State		ZIP code	
		Contact name (first and last)		Title	Phone number		Email address	
	Location address (street, route number, or other specific identifier)					<input type="checkbox"/> Same as mailing address		
	City or town			State		ZIP code		
2.44	Contact (check all that apply) <input type="checkbox"/> Incinerator owner <input type="checkbox"/> Incinerator operator							
2.45	Total dry metric tons of sewage sludge from your facility fired in this sewage sludge incinerator per 365-day period:							
<b>Disposal in a Municipal Solid Waste Landfill</b>								
2.46	Is sewage sludge from your facility placed on a municipal solid waste landfill? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Part 2, Section 3.							
2.47	Indicate the total number of municipal solid waste landfills used. (Provide the information in Items 2.48 to 2.52 directly below for each facility.) <input type="checkbox"/> Check here if you have attached additional sheets to the application package.							

EPA Identification Number		NPDES Permit Number AL0022349		Facility Name Talladga BreconWWTP		Form Approved 03/05/19 OMB No. 2040-0004		
Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	2.48	Name of landfill						
		Mailing address (street or P.O. box)						
		City or town			State		ZIP code	
		Contact name (first and last)		Title	Phone number		Email address	
		Location address (street, route number, or other specific identifier)					<input type="checkbox"/> Same as mailing address	
		County		County code			<input type="checkbox"/> Not available	
		City or town		State		ZIP code		
	2.49	Total dry metric tons of sewage sludge from your facility placed in this municipal solid waste landfill per 365-day period:						
	2.50	List the numbers of all other federal, state, and local permits that regulate the operation of this municipal solid waste landfill.						
		<b>Permit Number</b>		<b>Type of Permit</b>				
2.51	Attach to the application information to determine whether the sewage sludge meets applicable requirements for disposal of sewage sludge in a municipal solid waste landfill (e.g., results of paint filter liquids test and TCLP test). <input type="checkbox"/> Check here to indicate you have attached the requested information.							
2.52	Does the municipal solid waste landfill comply with applicable criteria set forth in 40 CFR 258? <input type="checkbox"/> Yes <input type="checkbox"/> No							

EPA Identification Number	NPDES Permit Number AL0022349	Facility Name Talladga BreconWWTP	Form Approved 03/05/19 OMB No. 2040-0004	
<b>PART 2, SECTION 3 LAND APPLICATION OF BULK SEWAGE SLUDGE (40 CFR 122.21(q)(9))</b>				
Land Application of Bulk Sewage Sludge	3.1	Does your facility apply sewage sludge to land? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Part 2, Section 4.		
	3.2	Do any of the following conditions apply? <ul style="list-style-type: none"> <li>The sewage sludge meets the ceiling concentrations in Table 1 of 40 CFR 503.12, the pollutant concentrations in Table 3 of 40 CFR 503.13, Class A pathogen reduction requirements at 40 CFR 503.32(a), and one of the vector attraction reduction requirements at 40 CFR 503.33(b)(1)-(8);</li> <li>The sewage sludge is sold or given away in a bag or other container for application to the land; or</li> <li>You provide the sewage sludge to another facility for treatment or blending.</li> </ul> <input type="checkbox"/> Yes → SKIP to Part 2, Section 4. <input checked="" type="checkbox"/> No		
	3.3	Complete Section 3 for every site on which the sewage sludge is applied. <input type="checkbox"/> Check here if you have attached sheets to the application package for one or more land application sites.		
	<b>Identification of Land Application Site</b>			
	3.4	Site name or number Turner Farms		<input checked="" type="checkbox"/> Same as mailing address
		Location address (street, route number, or other specific identifier) 1775 Miller Road		<input checked="" type="checkbox"/> Not available
		County Marshall	County code	<input checked="" type="checkbox"/> Not available
		City or town Boaz	State Alabama	ZIP code 35057
		Latitude/Longitude of Land Application Site (see instructions)		
		Latitude . ' "		Longitude . ' "
		<b>Method of Determination</b>		
		<input type="checkbox"/> USGS map <input checked="" type="checkbox"/> Field survey <input type="checkbox"/> Other (specify) _____		
	3.5	Provide a topographic map (or other appropriate map if a topographic map is unavailable) that shows the site location. <input checked="" type="checkbox"/> Check here to indicate you have attached a topographic map for this site.		
	<b>Owner Information</b>			
	3.6	Are you the owner of this land application site? <input type="checkbox"/> Yes → SKIP to Item 3.8 (Part 2, Section 3) below. <input checked="" type="checkbox"/> No		
3.7	Owner name Ricky Turner			
	Mailing address (street or P.O. box) 1775 Miller Road			
	City or town Boaz	State Alabama	ZIP code 35067	
	Contact name (first and last) Ricky Turner	Title Owner	Phone number (256) 738-0125	
	Email address			
<b>Applier Information</b>				
3.8	Are you the person who applies, or who is responsible for application of, sewage sludge to this land application site? <input type="checkbox"/> Yes → SKIP to Item 3.10 (Part 2, Section 3) below. <input checked="" type="checkbox"/> No			
3.9	Applier's name Recyc Systems Southeast, LLC			
	Mailing address (street or P.O. box) 2223 B Brookstone Center Parkway			
	City or town Columbus	State GA	ZIP code 31904	
	Contact name (first and last) Keith Paul	Title President	Phone number (706) 987-8210	
	Email address Keithpaul@recyc.systems.org			



Land Application of Bulk Sewage Sludge Continued	<b>Site Type</b>			
	3.10	Type of land application:	<input checked="" type="checkbox"/> Agricultural land <input type="checkbox"/> Reclamation site <input type="checkbox"/> Other (describe)	<input type="checkbox"/> Forest <input type="checkbox"/> Public contact site
	<b>Crop or Other Vegetation Grown on Site</b>			
	3.11	What type of crop or other vegetation is grown on this site?	Corn, Soybeans	
	3.12	What is the nitrogen requirement for this crop or vegetation?	N/A	
	<b>Vector Attraction Reduction</b>			
	3.13	Are the vector attraction reduction requirements at 40 CFR 503.33(b)(9) and (b)(10) met when sewage sludge is applied to the land application site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 3.16 (Part 2, Section 3) below.	
	3.14	Indicate which vector attraction reduction option is met. (Check only one response.)	<input type="checkbox"/> Option 9 (injection below land surface) <input type="checkbox"/> Option 10 (incorporation into soil within 6 hours)	
	3.15	Describe any treatment processes used at the land application site to reduce vector attraction properties of sewage sludge.	<input type="checkbox"/> Check here if you have attached your description to the application package.	
	<b>Cumulative Loadings and Remaining Allotments</b>			
	3.16	Is the sewage sludge applied to this site since July 20, 1993, subject to the cumulative pollutant loading rates (CPLRs) in 40 CFR 503.13(b)(2)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Part 2, Section 4.	
	3.17	Have you contacted the NPDES permitting authority in the state where the bulk sewage sludge subject to CPLRs will be applied to ascertain whether bulk sewage sludge subject to CPLRs has been applied to this site on or since July 20, 1993?	<input type="checkbox"/> Yes <input type="checkbox"/> No → Sewage sludge subject to CPLRs may not be applied to this site. SKIP to Part 2, Section 4.	
	3.18	Provide the following information about your NPDES permitting authority:		
		NPDES permitting authority name		
		Contact person		
		Telephone number		
		Email address		
	3.19	Based on your inquiry, has bulk sewage sludge subject to CPLRs been applied to this site since July 20, 1993?	<input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Part 2, Section 4.	
3.20	Provide the following information for every facility other than yours that is sending, or has sent, bulk sewage sludge subject to CPLRs to this site since July 20, 1993. If more than one such facility sends sewage sludge to this site, attach additional pages as necessary.			
	<input type="checkbox"/> Check here to indicate that additional pages are attached.			
	Facility name			
	Mailing address (street or P.O. box)			
	City or town	State	ZIP code	
	Contact name (first and last)	Title	Phone number	
			Email address	

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<b>PART 2, SECTION 4 SURFACE DISPOSAL (40 CFR 122.21(q)(10))</b>								
<b>Surface Disposal</b>	4.1	Do you own or operate a surface disposal site?						
		<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No → SKIP to Part 2, Section 5.				
	4.2	Complete all items in Section 4 for each active sewage sludge unit that you own or operate.						
		<input type="checkbox"/> Check here to indicate that you have attached material to the application package for one or more active sewage sludge units.						
	<b>Information on Active Sewage Sludge Units</b>							
	4.3	Unit name or number						
		Mailing address (street or P.O. box)						
		City or town			State		ZIP code	
		Contact name (first and last)		Title		Phone number		Email address
		Location address (street, route number, or other specific identifier)						<input type="checkbox"/> Same as mailing address
		County			County code		<input type="checkbox"/> Not available	
		City or town			State		ZIP code	
		<b>Latitude/Longitude of Active Sewage Sludge Unit (see instructions)</b>						
		Latitude			Longitude			
	° ' "			° ' "				
	<b>Method of Determination</b>							
	<input type="checkbox"/> USGS map		<input type="checkbox"/> Field survey		<input type="checkbox"/> Other (specify) _____			
4.4	Provide a topographic map (or other appropriate map if a topographic map is unavailable) that shows the site location.							
	<input type="checkbox"/> Check here to indicate that you have completed and attached a topographic map.							
4.5	Total dry metric tons of sewage sludge placed on the active sewage sludge unit per 365-day period:							
4.6	Total dry metric tons of sewage sludge placed on the active sewage sludge unit over the life of the unit:							
4.7	Does the active sewage sludge unit have a liner with a maximum permeability of $1 \times 10^{-7}$ centimeters per second (cm/sec)?							
	<input type="checkbox"/> Yes		<input type="checkbox"/> No → SKIP to Item 4.9 (Part 2, Section 4) below.					
4.8	Describe the liner.							
	<input type="checkbox"/> Check here to indicate that you have attached a description to the application package.							
4.9	Does the active sewage sludge unit have a leachate collection system?							
	<input type="checkbox"/> Yes		<input type="checkbox"/> No → SKIP to Item 4.11 (Part 2, Section 4) below.					
4.10	Describe the leachate collection system and the method used for leachate disposal and provide the numbers of any federal, state, or local permit(s) for leachate disposal.							
	<input type="checkbox"/> Check here to indicate that you have attached the description to the application package.							

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Surface Disposal Continued	4.11	Is the boundary of the active sewage sludge unit less than 150 meters from the property line of the surface disposal site?						
		<input type="checkbox"/> Yes			<input type="checkbox"/> No → SKIP to Item 4.13 (Part 2, Section 4) below.			
	4.12	Provide the actual distance in meters:					_____ meters	
	4.13	Remaining capacity of active sewage sludge unit in dry metric tons:					_____ dry metric tons	
	4.14	Anticipated closure date for active sewage sludge unit, if known (MM/DD/YYYY): _____						
	4.15	Attach a copy of any closure plan that has been developed for this active sewage sludge unit. <input type="checkbox"/> Check here to indicate that you have attached a copy of the closure plan to the application package.						
	<b>Sewage Sludge from Other Facilities</b>							
	4.16	Is sewage sludge sent to this active sewage sludge unit from any facilities other than your facility?						
		<input type="checkbox"/> Yes			<input type="checkbox"/> No → SKIP to Item 4.21 (Part 2, Section 4) below.			
	4.17	Indicate the total number of facilities (other than your facility) that send sewage sludge to this active sewage sludge unit. (Complete Items 4.18 to 4.20 directly below for each such facility.)						
		<input type="checkbox"/> Check here to indicate that you have attached responses for each facility to the application package.						
	4.18	Facility name _____						
		Mailing address (street or P.O. box) _____						
		City or town _____			State _____		ZIP code _____	
Contact name (first and last) _____		Title _____		Phone number _____		Email address _____		
4.19	Indicate the pathogen class and reduction alternative and the vector attraction reduction option met for the sewage sludge before leaving the other facility.							
	<b>Pathogen Class and Reduction Alternative</b>				<b>Vector Attraction Reduction Option</b>			
	<input type="checkbox"/> Not applicable <input type="checkbox"/> Class A, Alternative 1 <input type="checkbox"/> Class A, Alternative 2 <input type="checkbox"/> Class A, Alternative 3 <input type="checkbox"/> Class A, Alternative 4 <input type="checkbox"/> Class A, Alternative 5 <input type="checkbox"/> Class A, Alternative 6 <input type="checkbox"/> Class B, Alternative 1 <input type="checkbox"/> Class B, Alternative 2 <input type="checkbox"/> Class B, Alternative 3 <input type="checkbox"/> Class B, Alternative 4 <input type="checkbox"/> Domestic septage, pH adjustment				<input type="checkbox"/> Not applicable <input type="checkbox"/> Option 1 <input type="checkbox"/> Option 2 <input type="checkbox"/> Option 3 <input type="checkbox"/> Option 4 <input type="checkbox"/> Option 5 <input type="checkbox"/> Option 6 <input type="checkbox"/> Option 7 <input type="checkbox"/> Option 8 <input type="checkbox"/> Option 9 <input type="checkbox"/> Option 10 <input type="checkbox"/> Option 11			
4.20	Which treatment process(es) are used at the other facility to reduce pathogens in sewage sludge or reduce the vector attraction properties of sewage sludge before leaving the other facility? (Check all that apply.)							
	<input type="checkbox"/> Preliminary operations (e.g., sludge grinding and dewatering) <input type="checkbox"/> Stabilization <input type="checkbox"/> Composting <input type="checkbox"/> Disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization) <input type="checkbox"/> Heat drying <input type="checkbox"/> Methane or biogas capture and recovery			<input type="checkbox"/> Thickening (concentration) <input type="checkbox"/> Anaerobic digestion <input type="checkbox"/> Conditioning <input type="checkbox"/> Dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons) <input type="checkbox"/> Thermal reduction <input type="checkbox"/> Other (specify) _____				

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Surface Disposal Continued	<b>Vector Attraction Reduction</b>			
	4.21	Which vector attraction reduction option, if any, is met when sewage sludge is placed on this active sewage sludge unit?		
		<input type="checkbox"/> Option 9 (Injection below and surface)	<input type="checkbox"/> Option 11 (Covering active sewage sludge unit daily)	
		<input type="checkbox"/> Option 10 (Incorporation into soil within 6 hours)	<input type="checkbox"/> None	
	4.22	Describe any treatment processes used at the active sewage sludge unit to reduce vector attraction properties of sewage sludge. <input type="checkbox"/> Check here if you have attached your description to the application package.		
	<b>Groundwater Monitoring</b>			
	4.23	Is groundwater monitoring currently conducted at this active sewage sludge unit, or are groundwater monitoring data otherwise available for this active sewage sludge unit?		
		<input type="checkbox"/> Yes	<input type="checkbox"/> No → SKIP to Item 4.26 (Part 2, Section 4) below.	
	4.24	Provide a copy of available groundwater monitoring data. <input type="checkbox"/> Check here to indicate you have attached the monitoring data.		
	4.25	Describe the well locations, the approximate depth to groundwater, and the groundwater monitoring procedures used to obtain these data. <input type="checkbox"/> Check here if you have attached your description to the application package.		
	4.26	Has a groundwater monitoring program been prepared for this active sewage sludge unit?		
		<input type="checkbox"/> Yes	<input type="checkbox"/> No → SKIP to Item 4.28 (Part 2, Section 4) below.	
	4.27	Submit a copy of the groundwater monitoring program with this permit application. <input type="checkbox"/> Check here to indicate you have attached the monitoring program.		
	4.28	Have you obtained a certification from a qualified groundwater scientist that the aquifer below the active sewage sludge unit has not been contaminated?		
	<input type="checkbox"/> Yes	<input type="checkbox"/> No → SKIP to Item 4.30 (Part 2, Section 4) below.		
4.29	Submit a copy of the certification with this permit application. <input type="checkbox"/> Check here to indicate you have attached the certification to the application package.			
<b>Site-Specific Limits</b>				
4.30	Are you seeking site-specific pollutant limits for the sewage sludge placed on the active sewage sludge unit?			
	<input type="checkbox"/> Yes	<input type="checkbox"/> No → SKIP to Part 2, Section 5.		
4.31	Submit information to support the request for site-specific pollutant limits with this application. <input type="checkbox"/> Check here to indicate you have attached the requested information.			



**PART 2, SECTION 5 INCINERATION (40 CFR 122.21(q)(11))**

<b>Incineration</b>	<b>Incinerator Information</b>		
	5.1	Do you fire sewage sludge in a sewage sludge incinerator? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to END.	
	5.2	Indicate the total number of incinerators used at your facility. (Complete the remainder of Section 5 for each such incinerator.) <input type="checkbox"/> Check here to indicate that you have attached information for one or more incinerators.	
	5.3	Incinerator name or number	
		Location address (street, route number, or other specific identifier)	
		County	County code <input type="checkbox"/> Not available
		City or town	State ZIP code
		<b>Latitude/Longitude of Incinerator</b> (see instructions)	
		<b>Latitude</b>	<b>Longitude</b>
		. ' "	. ' "
		<b>Method of Determination</b>	
		<input type="checkbox"/> USGS map <input type="checkbox"/> Field survey <input type="checkbox"/> Other (specify) _____	
		<b>Amount Fired</b>	
	5.4	Dry metric tons per 365-day period of sewage sludge fired in the sewage sludge incinerator:	
		<b>Beryllium NESHAP</b>	
	5.5	Submit information, test data, and a description of measures taken that demonstrate whether the sewage sludge incinerated is beryllium-containing waste and will continue to remain as such. <input type="checkbox"/> Check here to indicate that you have attached this material to the application package.	
	5.6	Is the sewage sludge fired in this incinerator "beryllium-containing waste" as defined at 40 CFR 61.31? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 5.8 (Part 2, Section 5) below.	
	5.7	Submit with this application a complete report of the latest beryllium emission rate testing and documentation of ongoing incinerator operating parameters indicating that the NESHAP emission rate limit for beryllium has been and will continue to be met. <input type="checkbox"/> Check here to indicate that you have attached this information.	
	<b>Mercury NESHAP</b>		
5.8	Is compliance with the mercury NESHAP being demonstrated via stack testing? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 5.11 (Part 2, Section 5) below.		
5.9	Submit a complete report of stack testing and documentation of ongoing incinerator operating parameters indicating that the incinerator has met and will continue to meet the mercury NESHAP emission rate limit. <input type="checkbox"/> Check here to indicate that you have attached this information.		
5.10	Provide copies of mercury emission rate tests for the two most recent years in which testing was conducted. <input type="checkbox"/> Check here to indicate that you have attached this information.		
5.11	Do you demonstrate compliance with the mercury NESHAP by sewage sludge sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 5.13 (Part 2, Section 5) below.		
5.12	Submit a complete report of sewage sludge sampling and documentation of ongoing incinerator operating parameters indicating that the incinerator has met and will continue to meet the mercury NESHAP emission rate limit. <input type="checkbox"/> Check here to indicate that you have attached this information.		


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Incineration Continued	<b>Dispersion Factor</b>			
	5.13	Dispersion factor in micrograms/cubic meter per gram/second:		
	5.14	Name and type of dispersion model:		
	5.15	Submit a copy of the modeling results and supporting documentation. <input type="checkbox"/> Check here to indicate that you have attached this information.		
	<b>Control Efficiency</b>			
	5.16	Provide the control efficiency, in hundredths, for each of the pollutants listed below.		
		<b>Pollutant</b>	<b>Control Efficiency, in Hundredths</b>	
		Arsenic		
		Cadmium		
		Chromium		
		Lead		
		Nickel		
	5.17	Attach a copy of the results or performance testing and supporting documentation (including testing dates). <input type="checkbox"/> Check here to indicate that you have attached this information.		
	<b>Risk-Specific Concentration for Chromium</b>			
	5.18	Provide the risk-specific concentration (RSC) used for chromium in micrograms per cubic meter:		
	5.19	Was the RSC determined via Table 2 in 40 CFR 503.43? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 5.21 (Part 2, Section 5) below.		
	5.20	Identify the type of incinerator used as the basis. <input type="checkbox"/> Fluidized bed with wet scrubber <input type="checkbox"/> Other types with wet scrubber <input type="checkbox"/> Fluidized bed with wet scrubber and wet electrostatic precipitator <input type="checkbox"/> Other types with wet scrubber and wet electrostatic precipitator		
	5.21	Was the RSC determined via Table 6 in 40 CFR 503.43 (site-specific determination)? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 5.23 (Part 2, Section 5) below.		
	5.22	Provide the decimal fraction of hexavalent chromium concentration to total chromium concentration in stack exit gas:		
	5.23	Attach the results of incinerator stack tests for hexavalent and total chromium concentrations, including the date(s) of any test(s), with this application. <input type="checkbox"/> Check here to indicate that you have attached this information. <input type="checkbox"/> Not applicable		
<b>Incinerator Parameters</b>				
5.24	Do you monitor total hydrocarbons (THC) in the exit gas of the sewage sludge incinerator? <input type="checkbox"/> Yes <input type="checkbox"/> No			
5.25	Do you monitor carbon monoxide (CO) in the exit gas of the sewage sludge incinerator? <input type="checkbox"/> Yes <input type="checkbox"/> No			
5.26	Indicate the type of sewage sludge incinerator.			
5.27	Incinerator stack height in meters:			
5.28	Indicate whether the value submitted in Item 5.27 is (check only one response): <input type="checkbox"/> Actual stack height <input type="checkbox"/> Creditable stack height			

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Incineration Continued	<b>Performance Test Operating Parameters</b>			
	5.29	Maximum performance test combustion temperature:		
	5.30	Performance test sewage sludge feed rate, in dry metric tons/day		
	5.31	Indicate whether value submitted in Item 5.30 is (check only one response):		
	<input type="checkbox"/>		Average use	
	<input type="checkbox"/>		Maximum design	
	5.32	Attach supporting documents describing how the feed rate was calculated.		
	<input type="checkbox"/>		Check here to indicate that you have attached this information.	
	5.33	Submit information documenting the performance test operating parameters for the air pollution control device(s) used for this sewage sludge incinerator.		
	<input type="checkbox"/>		Check here to indicate that you have attached this information.	
	<b>Monitoring Equipment</b>			
	5.34	List the equipment in place to monitor the listed parameters.		
		<b>Parameter</b>	<b>Equipment in Place for Monitoring</b>	
	Total hydrocarbons or carbon monoxide			
	Percent oxygen			
	Percent moisture			
	Combustion temperature			
	Other (describe)			
<b>Air Pollution Control Equipment</b>				
5.35	List all air pollution control equipment used with this sewage sludge incinerator.			
<input type="checkbox"/>		Check here if you have attached the list to the application package for the noted incinerator.		

END of PART 2

Submit completed application package to your NPDES permitting authority.

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Form 2A NPDES		<b>U.S. Environmental Protection Agency</b> <b>Application for NPDES Permit to Discharge Wastewater</b> <b>NEW AND EXISTING PUBLICLY OWNED TREATMENT WORKS</b>
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**SECTION 1. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS (40 CFR 122.21(j)(1) and (9))**

<b>Facility Information</b>	1.1	Facility name Talladega Brecon WWTP
		Mailing address (street or P.O. box) 100 North Court Street
		City or town Talladega
		State Alabama
		ZIP code 35160
		Contact name (first and last) Cathy Fuller
	Title Director of Operations	
	Phone number (256) 362-6091	
	Email address cfuller@talladega.com	
	Location address (street, route number, or other specific identifier) <input type="checkbox"/> Same as mailing address 525 Welch Road	
	City or town Talladega	
	State Alabama	
	ZIP code 35160	
	1.2	Is this application for a facility that has yet to commence discharge? <input type="checkbox"/> Yes → See instructions on data submission requirements for new dischargers. <input checked="" type="checkbox"/> No
<b>Applicant Information</b>	1.3	Is applicant different from entity listed under Item 1.1 above? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.4.
		Applicant name
		Applicant address (street or P.O. box)
		City or town
		State
		ZIP code
	Contact name (first and last)	
	Title	
	Phone number	
	Email address	
	1.4	Is the applicant the facility's owner, operator, or both? (Check only one response.) <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Both
	1.5	To which entity should the NPDES permitting authority send correspondence? (Check only one response.) <input type="checkbox"/> Facility <input checked="" type="checkbox"/> Applicant <input type="checkbox"/> Facility and applicant (they are one and the same)
<b>Existing Environmental Permits</b>	1.6	Indicate below any existing environmental permits. (Check all that apply and print or type the corresponding permit number for each.)
		<b>Existing Environmental Permits</b>
		<input checked="" type="checkbox"/> NPDES (discharges to surface water) AL0022349
		<input type="checkbox"/> PSD (air emissions)
	<input type="checkbox"/> Ocean dumping (MPRSA)	
	<input type="checkbox"/> RCRA (hazardous waste)	
	<input type="checkbox"/> Nonattainment program (CAA)	
	<input type="checkbox"/> Dredge or fill (CWA Section 404)	
	<input type="checkbox"/> UIC (underground injection control)	
	<input type="checkbox"/> NESHAPs (CAA)	
	<input type="checkbox"/> Other (specify)	

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EPA Identification Number		NPDES Permit Number AL0022349		Facility Name Talladega Brecon WWTP		Form Approved 03/05/19 OMB No. 2040-0004	
Collection System and Population Served	1.7	Provide the collection system information requested below for the treatment works.					
		<b>Municipality Served</b>	<b>Population Served</b>	<b>Collection System Type (indicate percentage)</b>		<b>Ownership Status</b>	
		City of Talladega, Brecon Area	1500	<u>100</u> % separate sanitary sewer	<input checked="" type="checkbox"/> Own	<input checked="" type="checkbox"/> Maintain	
				___ % combined storm and sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain	
				<input type="checkbox"/> Unknown	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain	
				___ % separate sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain	
				___ % combined storm and sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain	
				<input type="checkbox"/> Unknown	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain	
				___ % separate sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain	
				___ % combined storm and sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain	
			<input type="checkbox"/> Unknown	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain		
		<b>Total Population Served</b>	1500				
				<b>Separate Sanitary Sewer System</b>	<b>Combined Storm and Sanitary Sewer</b>		
		Total percentage of each type of sewer line (in miles)		100 %			%
Indian Country	1.8	Is the treatment works located in Indian Country? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
	1.9	Does the facility discharge to a receiving water that flows through Indian Country? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Design and Actual Flow Rates	1.10	Provide design and actual flow rates in the designated spaces.				<b>Design Flow Rate</b>	
						0.500 mgd	
		<b>Annual Average Flow Rates (Actual)</b>					
		<b>Two Years Ago</b>		<b>Last Year</b>		<b>This Year</b>	
		0.391 mgd		0.428 mgd		0.340 mgd	
		<b>Maximum Daily Flow Rates (Actual)</b>					
<b>Two Years Ago</b>		<b>Last Year</b>		<b>This Year</b>			
2.211 mgd		2.340 mgd		1.539 mgd			
Discharge Points by Type	1.11	Provide the total number of effluent discharge points to waters of the United States by type.					
		<b>Total Number of Effluent Discharge Points by Type</b>					
		<b>Treated Effluent</b>	<b>Untreated Effluent</b>	<b>Combined Sewer Overflows</b>	<b>Bypasses</b>	<b>Constructed Emergency Overflows</b>	
		1					

<b>Outfalls and Other Discharge or Disposal Methods</b>	<b>Outfalls Other Than to Waters of the United States</b>			
	1.12	Does the POTW discharge wastewater to basins, ponds, or other surface impoundments that do not have outlets for discharge to waters of the United States? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.14.		
	1.13	Provide the location of each surface impoundment and associated discharge information in the table below.		
	<b>Surface Impoundment Location and Discharge Data</b>			
		<b>Location</b>	<b>Average Daily Volume Discharged to Surface Impoundment</b>	<b>Continuous or Intermittent (check one)</b>
			gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
			gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
			gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
	1.14	Is wastewater applied to land? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.16.		
	1.15	Provide the land application site and discharge data requested below.		
	<b>Land Application Site and Discharge Data</b>			
		<b>Location</b>	<b>Size</b>	<b>Average Daily Volume Applied</b>
			acres	gpd
			acres	gpd
		acres	gpd	
1.16	Is effluent transported to another facility for treatment prior to discharge? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.21.			
1.17	Describe the means by which the effluent is transported (e.g., tank truck, pipe).			
1.18	Is the effluent transported by a party other than the applicant? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 1.20.			
1.19	Provide information on the transporter below.			
<b>Transporter Data</b>				
	Entity name	Mailing address (street or P.O. box)		
	City or town	State	ZIP code	
	Contact name (first and last)	Title		
	Phone number	Email address		



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**SECTION 2. ADDITIONAL INFORMATION (40 CFR 122.21(j)(1) and (2))**

<b>Design Flow</b>	<b>Outfalls to Waters of the United States</b>					
	2.1	Does the treatment works have a design flow greater than or equal to 0.1 mgd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Section 3.				
<b>Inflow and Infiltration</b>	2.2	Provide the treatment works' current average daily volume of inflow and infiltration.			<b>Average Daily Volume of Inflow and Infiltration</b> 200,000 gpd	
	Indicate the steps the facility is taking to minimize inflow and infiltration. Sewer lines suspected of inflow and Infiltration have been inspected, cleaned and videoed to determine points of inflow. Smoke testing has been performed on specific line segments; These activities have been used to make point repairs and develop a schedule for future repairs.					
<b>Topographic Map</b>	2.3	Have you attached a topographic map to this application that contains all the required information? (See instructions for specific requirements.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
<b>Flow Diagram</b>	2.4	Have you attached a process flow diagram or schematic to this application that contains all the required information? (See instructions for specific requirements.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
<b>Scheduled Improvements and Schedules of Implementation</b>	2.5	Are improvements to the facility scheduled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 3.				
	Briefly list and describe the scheduled improvements.					
	1.					
	2.					
	3.					
	4.					
2.6	Provide scheduled or actual dates of completion for improvements.					
<b>Scheduled or Actual Dates of Completion for Improvements</b>						
	<b>Scheduled Improvement (from above)</b>	<b>Affected Outfalls (list outfall number)</b>	<b>Begin Construction (MM/DD/YYYY)</b>	<b>End Construction (MM/DD/YYYY)</b>	<b>Begin Discharge (MM/DD/YYYY)</b>	<b>Attainment of Operational Level (MM/DD/YYYY)</b>
	1.					
	2.					
	3.					
	4.					
2.7	Have appropriate permits/clearances concerning other federal/state requirements been obtained? Briefly explain your response. <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None required or applicable					
Explanation:						

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**SECTION 3. INFORMATION ON EFFLUENT DISCHARGES (40 CFR 122.21(j)(3) to (5))**

<b>Description of Outfalls</b>	3.1	Provide the following information for each outfall. (Attach additional sheets if you have more than three outfalls.)		
		<b>Outfall Number</b> 0011	<b>Outfall Number</b> _____	<b>Outfall Number</b> _____
	State	Alabama		
	County	Talladega		
	City or town	Talladega		
	Distance from shore	ft.	ft.	ft.
	Depth below surface	ft.	ft.	ft.
	Average daily flow rate	mgd	mgd	mgd
	Latitude	33° 28' 21" N	° ' "	° ' "
	Longitude	86° 03' 42" W	° ' "	° ' "
<b>Seasonal or Periodic Discharge Data</b>	3.2	Do any of the outfalls described under Item 3.1 have seasonal or periodic discharges? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 3.4.		
	3.3	If so, provide the following information for each applicable outfall.		
		<b>Outfall Number</b> _____	<b>Outfall Number</b> _____	<b>Outfall Number</b> _____
	Number of times per year discharge occurs			
	Average duration of each discharge (specify units)			
	Average flow of each discharge	mgd	mgd	mgd
Months in which discharge occurs				
<b>Diffuser Type</b>	3.4	Are any of the outfalls listed under Item 3.1 equipped with a diffuser? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 3.6.		
	3.5	Briefly describe the diffuser type at each applicable outfall.		
		<b>Outfall Number</b> _____	<b>Outfall Number</b> _____	<b>Outfall Number</b> _____
<b>Waters of the U.S.</b>	3.6	Does the treatment works discharge or plan to discharge wastewater to waters of the United States from one or more discharge points? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Section 6.		

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Receiving Water Description	3.7	Provide the receiving water and related information (if known) for each outfall.					
			<b>Outfall Number</b> 0011	<b>Outfall Number</b> _____	<b>Outfall Number</b> _____		
		Receiving water name	Brecon Branch UT Kelly Creek				
		Name of watershed, river, or stream system					
		U.S. Soil Conservation Service 14-digit watershed code					
		Name of state management/river basin					
		U.S. Geological Survey 8-digit hydrologic cataloging unit code					
		Critical low flow (acute)		cfs	cfs	cfs	
		Critical low flow (chronic)		cfs	cfs	cfs	
		Total hardness at critical low flow		mg/L of CaCO <sub>3</sub>	mg/L of CaCO <sub>3</sub>	mg/L of CaCO <sub>3</sub>	
Treatment Description	3.8	Provide the following information describing the treatment provided for discharges from each outfall.					
			<b>Outfall Number</b> 0011	<b>Outfall Number</b> _____	<b>Outfall Number</b> _____		
		<b>Highest Level of Treatment</b> (check all that apply per outfall)	<input type="checkbox"/> Primary <input type="checkbox"/> Equivalent to secondary <input checked="" type="checkbox"/> Secondary <input type="checkbox"/> Advanced <input type="checkbox"/> Other (specify) _____	<input type="checkbox"/> Primary <input type="checkbox"/> Equivalent to secondary <input type="checkbox"/> Secondary <input type="checkbox"/> Advanced <input type="checkbox"/> Other (specify) _____	<input type="checkbox"/> Primary <input type="checkbox"/> Equivalent to secondary <input type="checkbox"/> Secondary <input type="checkbox"/> Advanced <input type="checkbox"/> Other (specify) _____		
		<b>Design Removal Rates by Outfall</b>					
		BOD <sub>5</sub> or CBOD <sub>5</sub>		85 %	%	%	
		TSS		85 %	%	%	
		Phosphorus		<input checked="" type="checkbox"/> Not applicable %	<input type="checkbox"/> Not applicable %	<input type="checkbox"/> Not applicable %	
		Nitrogen		<input checked="" type="checkbox"/> Not applicable %	<input type="checkbox"/> Not applicable %	<input type="checkbox"/> Not applicable %	
	Other (specify) _____		<input checked="" type="checkbox"/> Not applicable %	<input type="checkbox"/> Not applicable %	<input type="checkbox"/> Not applicable %		

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Treatment Description Continued	3.9	Describe the type of disinfection used for the effluent from each outfall in the table below. If disinfection varies by season, describe below.						
			Outfall Number <u>0011</u>		Outfall Number _____		Outfall Number _____	
		Disinfection type	Chlorine					
		Seasons used	Continuous					
		Dechlorination used?	<input type="checkbox"/> Not applicable <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No
Effluent Testing Data	3.10	Have you completed monitoring for all Table A parameters and attached the results to the application package? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
	3.11	Have you conducted any WET tests during the 4.5 years prior to the date of the application on any of the facility's discharges or on any receiving water near the discharge points? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 3.13.						
	3.12	Indicate the number of acute and chronic WET tests conducted since the last permit reissuance of the facility's discharges by outfall number or of the receiving water near the discharge points.						
			Outfall Number <u>0011</u>		Outfall Number _____		Outfall Number _____	
			Acute	Chronic	Acute	Chronic	Acute	Chronic
		Number of tests of discharge water		7				
		Number of tests of receiving water		0				
	3.13	Does the treatment works have a design flow greater than or equal to 0.1 mgd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 3.16.						
	3.14	Does the POTW use chlorine for disinfection, use chlorine elsewhere in the treatment process, or otherwise have reasonable potential to discharge chlorine in its effluent? <input checked="" type="checkbox"/> Yes → Complete Table B, including chlorine. <input type="checkbox"/> No → Complete Table B, omitting chlorine.						
	3.15	Have you completed monitoring for all applicable Table B pollutants and attached the results to this application package? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
3.16	Does one or more of the following conditions apply? <ul style="list-style-type: none"> <li>The facility has a design flow greater than or equal to 1 mgd.</li> <li>The POTW has an approved pretreatment program or is required to develop such a program.</li> <li>The NPDES permitting authority has informed the POTW that it must sample for the parameters in Table C, must sample other additional parameters (Table D), or submit the results of WET tests for acute or chronic toxicity for each of its discharge outfalls (Table E).</li> </ul> <input checked="" type="checkbox"/> Yes → Complete Tables C, D, and E as applicable. <input type="checkbox"/> No → SKIP to Section 4.							
3.17	Have you completed monitoring for all applicable Table C pollutants and attached the results to this application package? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
3.18	Have you completed monitoring for all applicable Table D pollutants required by your NPDES permitting authority and attached the results to this application package? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No additional sampling required by NPDES permitting authority.							

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<b>Effluent Testing Data Continued</b>	3.19	Has the POTW conducted either (1) minimum of four quarterly WET tests for one year preceding this permit application or (2) at least four annual WET tests in the past 4.5 years? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → Complete tests and Table E and SKIP to Item 3.26.				
	3.20	Have you previously submitted the results of the above tests to your NPDES permitting authority? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → Provide results in Table E and SKIP to Item 3.26.				
	3.21	Indicate the dates the data were submitted to your NPDES permitting authority and provide a summary of the results.				
		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:45%;">Date(s) Submitted (MM/DD/YYYY)</th> <th>Summary of Results</th> </tr> <tr> <td></td> <td style="text-align: center;">See Attachment</td> </tr> </table>	Date(s) Submitted (MM/DD/YYYY)	Summary of Results		See Attachment
	Date(s) Submitted (MM/DD/YYYY)	Summary of Results				
		See Attachment				
	3.22	Regardless of how you provided your WET testing data to the NPDES permitting authority, did any of the tests result in toxicity? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 3.26.				
	3.23	Describe the cause(s) of the toxicity:				
3.24	Has the treatment works conducted a toxicity reduction evaluation? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 3.26.					
3.25	Provide details of any toxicity reduction evaluations conducted.					
3.26	Have you completed Table E for all applicable outfalls and attached the results to the application package? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable because previously submitted information to the NPDES permitting authority.					

**SECTION 4. INDUSTRIAL DISCHARGES AND HAZARDOUS WASTES (40 CFR 122.21(j)(6) and (7))**

<b>Industrial Discharges and Hazardous Wastes</b>	4.1	Does the POTW receive discharges from SIUs or NSCIUs? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 4.7.				
	4.2	Indicate the number of SIUs and NSCIUs that discharge to the POTW.				
		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">Number of SIUs</th> <th>Number of NSCIUs</th> </tr> <tr> <td style="text-align: center;">1</td> <td></td> </tr> </table>	Number of SIUs	Number of NSCIUs	1	
	Number of SIUs	Number of NSCIUs				
	1					
	4.3	Does the POTW have an approved pretreatment program? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
4.4	Have you submitted either of the following to the NPDES permitting authority that contains information substantially identical to that required in Table F: (1) a pretreatment program annual report submitted within one year of the application or (2) a pretreatment program? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 4.6.					
4.5	Identify the title and date of the annual report or pretreatment program referenced in Item 4.4. SKIP to Item 4.7. Sewer Use Regulations of The Water and sewer Board of The City of Talladega, Alabama (attached)					
4.6	Have you completed and attached Table F to this application package? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					

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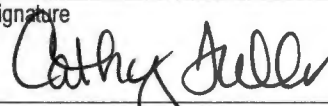
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<b>Industrial Discharges and Hazardous Wastes Continued</b>	4.7	Does the POTW receive, or has it been notified that it will receive, by truck, rail, or dedicated pipe, any wastes that are regulated as RCRA hazardous wastes pursuant to 40 CFR 261? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 4.9.		
	4.8	If yes, provide the following information:		
		<b>Hazardous Waste Number</b>	<b>Waste Transport Method (check all that apply)</b>	<b>Annual Amount of Waste Received</b>
			<input type="checkbox"/> Truck <input type="checkbox"/> Rail <input type="checkbox"/> Dedicated pipe <input type="checkbox"/> Other (specify) _____	
			<input type="checkbox"/> Truck <input type="checkbox"/> Rail <input type="checkbox"/> Dedicated pipe <input type="checkbox"/> Other (specify) _____	
			<input type="checkbox"/> Truck <input type="checkbox"/> Rail <input type="checkbox"/> Dedicated pipe <input type="checkbox"/> Other (specify) _____	
	4.9	Does the POTW receive, or has it been notified that it will receive, wastewaters that originate from remedial activities, including those undertaken pursuant to CERCLA and Sections 3004(7) or 3008(h) of RCRA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 5.		
	4.10	Does the POTW receive (or expect to receive) less than 15 kilograms per month of non-acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e)? <input type="checkbox"/> Yes → SKIP to Section 5. <input type="checkbox"/> No		
	4.11	Have you reported the following information in an attachment to this application: identification and description of the site(s) or facility(ies) at which the wastewater originates; the identities of the wastewater's hazardous constituents; and the extent of treatment, if any, the wastewater receives or will receive before entering the POTW? <input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>SECTION 5. COMBINED SEWER OVERFLOWS (40 CFR 122.21(j)(8))</b>				
<b>CSO Map and Diagram</b>	5.1	Does the treatment works have a combined sewer system? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 6.		
	5.2	Have you attached a CSO system map to this application? (See instructions for map requirements.) <input type="checkbox"/> Yes <input type="checkbox"/> No		
	5.3	Have you attached a CSO system diagram to this application? (See instructions for diagram requirements.) <input type="checkbox"/> Yes <input type="checkbox"/> No		

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CSO Outfall Description	5.4	For each CSO outfall, provide the following information. (Attach additional sheets as necessary.)					
		CSO Outfall Number ____		CSO Outfall Number ____		CSO Outfall Number ____	
	City or town						
	State and ZIP code						
	County						
	Latitude	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
	Longitude	° ' "	° ' "	° ' "	° ' "	° ' "	° ' "
	Distance from shore		ft.		ft.		ft.
Depth below surface		ft.		ft.		ft.	
CSO Monitoring	5.5	Did the POTW monitor any of the following items in the past year for its CSO outfalls?					
		CSO Outfall Number ____		CSO Outfall Number ____		CSO Outfall Number ____	
	Rainfall	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	CSO flow volume	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	CSO pollutant concentrations	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Receiving water quality	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	CSO frequency	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Number of storm events	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		
CSO Events in Past Year	5.6	Provide the following information for each of your CSO outfalls.					
		CSO Outfall Number ____		CSO Outfall Number ____		CSO Outfall Number ____	
	Number of CSO events in the past year	events		events		events	
	Average duration per event	hours <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated		hours <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated		hours <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	
	Average volume per event	million gallons <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated		million gallons <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated		million gallons <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	
Minimum rainfall causing a CSO event in last year	inches of rainfall <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated		inches of rainfall <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated		inches of rainfall <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated		

<b>CSO Receiving Waters</b>	<b>5.7</b>	Provide the information in the table below for each of your CSO outfalls.		
		CSO Outfall Number ____	CSO Outfall Number ____	CSO Outfall Number ____
	Receiving water name			
	Name of watershed/ stream system			
	U.S. Soil Conservation Service 14-digit watershed code (if known)	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown
	Name of state management/river basin			
	U.S. Geological Survey 8-Digit Hydrologic Unit Code (if known)	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown
	Description of known water quality impacts on receiving stream by CSO (see instructions for examples)			

**SECTION 6. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))**

<b>Checklist and Certification Statement</b>	<b>6.1</b>	In Column 1 below, mark the sections of Form 2A 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.		
		<b>Column 1</b>	<b>Column 2</b>	
	<input checked="" type="checkbox"/>	Section 1: Basic Application Information for All Applicants	<input type="checkbox"/> w/ variance request(s)	<input type="checkbox"/> w/ additional attachments
	<input checked="" type="checkbox"/>	Section 2: Additional Information	<input checked="" type="checkbox"/> w/ topographic map <input type="checkbox"/> w/ additional attachments	<input checked="" type="checkbox"/> w/ process flow diagram
	<input checked="" type="checkbox"/>	Section 3: Information on Effluent Discharges	<input checked="" type="checkbox"/> w/ Table A <input checked="" type="checkbox"/> w/ Table B <input checked="" type="checkbox"/> w/ Table C	<input checked="" type="checkbox"/> w/ Table D <input type="checkbox"/> w/ Table E <input checked="" type="checkbox"/> w/ additional attachments
	<input checked="" type="checkbox"/>	Section 4: Industrial Discharges and Hazardous Wastes	<input type="checkbox"/> w/ SIU and NSCIU attachments <input checked="" type="checkbox"/> w/ additional attachments	<input checked="" type="checkbox"/> w/ Table F
	<input checked="" type="checkbox"/>	Section 5: Combined Sewer Overflows	<input type="checkbox"/> w/ CSO map <input type="checkbox"/> w/ CSO system diagram	<input type="checkbox"/> w/ additional attachments
	<input checked="" type="checkbox"/>	Section 6: Checklist and Certification Statement	<input type="checkbox"/> w/ attachments	
	<b>6.2</b>	<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) Cathy Fuller	Official title Director of Operations		
	Signature 	Date signed 8/31/2021		

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**TABLE A. EFFLUENT PARAMETERS FOR ALL POTWS**

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Biochemical oxygen demand <input type="checkbox"/> BOD <sub>5</sub> or <input checked="" type="checkbox"/> CBOD <sub>5</sub> (report one)	13.7	mg/L	2.97	mg/L	156	SM 5210 B	0.25 mg/L <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Fecal coliform	1500	CFU/100ml	38	CFU/100ml	156	EPA 1603 mTEC	2 CFU/100 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Design flow rate	1.539	MGD	0.340	MGD	365		
pH (minimum)	6.40	SU					
pH (maximum)	7.69	SU					
Temperature (winter)	18.9	Degrees Celsius	13.2	Degrees Celsius	12		
Temperature (summer)	23.8	Degrees Celsius	18.8	Degrees Celsius	12		
Total suspended solids (TSS)	39.3	mg/L	7.58	mg/L	156	SM 2540 D	0.5 mg/L <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL

<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).



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**TABLE B. EFFLUENT PARAMETERS FOR ALL POTWS WITH A FLOW EQUAL TO OR GREATER THAN 0.1 MGD**

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Ammonia (as N)	5.97	mg/L	0.34	mg/L	156	SM 4500-NH3 D	0.01 mg/L <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chlorine (total residual, TRC) <sup>2</sup>	0	mg/L	0	mg/L	156	SM 4500-Cl G	0.02 mg/L <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Dissolved oxygen	9.01	mg/L	8.02	mg/L	156	Hach 10360	0.1 mg/L <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Nitrate/nitrite	25.3	mg/L	12.1	mg/L	7	SM 4500-NO3 D	1.0 mg/L <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Kjeldahl nitrogen	0	mg/L	0	mg/L	7	SM 4500-NORG C	0.1 mg/L <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Oil and grease	1.61	mg/L	1.33	mg/L		EPA 1664A	1.4 mg/L <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Phosphorus	2.10	mg/L	1.01	mg/L	7	SM 4500-P E	0.05 mg/L <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Total dissolved solids	311	mg/L	245	mg/L		SM 2540 C	20.0 mg/L <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL

<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).

<sup>2</sup> Facilities that do not use chlorine for disinfection, do not use chlorine elsewhere in the treatment process, and have no reasonable potential to discharge chlorine in their effluent are not required to report data for chlorine.

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**TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS**

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
<b>Metals, Cyanide, and Total Phenols</b>							
Hardness (as CaCO <sub>3</sub> )	137	mg/L	121	mg/L	3	EPA 200.7	0.1 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Antimony, total recoverable	0	mg/L	0	mg/L	3	EPA 200.7	0.01 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Arsenic, total recoverable	0	mg/L	0	mg/L	3	EPA 200.7	0.01 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Beryllium, total recoverable	0	mg/L	0	mg/L	3	EPA 200.7	0.001 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Cadmium, total recoverable	0	mg/L	0	mg/L	3	EPA 200.7	0.002 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chromium, total recoverable	0	mg/L	0	mg/L	3	EPA 200.7	0.005 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Copper, total recoverable	0.0124	mg/L	0.0041	mg/L	3	EPA 200.7	0.005 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Lead, total recoverable	0	mg/L	0	mg/L	3	EPA 200.7	0.006 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Mercury, total recoverable	0	mg/L	0	mg/L	3	EPA 245.1	0.0002 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Nickel, total recoverable	0	mg/L	0	mg/L	3	EPA 200.7	0.005 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Selenium, total recoverable	0	mg/L	0	mg/L	3	EPA 200.7	0.01 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Silver, total recoverable	0	mg/L	0	mg/L	3	EPA 200.7	0.005 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Thallium, total recoverable	0	mg/L	0	mg/L	3	EPA 200.7	0.02 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Zinc, total recoverable	0.0411	mg/L	0.0331	mg/L	3	EPA 200.7	0.02 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Cyanide	0	mg/L	0	mg/L	3	SM 4500CNE-2011	0.005 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Total phenolic compounds	0	mg/L	0	mg/L	3	EPA 420.1	0.05 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
<b>Volatile Organic Compounds</b>							
Acrolein	0	µg/L	0	µg/L	3	EPA 624.1	20.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Acrylonitrile	0	µg/L	0	µg/L	3	EPA 624.1	20.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzene	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bromoform	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL

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**TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS**

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Carbon tetrachloride	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chlorobenzene	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chlorodibromomethane	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chloroethane	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2-chloroethylvinyl ether	0	µg/L	0	µg/L	3	EPA 624.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chloroform	12.3	µg/L	9.01	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Dichlorobromomethane	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1-dichloroethane	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,2-dichloroethane	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
trans-1,2-dichloroethylene	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1-dichloroethylene	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,2-dichloropropane	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,3-dichloropropylene	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Ethylbenzene	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Methyl bromide	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Methyl chloride	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Methylene chloride	0	µg/L	0	µg/L	3	EPA 624.1	10.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1,2,2-tetrachloroethane	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Tetrachloroethylene	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Toluene	0	µg/L	0	µg/L	3	EPA 624.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1,1-trichloroethane	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1,2-trichloroethane	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL



EPA Identification Number	NPDES Permit Number AL0022349	Facility Name Talladega Brecon WWTP	Outfall Number 0011
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OMB No. 2040-0004

**TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS**

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Trichloroethylene	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Vinyl chloride	0	µg/L	0	µg/L	3	EPA 624.1	1.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
<b>Acid-Extractable Compounds</b>							
p-chloro-m-cresol	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2-chlorophenol	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4-dichlorophenol	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4-dimethylphenol	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
4,6-dinitro-o-cresol	0	µg/L	0	µg/L	3	EPA 625.1	10.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4-dinitrophenol	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2-nitrophenol	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
4-nitrophenol	0	µg/L	0	µg/L	3	EPA 625.1	10.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Pentachlorophenol	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Phenol	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4,6-trichlorophenol	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
<b>Base-Neutral Compounds</b>							
Acenaphthene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Acenaphthylene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Anthracene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzidine	0	µg/L	0	µg/L	3	EPA 625.1	20.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzo(a)anthracene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzo(a)pyrene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
3,4-benzofluoranthene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL



EPA Identification Number	NPDES Permit Number AL0022349	Facility Name Talladega Brecon WWTP	Outfall Number 0011
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**TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS**

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Benzo(ghi)perylene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzo(k)fluoranthene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bis (2-chloroethoxy) methane	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bis (2-chloroethyl) ether	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bis (2-chloroisopropyl) ether	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bis (2-ethylhexyl) phthalate	0	µg/L	0	µg/L	3	EPA 625.1	10.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
4-bromophenyl phenyl ether	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Butyl benzyl phthalate	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2-chloronaphthalene	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
4-chlorophenyl phenyl ether	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chrysene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
di-n-butyl phthalate	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
di-n-octyl phthalate	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Dibenzo(a,h)anthracene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,2-dichlorobenzene	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,3-dichlorobenzene	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,4-dichlorobenzene	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
3,3-dichlorobenzidine	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Diethyl phthalate	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Dmethyl phthalate	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4-dinitrotoluene	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,6-dinitrotoluene	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL

EPA Identification Number	NPDES Permit Number AL0022349	Facility Name Talladega Brecon WWTP	Outfall Number 0011
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**TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS**

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
1,2-diphenylhydrazine	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Fluoranthene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Fluorene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Hexachlorobenzene	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Hexachlorobutadiene	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Hexachlorocyclo-pentadiene	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Hexachloroethane	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Indeno(1,2,3-cd)pyrene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Isophorone	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Naphthalene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Nitrobenzene	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
N-nitrosodi-n-propylamine	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
N-nitrosodimethylamine	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
N-nitrosodiphenylamine	0	µg/L	0	µg/L	3	EPA 625.1	10.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Phenanthrene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Pyrene	0	µg/L	0	µg/L	3	EPA 625.1	2.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,2,4-trichlorobenzene	0	µg/L	0	µg/L	3	EPA 625.1	5.00 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL

<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).



EPA Identification Number	NPDES Permit Number AL0022349	Facility Name Talladega Brecon WWTP	Outfall Number
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**TABLE E. EFFLUENT MONITORING FOR WHOLE EFFLUENT TOXICITY**

The table provides response space for one whole effluent toxicity sample. Copy the table to report additional test results.

**Test Information**

	Test Number ____	Test Number ____	Test Number ____
Test species			
Age at initiation of test			
Outfall number			
Date sample collected			
Date test started			
Duration			

**Toxicity Test Methods**

Test method number			
Manual title			
Edition number and year of publication			
Page number(s)			

**Sample Type**

Check one:	<input type="checkbox"/> Grab <input type="checkbox"/> 24-hour composite	<input type="checkbox"/> Grab <input type="checkbox"/> 24-hour composite	<input type="checkbox"/> Grab <input type="checkbox"/> 24-hour composite
------------	---	---	---

**Sample Location**

Check one:	<input type="checkbox"/> Before Disinfection <input type="checkbox"/> After Disinfection <input type="checkbox"/> After Dechlorination	<input type="checkbox"/> Before Disinfection <input type="checkbox"/> After Disinfection <input type="checkbox"/> After Dechlorination	<input type="checkbox"/> Before disinfection <input type="checkbox"/> After disinfection <input type="checkbox"/> After dechlorination
------------	--	--	--

**Point in Treatment Process**

Describe the point in the treatment process at which the sample was collected for each test.			
--	--	--	--

**Toxicity Type**

Indicate for each test whether the test was performed to assess acute or chronic toxicity, or both. (Check one response.)	<input type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Both
---	---	---	---



EPA Identification Number	NPDES Permit Number AL0022349	Facility Name Talladega Brecon WWTP	Outfall Number
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TABLE E. EFFLUENT MONITORING FOR WHOLE EFFLUENT TOXICITY						
The table provides response space for one whole effluent toxicity sample. Copy the table to report additional test results.						
	Test Number _____		Test Number _____		Test Number _____	
<b>Test Type</b>						
Indicate the type of test performed. (Check one response.)	<input type="checkbox"/> Static <input type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through		<input type="checkbox"/> Static <input type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through		<input type="checkbox"/> Static <input type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	
<b>Source of Dilution Water</b>						
Indicate the source of dilution water. (Check one response.)	<input type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water		<input type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water		<input type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	
If laboratory water, specify type.						
If receiving water, specify source.						
<b>Type of Dilution Water</b>						
Indicate the type of dilution water. If salt water, specify "natural" or type of artificial sea salts or brine used.	<input type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)		<input type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)		<input type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	
<b>Percentage Effluent Used</b>						
Specify the percentage effluent used for all concentrations in the test series.						
<b>Parameters Tested</b>						
Check the parameters tested.	<input type="checkbox"/> pH <input type="checkbox"/> Salinity <input type="checkbox"/> Temperature	<input type="checkbox"/> Ammonia <input type="checkbox"/> Dissolved oxygen	<input type="checkbox"/> pH <input type="checkbox"/> Salinity <input type="checkbox"/> Temperature	<input type="checkbox"/> Ammonia <input type="checkbox"/> Dissolved oxygen	<input type="checkbox"/> pH <input type="checkbox"/> Salinity <input type="checkbox"/> Temperature	<input type="checkbox"/> Ammonia <input type="checkbox"/> Dissolved oxygen
<b>Acute Test Results</b>						
Percent survival in 100% effluent		%		%		%
LC <sub>50</sub>						
95% confidence interval		%		%		%
Control percent survival		%		%		%

EPA Identification Number	NPDES Permit Number AL0022349	Facility Name Talladega Brecon WWTP	Outfall Number
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<b>TABLE E. EFFLUENT MONITORING FOR WHOLE EFFLUENT TOXICITY</b>						
The table provides response space for one whole effluent toxicity sample. Copy the table to report additional test results.						
	<b>Test Number</b> _____		<b>Test Number</b> _____		<b>Test Number</b> _____	
<b>Acute Test Results Continued</b>						
Other (describe)						
<b>Chronic Test Results</b>						
NOEC		%		%		%
IC <sub>25</sub>		%		%		%
Control percent survival		%		%		%
Other (describe)						
<b>Quality Control/Quality Assurance</b>						
Is reference toxicant data available?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Was reference toxicant test within acceptable bounds?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
What date was reference toxicant test run (MM/DD/YYYY)?						
Other (describe)						

EPA Identification Number

NPDES Permit Number  
AL0022349Facility Name  
Talladega Brecon WWTPForm Approved 03/05/19  
OMB No. 2040-0004**TABLE F. INDUSTRIAL DISCHARGE INFORMATION**

Response space is provided for three SIUs. Copy the table to report information for additional SIUs.

	SIU ____	SIU ____	SIU ____
Name of SIU	Georgia Pacific Wood Products, LLC		
Mailing address (street or P.O. box)	400 Ironaton Cutoff Road		
City, state, and ZIP code	Talladega, AL 35160		
Description of all industrial processes that affect or contribute to the discharge.	Wood Production Products		
List the principal products and raw materials that affect or contribute to the SIU's discharge.	Washdown Water		
Indicate the average daily volume of wastewater discharged by the SIU.	34,000 gpd	gpd	gpd
How much of the average daily volume is attributable to process flow?	33,000 gpd	gpd	gpd
How much of the average daily volume is attributable to non-process flow?	1,000 gpd	gpd	gpd
Is the SIU subject to local limits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is the SIU subject to categorical standards?	<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

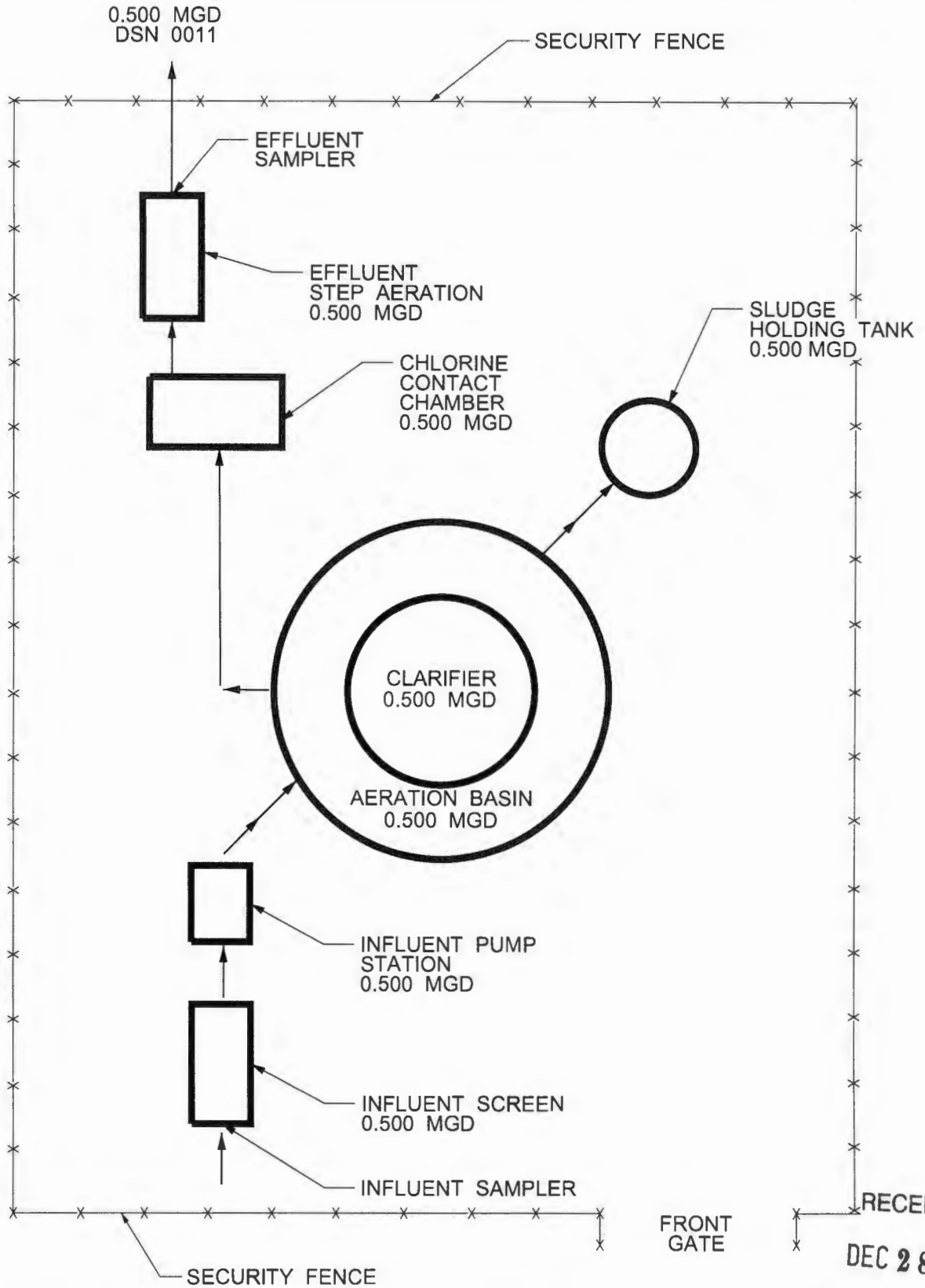
EPA Identification Number

NPDES Permit Number  
AL0022349Facility Name  
Talladega Brecon WWTPForm Approved 03/05/19  
OMB No. 2040-0004**TABLE F. INDUSTRIAL DISCHARGE INFORMATION**

Response space is provided for three SIUs. Copy the table to report information for additional SIUs.

	SIU ____	SIU ____	SIU ____
Under what categories and subcategories is the SIU subject?	Sewer Use Ordinance		
Has the POTW experienced problems (e.g., upsets, pass-through interferences) in the past 4.5 years that are attributable to the SIU?	<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
If yes, describe.			





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**INSITE**  
ENGINEERING

NOT TO SCALE  
**TALLADEGA  
BRECON WWTTP**  
NPDES PERMIT No. AL00AL002349

FLOW SCHEMATIC

**SCH-1**

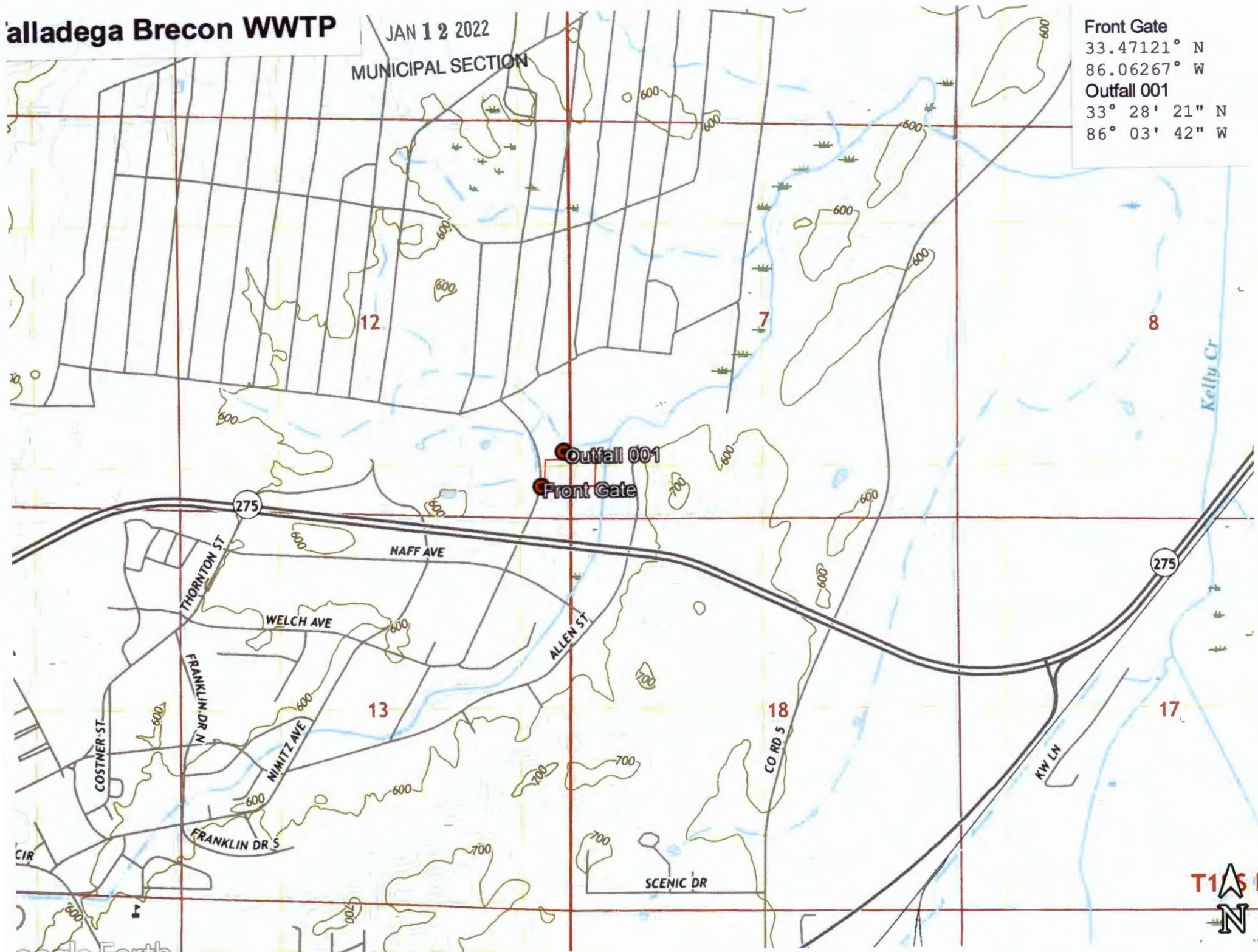
11-17-21

# alladega Brecon WWTP

JAN 12 2022

MUNICIPAL SECTION

Front Gate  
33.47121° N  
86.06267° W  
Outfall 001  
33° 28' 21" N  
86° 03' 42" W



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October 5, 2021

**Talladega Brecon WWTP Permit Renewal Application**

**Form 2A, Section 3.21, Attachment**

**Brecon WWTP Chronic Toxicity Sampling/Analyses:**

<b>Date:</b>	<b>Result:</b>
April 2020	Passed
May 2020	Passed
August 2020	Passed
November 2020	Passed
February 2021	Passed
May 2021	Passed
August 2021	Passed





## LRS, Inc.

Laboratory Resources & Solutions, Inc.

P.O. Box 1260

205 6th Avenue

Ashville, AL 35953

(205) 594-1445

[www.lab-resource.com](http://www.lab-resource.com)

# Analytical Data Report

Client: **Living Water Services**

5800 Feldspar Way

Birmingham, AL 35244

Attention: Ms. Misty Wisener

Project ID: **Talladega Brecon Pollutant Scan** (January 26, 2021)

Laboratory Report Number: **21-029-0025**

Report Date: February 9, 2021

Data Reviewed by:

*Wayne J. Gaston*

**Wayne Gaston**

Project Manager

Laboratory Resources & Solutions, Inc.

[wgaston@lab-resource.com](mailto:wgaston@lab-resource.com)

- Unless otherwise noted, all analysis on this report performed at Waypoint Analytical, Inc., 2790 Whitten Road, Memphis, TN 38133. NELAC #460181
- These results relate only to the items tested. This report may only be reproduced in full.
- Local support services for this project are provided by Laboratory Resources & Solutions, Inc. (LRS). All questions regarding this report should be directed to LRS, Inc. at (205) 594-1445.



2/5/2021

Living Water Services  
Ms. Misty Wisener  
5800 Feldspar Way  
Birmingham, AL, 35244

Ref: Analytical Testing  
Lab Report Number: 21-029-0025  
Client Project Description: Talladega Brecon Pollutant Scan  
Talladega, AL

Dear Ms. Misty Wisener:

Waypoint Analytical, LLC. received sample(s) on 1/29/2021 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

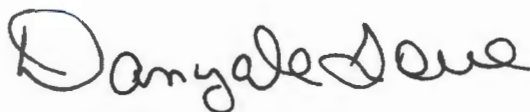
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule August 2017) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Danyale Love  
Project Manager

*Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.*



## Certification Summary

### Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/28/2021
Arkansas	State Program	88-0650	02/07/2021
California	State Program	2904	06/30/2021
Florida	State Program - NELAP	E871157	06/30/2021
Georgia	State Program	C044	02/18/2023
Georgia	State Program	04015	06/30/2021
Illinois	State Program - NELAP	200078	10/10/2021
Kentucky	State Program	80215	06/30/2021
Kentucky	State Program	KY90047	12/31/2021
Louisiana	State Program - NELAP	LA037	12/31/2021
Louisiana	State Program - NELAP	04015	06/30/2021
Mississippi	State Program	MS	02/11/2023
North Carolina	State Program	415	12/31/2021
Oklahoma	State Program	9311	08/31/2021
Pennsylvania	State Program - NELAP	68-03195	05/31/2021
South Carolina	State Program	84002	06/30/2021
South Carolina	State Program	84002	06/30/2021
Tennessee	State Program	02027	02/11/2023
Tennessee	A2LA ISO 17025:2017	4313.01	10/31/2021
Texas	State Program - NELAP	T104704180	09/30/2021
Virginia	State Program	00106	06/30/2021
Virginia	State Program - NELAP	460181	09/14/2021



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**Sample Summary Table**

**Report Number:** 21-029-0025  
**Client Project Description:** Talladega Brecon Pollutant Scan  
Talladega, AL

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Lab No	Client Sample ID	Matrix	Date Collected	Date Received
91166	Talladega Brecon	Aqueous	01/26/2021 12:30	01/29/2021

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22855  
 Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan  
 Information : Talladega, AL

Report Date : 02/05/2021  
 Received : 01/29/2021

Report Number : **21-029-0025**

**REPORT OF ANALYSIS**

Lab No : **91166**  
 Sample ID : **Talladega Brecon**

Matrix: **Aqueous**  
 Sampled: **1/26/2021 12:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Cyanide, Total	<0.005	mg/L	0.005	1	02/04/21 10:46	FMM	4500CNE-2011
Phenols (Total)	<0.050	mg/L	0.050	1	02/03/21 11:00	CLP	EPA-420.1
Antimony	<0.0100	mg/L	0.0100	1	02/03/21 00:20	TJS	EPA-200.7
Arsenic	<0.0100	mg/L	0.0100	1	02/03/21 00:20	TJS	EPA-200.7
Beryllium	<0.0010	mg/L	0.0010	1	02/03/21 00:20	TJS	EPA-200.7
Cadmium	<0.0020	mg/L	0.0020	1	02/03/21 00:20	TJS	EPA-200.7
Calcium	<b>29.7</b>	mg/L	0.500	1	02/03/21 00:20	TJS	EPA-200.7
Chromium	<0.0050	mg/L	0.0050	1	02/03/21 00:20	TJS	EPA-200.7
Copper	<b>0.0124</b>	mg/L	0.0050	1	02/03/21 00:20	TJS	EPA-200.7
Hardness as CaCO3(SM-2340B)	<b>137</b>	mg/L	0.100	1	02/03/21 00:20		EPA-200.7
Lead	<0.0060	mg/L	0.0060	1	02/03/21 00:20	TJS	EPA-200.7
Magnesium	<b>15.3</b>	mg/L	0.100	1	02/03/21 00:20	TJS	EPA-200.7
Mercury	<0.00020	mg/L	0.00020	1	02/05/21 12:59	DDB	EPA-245.1
Nickel	<0.0050	mg/L	0.0050	1	02/03/21 00:20	TJS	EPA-200.7
Selenium	<0.0100	mg/L	0.0100	1	02/03/21 00:20	TJS	EPA-200.7
Silver	<0.0050	mg/L	0.0050	1	02/03/21 00:20	TJS	EPA-200.7
Thallium	<0.0200	mg/L	0.0200	1	02/03/21 00:20	TJS	EPA-200.7
Zinc	<b>0.0411</b>	mg/L	0.0200	1	02/03/21 00:20	TJS	EPA-200.7

**Qualifiers/** DF Dilution Factor L Limit Exceeded  
**Definitions** MQL Method Quantitation Limit



22855

Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan  
 Information : Talladega, AL

Report Date : 02/05/2021  
 Received : 01/29/2021

Report Number : 21-029-0025

**REPORT OF ANALYSIS**

Lab No : 91166  
 Sample ID : Talladega Brecon

Matrix: Aqueous  
 Sampled: 1/26/2021 12:30

Analytical Method: 624.1      Prep Batch(es): L534833 02/03/21 09:40  
 Prep Method: EPA-624.1 (PREP)

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
Acrolein	<20.0	µg/L	20.0	1	02/03/21 18:33	HRS	L534849
Acrylonitrile	<20.0	µg/L	20.0	1	02/03/21 18:33	HRS	L534849
Benzene	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
Bromodichloromethane	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
Bromoform	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
Bromomethane	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
Carbon Tetrachloride	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
Chlorobenzene	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
Chlorodibromomethane	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
Chloroethane	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
2-Chloroethylvinyl Ether	<5.00	µg/L	5.00	1	02/03/21 18:33	HRS	L534849
Chloroform	<b>12.3</b>	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
Chloromethane	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
1,1-Dichloroethane	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
1,2-Dichloroethane	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
1,1-Dichloroethene	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
trans-1,2-Dichloroethene	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
1,2-Dichloropropane	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
cis-1,3-Dichloropropene	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
trans-1,3-Dichloropropene	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
1,3-Dichloropropene (Total)	<1.00	µg/L	1.00	1	02/03/21 18:33		L534849
Ethylbenzene	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849

**Qualifiers/  
Definitions**

DF Dilution Factor      ML Method Quantitation Limit

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 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan  
 Information : Talladega, AL

Report Date : 02/05/2021  
 Received : 01/29/2021

Report Number : **21-029-0025**

**REPORT OF ANALYSIS**

Lab No : **91166**  
 Sample ID : **Talladega Brecon**

Matrix: **Aqueous**  
 Sampled: **1/26/2021 12:30**

**Analytical Method:** 624.1      **Prep Batch(es):** L534833 02/03/21 09:40  
**Prep Method:** EPA-624.1 (PREP)

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
Methylene Chloride	<10.0	µg/L	10.0	1	02/03/21 18:33	HRS	L534849
1,1,2,2-Tetrachloroethane	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
Tetrachloroethene	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
Toluene	<5.00	µg/L	5.00	1	02/03/21 18:33	HRS	L534849
1,1,1-Trichloroethane	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
1,1,2-Trichloroethane	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
Trichloroethene	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
Vinyl Chloride	<1.00	µg/L	1.00	1	02/03/21 18:33	HRS	L534849
Surrogate: 4-Bromofluorobenzene	127		Limits: 71-131%	1	02/03/21 18:33	HRS	L534849
Surrogate: Dibromofluoromethane	101		Limits: 70-128%	1	02/03/21 18:33	HRS	L534849
Surrogate: 1,2-Dichloroethane - d4	104		Limits: 67-136%	1	02/03/21 18:33	HRS	L534849
Surrogate: Toluene-d8	108		Limits: 70-130%	1	02/03/21 18:33	HRS	L534849

**Analytical Method:** 625.1      **Prep Batch(es):** L534172 02/01/21 12:00  
**Prep Method:** 625.1

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
Acenaphthylene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
Anthracene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
Benzidine	<20.0	µg/L	20.0	1	02/01/21 21:32	CCB	L534394
Benzo(a)anthracene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
Benzo(a)pyrene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394

**Qualifiers/ Definitions**      DF      Dilution Factor      MQL      Method Quantitation Limit



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Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan

Information : Talladega, AL

Report Date : 02/05/2021  
 Received : 01/29/2021

Report Number : **21-029-0025**

**REPORT OF ANALYSIS**

Lab No : **91166**

Matrix: **Aqueous**

Sample ID : **Talladega Brecon**

Sampled: **1/26/2021 12:30**

**Analytical Method:** 625.1 **Prep Batch(es):** L534172 02/01/21 12:00

**Prep Method:** 625.1

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(b)fluoranthene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
Benzo(g,h,i)perylene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
Benzo(k)fluoranthene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
Bis(2-Chloroethoxy)methane	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Bis(2-Chloroethyl)ether	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Bis(2-Chloroisopropyl)ether	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Bis(2-ethylhexyl)phthalate	<10.0	µg/L	10.0	1	02/01/21 21:32	CCB	L534394
4-Bromophenyl phenyl ether	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Butyl benzyl phthalate	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
4-Chloro-3-methylphenol	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
2-Chloronaphthalene	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
2-Chlorophenol	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
4-Chlorophenyl phenyl ether	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Chrysene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
Dibenz(a,h)anthracene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
1,2-Dichlorobenzene	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
1,3-Dichlorobenzene	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
1,4-Dichlorobenzene	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
3,3'-Dichlorobenzidine	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
2,4-Dichlorophenol	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Diethyl phthalate	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Dimethyl phthalate	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394

**Qualifiers/  
Definitions**

DF

Dilution Factor

ML

Method Quantitation Limit



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 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan  
 Information : Talladega, AL

Report Date : 02/05/2021  
 Received : 01/29/2021

Report Number : **21-029-0025**

**REPORT OF ANALYSIS**

Lab No : **91166**  
 Sample ID : **Talladega Brecon**

Matrix: **Aqueous**  
 Sampled: **1/26/2021 12:30**

**Analytical Method:** 625.1      **Prep Batch(es):** **L534172** 02/01/21 12:00  
**Prep Method:** 625.1

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
2,4-Dimethylphenol	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Di-n-butyl phthalate	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
4,6-Dinitro-2-methylphenol	<10.0	µg/L	10.0	1	02/01/21 21:32	CCB	L534394
2,4-Dinitrophenol	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
2,4-Dinitrotoluene	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
2,6-Dinitrotoluene	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Di-n-Octyl Phthalate	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
1,2-Diphenylhydrazine/Azobenzene	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Fluoranthene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
Fluorene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
Hexachlorobenzene	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Hexachlorobutadiene	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Hexachlorocyclopentadiene	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Hexachloroethane	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Indeno(1,2,3-cd)pyrene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
Isophorone	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Naphthalene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
Nitrobenzene	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
2-Nitrophenol	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
4-Nitrophenol	<10.0	µg/L	10.0	1	02/01/21 21:32	CCB	L534394
N-Nitrosodimethylamine	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
N-Nitrosodiphenylamine	<10.0	µg/L	10.0	1	02/01/21 21:32	CCB	L534394

**Qualifiers/ Definitions**      DF      Dilution Factor      MQL      Method Quantitation Limit





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Project Talladega Brecon Pollutant Scan  
 Information : Talladega, AL

Report Date : 02/05/2021  
 Received : 01/29/2021

Report Number : **21-029-0025**

**REPORT OF ANALYSIS**

Lab No : **91166**  
 Sample ID : **Talladega Brecon**

Matrix: **Aqueous**  
 Sampled: **1/26/2021 12:30**

**Analytical Method:** 625.1      **Prep Batch(es):** L534172 02/01/21 12:00  
**Prep Method:** 625.1

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
N-Nitroso-di-n-propylamine	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Pentachlorophenol	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Phenanthrene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
Phenol	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Pyrene	<2.00	µg/L	2.00	1	02/01/21 21:32	CCB	L534394
1,2,4-Trichlorobenzene	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
2,4,6-Trichlorophenol	<5.00	µg/L	5.00	1	02/01/21 21:32	CCB	L534394
Surrogate: 2-Fluorobiphenyl	69.5		Limits: 30-107%	1	02/01/21 21:32	CCB	L534394
Surrogate: 2-Fluorophenol	24.2		Limits: 8-88%	1	02/01/21 21:32	CCB	L534394
Surrogate: Nitrobenzene-d5	65.3		Limits: 29-105%	1	02/01/21 21:32	CCB	L534394
Surrogate: Phenol-d6	17.2		Limits: 7-58%	1	02/01/21 21:32	CCB	L534394
Surrogate: 4-Terphenyl-d14	70.0		Limits: 30-130%	1	02/01/21 21:32	CCB	L534394
Surrogate: 2,4,6-Tribromophenol	79.0		Limits: 16-138%	1	02/01/21 21:32	CCB	L534394

**Qualifiers/**      DF      Dilution Factor      MQL      Method Quantitation Limit  
**Definitions**

## Shipment Receipt Form

Customer Number: **22855**

Customer Name: **Living Water Services**

Report Number: **21-029-0025**

### Shipping Method

Fed Ex       US Postal       Lab       Other :   
 UPS       Client       Courier      Thermometer ID:

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Number of coolers/boxes received	<input type="text" value="1"/>		
Custody seals intact on shipping container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Not Present
Custody seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Present
Chain of Custody (COC) present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC properly completed	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper containers?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample containers intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample volume for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within holding time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler temperature in compliance?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Water - Sample containers properly preserved	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Water - VOA vials free of headspace	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Trip Blanks received with VOAs	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> N/A
Soil VOA method 5035 – compliance criteria met	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
<input type="checkbox"/> High concentration container (48 hr)		<input type="checkbox"/> Low concentration EnCore samplers (48 hr)	
<input type="checkbox"/> High concentration pre-weighed (methanol -14 d)		<input type="checkbox"/> Low conc pre-weighed vials (Sod Bis -14 d)	
Special precautions or instructions included?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Comments:

Signature:

Date & Time:



**Billing Information:**

**Laboratory Resources and Solutions, Inc.**

P.O. Box 1260  
205 6th Avenue  
Ashville, Alabama 35953  
(205) 594-1445



**LRS Client Information:**

**Living Water Services**

5800 Feldspar Way  
Birmingham, AL 35244

"Report to" Contact

**Misty Wisener**

Analysis/Container/Preservative

Total Metals E200.7/245.1 (One 250-mL HDPE, HNO3-pres.)																				
Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Ti, Zn																				
Hardness as CaCO3 SM2340B																				
Total Cyanide SM4500CN (One 250-mL HDPE, NaOH-pres.)																				
Total Phenols E420.1 (One 1-liter amber glass, H2SO4-pres)																				
**Total VOCs E624.1 (Two 40-mL VOA vials, HCl-preserved)																				
**Total SVOCs E625.1 (One 1-liter amber glass, non-preserv)																				

**Laboratory Resources and Solutions, Inc.**

A Laboratory Service Provider



Laboratory:

WR Memphis, TN

Sample Remarks

**Project Name: Talladega Main Pollutant Scan**

Brecon

City/State collected:

Talladega, Alabama

Collected by: *Tyler McKeller*

Client Project #

P.O. #

Collected by (signature): *[Signature]*

Project Turnaround (Begins on Lab Login Date)

**RUSH?** Please Notify LRS

- Same Day (200%)
- Next Day (100%)
- Two Day (50%)
- Three Day (25%)

Date Results Needed:

Number of Containers

Packed on Ice? N  Y

Sample Information	Sample ID	Comp/Grab	Matrix	Depth	Date	Time	Number of Containers	Analysis/Container/Preservative										Sample Remarks					
	Talladega Main Brecon Comp		WW		1/26/21	12:30pm		6	Total Metals E200.7/245.1	Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Ti, Zn	Hardness as CaCO3 SM2340B	Total Cyanide SM4500CN	Total Phenols E420.1	**Total VOCs E624.1	**Total SVOCs E625.1								
								X	X	X	X	X											

Living Water Services  
Talladega Brecon Pollutant Scan

21-029-0025  
22855  
01-29-2021  
11 57 16

Matrix\* SS - Soil/Solid GW - Groundwater WW - Wastewater SW - Surface Water DW - Drinking Water SLW - Solid Waste LQW - Liquid Waste  
SOL - Solvent OI - Oil WI - Wipes PW - Process Water OT - Other (Describe) \_\_\_\_\_

pH \_\_\_\_\_ Temp \_\_\_\_\_

Project Remarks: \*\* See Attached Analyte List for VOCs and SVOCs

Rainfall in Inches \_\_\_\_\_ Flow \_\_\_\_\_ Other \_\_\_\_\_

Custody Info	Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Condition	(Lab use only) Custody Seals received on: <del>Cooler(s)</del> Container(s)	
	<i>[Signature]</i>	1/26/21	1:30pm	<i>[Signature]</i>	1/26/21	1:30pm			1.9 T102MW
	<i>Sonya Owen</i>	1/28/21	1000	<i>[Signature]</i>	1/28/21	1000			
<i>[Signature]</i>	1/28/21	1700	<i>Makana Weaver</i>	1/29/21	0900				

Client signature implies acceptance of LRS Terms and Conditions, which can be viewed online at [www.lab-resource.com](http://www.lab-resource.com)



*Volatile organic compounds*

Acrolein  
Acrylonitrile  
Benzene  
Bromoform  
Carbon tetrachloride  
Chlorobenzene  
Chlorodibromomethane  
Chloroethane  
2-chloroethylvinyl ether  
Chloroform  
Dichlorobromomethane  
1,1-dichloroethane  
1,2-dichloroethane  
Trans-1,2-dichloroethylene  
1,1-dichloroethylene  
1,2-dichloropropane  
1,3-dichloropropylene  
Ethylbenzene  
Methyl bromide  
Methyl chloride  
Methylene chloride  
1,1,2,2-tetrachloroethane  
Tetrachloroethylene  
Toluene  
1,1,1-trichloroethane  
1,1,2-trichloroethane  
Trichloroethylene  
Vinyl chloride

*Acid-extractable compounds*

P-chloro-m-cresol  
2-chlorophenol  
2,4-dichlorophenol  
2,4-dimethylphenol  
4,6-dinitro-o-cresol  
2,4-dinitrophenol  
2-nitrophenol  
4-nitrophenol  
Pentachlorophenol  
Phenol  
2,4,6-trichlorophenol  
*Base-neutral compounds*  
Acenaphthene  
Acenaphthylene  
Anthracene  
Benzidine  
Benzo(a)anthracene  
Benzo(a)pyrene  
3,4 benzofluoranthene  
Benzo(ghi)perylene  
Benzo(k)fluoranthene  
Bis (2-chloroethoxy) methane  
Bis (2-chloroethyl) ether  
Bis (2-chloroisopropyl) ether  
Bis (2-ethylhexyl) phthalate  
4-bromophenyl phenyl ether  
Butyl benzyl phthalate  
2-chloronaphthalene  
4-chlorophenyl phenyl ether

Chrysene

Di-n-butyl phthalate  
Di-n-octyl phthalate  
Dibenzo(a,h)anthracene  
1,2-dichlorobenzene  
1,3-dichlorobenzene  
1,4-dichlorobenzene  
3,3-dichlorobenzidine  
Diethyl phthalate  
Dimethyl phthalate  
2,4-dinitrotoluene  
2,6-dinitrotoluene  
1,2-diphenylhydrazine  
Fluoranthene  
Fluorene  
Hexachlorobenzene  
Hexachlorobutadiene  
Hexachlorocyclopentadiene  
Hexachloroethane  
Indeno(1,2,3-cd)pyrene  
Isophorone  
Naphthalene  
Nitrobenzene  
N-nitrosodi-n-propylamine  
N-nitrosodimethylamine  
N-nitrosodiphenylamine  
Phenanthrene  
Pyrene  
1,2,4,-trichlorobenzene





*Volatile organic compounds*

Acrolein  
Acrylonitrile  
Benzene  
Bromoform  
Carbon tetrachloride  
Chlorobenzene  
Chlorodibromomethane  
Chloroethane  
2-chloroethylvinyl ether  
Chloroform  
Dichlorobromomethane  
1,1-dichloroethane  
1,2-dichloroethane  
Trans-1,2-dichloroethylene  
1,1-dichloroethylene  
1,2-dichloropropane  
1,3-dichloropropylene  
Ethylbenzene  
Methyl bromide  
Methyl chloride  
Methylene chloride  
1,1,2,2-tetrachloroethane  
Tetrachloroethylene  
Toluene  
1,1,1-trichloroethane  
1,1,2-trichloroethane  
Trichloroethylene  
Vinyl chloride

*Acid-extractable compounds*

P-chloro-m-cresol  
2-chlorophenol  
2,4-dichlorophenol  
2,4-dimethylphenol  
4,6-dinitro-o-cresol  
2,4-dinitrophenol  
2-nitrophenol  
4-nitrophenol  
Pentachlorophenol  
Phenol  
2,4,6-trichlorophenol  
*Base-neutral compounds*  
Acenaphthene  
Acenaphthylene  
Anthracene  
Benzidine  
Benzo(a)anthracene  
Benzo(a)pyrene  
3,4 benzofluoranthene  
Benzo(ghi)perylene  
Benzo(k)fluoranthene  
Bis (2-chloroethoxy) methane  
Bis (2-chloroethyl) ether  
Bis (2-chloroisopropyl) ether  
Bis (2-ethylhexyl) phthalate  
4-bromophenyl phenyl ether  
Butyl benzyl phthalate  
2-chloronaphthalene  
4-chlorophenyl phenyl ether

Chrysene

Di-n-butyl phthalate  
Di-n-octyl phthalate  
Dibenzo(a,h)anthracene  
1,2-dichlorobenzene  
1,3-dichlorobenzene  
1,4-dichlorobenzene  
3,3-dichlorobenzidine  
Diethyl phthalate  
Dimethyl phthalate  
2,4-dinitrotoluene  
2,6-dinitrotoluene  
1,2-diphenylhydrazine  
Fluoranthene  
Fluorene  
Hexachlorobenzene  
Hexachlorobutadiene  
Hexachlorocyclopentadiene  
Hexachloroethane  
Indeno(1,2,3-cd)pyrene  
Isophorone  
Naphthalene  
Nitrobenzene  
N-nitrosodi-n-propylamine  
N-nitrosodimethylamine  
N-nitrosodiphenylamine  
Phenanthrene  
Pyrene  
1,2,4,-trichlorobenzene





## LRS, Inc.

Laboratory Resources & Solutions, Inc.

P.O. Box 1260

205 6th Avenue

Ashville, AL 35953

(205) 594-1445

[www.lab-resource.com](http://www.lab-resource.com)

# Analytical Data Report

Client: **Living Water Services**

5800 Feldspar Way  
Birmingham, AL 35244

Attention: Ms. Misty Wisener

Project ID: **Talladega Brecon Pollutant Scan** (February 24, 2021)

Laboratory Report Number: **21-058-0028**

Report Date: March 10, 2021

Data Reviewed by:

*Wayne J. Gaston*

---

**Wayne Gaston**

Project Manager

Laboratory Resources & Solutions, Inc.

[wgaston@lab-resource.com](mailto:wgaston@lab-resource.com)

- Unless otherwise noted, all analysis on this report performed at Waypoint Analytical, Inc., 2790 Whitten Road, Memphis, TN 38133. NELAC #460181
- These results relate only to the items tested. This report may only be reproduced in full.
- Local support services for this project are provided by Laboratory Resources & Solutions, Inc. (LRS). All questions regarding this report should be directed to LRS, Inc. at (205) 594-1445.

3/8/2021

Living Water Services  
Ms. Misty Wisener  
5800 Feldspar Way  
Birmingham, AL, 35244

Ref: Analytical Testing  
Lab Report Number: 21-058-0028  
Client Project Description: Talladega Brecon Pollutant Scan  
Talladega, AL

Dear Ms. Misty Wisener:

Waypoint Analytical, LLC. received sample(s) on 2/27/2021 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

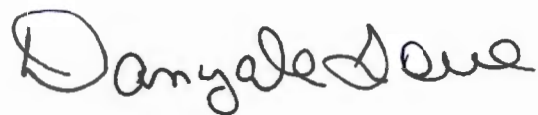
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule August 2017) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Danyale Love  
Project Manager

*Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.*





## Certification Summary

**Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN**

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/28/2022
Arkansas	State Program	88-0650	02/07/2021
California	State Program	2904	06/30/2021
Florida	State Program - NELAP	E871157	06/30/2021
Georgia	State Program	C044	02/18/2023
Georgia	State Program	04015	06/30/2021
Illinois	State Program - NELAP	200078	10/10/2021
Kentucky	State Program	80215	06/30/2021
Kentucky	State Program	KY90047	12/31/2021
Louisiana	State Program - NELAP	LA037	12/31/2021
Louisiana	State Program - NELAP	04015	06/30/2021
Mississippi	State Program	MS	02/11/2023
North Carolina	State Program	415	12/31/2021
Oklahoma	State Program	9311	08/31/2021
Pennsylvania	State Program - NELAP	68-03195	05/31/2021
South Carolina	State Program	84002	06/30/2021
South Carolina	State Program	84002	06/30/2021
Tennessee	State Program	02027	02/11/2023
Tennessee	A2LA ISO 17025:2017	4313.01	10/31/2021
Texas	State Program - NELAP	T104704180	09/30/2021
Virginia	State Program	00106	06/30/2021
Virginia	State Program - NELAP	460181	09/14/2021





2790 Whitten Road, Memphis, TN 38133  
Main 901.213.2400 ° Fax 901.213.2440  
[www.waypointanalytical.com](http://www.waypointanalytical.com)

**Sample Summary Table**

**Report Number:** 21-058-0028  
**Client Project Description:** Talladega Brecon Pollutant Scan  
Talladega, AL

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Lab No	Client Sample ID	Matrix	Date Collected	Date Received
86444	Talladega Brecon	Aqueous	02/24/2021 09:15	02/27/2021

---



2790 Whitten Road, Memphis, TN 38133  
 Main 901.213.2400 ° Fax 901.213.2440  
 www.waypointanalytical.com

22855  
 Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan  
 Information : Talladega, AL

Report Date : 03/08/2021  
 Received : 02/27/2021

Report Number : **21-058-0028**

**REPORT OF ANALYSIS**

Lab No : **86444**  
 Sample ID : **Talladega Brecon**

Matrix: **Aqueous**  
 Sampled: **2/24/2021 9:15**

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Method
Cyanide, Total	<0.005	mg/L	0.005	1	03/05/21 10:40	FMM	4500CNE-2011
Phenols (Total)	<0.050	mg/L	0.050	1	03/08/21 11:00	CLP	EPA-420.1
Antimony	<0.0100	mg/L	0.0100	1	03/05/21 00:48	TJS	EPA-200.7
Arsenic	<0.0100	mg/L	0.0100	1	03/05/21 00:48	TJS	EPA-200.7
Beryllium	<0.0010	mg/L	0.0010	1	03/05/21 00:48	TJS	EPA-200.7
Cadmium	<0.0020	mg/L	0.0020	1	03/05/21 00:48	TJS	EPA-200.7
Calcium	<b>26.2</b>	mg/L	0.500	1	03/05/21 00:48	TJS	EPA-200.7
Chromium	<0.0050	mg/L	0.0050	1	03/05/21 21:32	TJS	EPA-200.7
Copper	<0.0050	mg/L	0.0050	1	03/05/21 00:48	TJS	EPA-200.7
Hardness as CaCO3(SM-2340B)	<b>120</b>	mg/L	0.100	1	03/05/21 00:48		EPA-200.7
Lead	<0.0060	mg/L	0.0060	1	03/05/21 21:32	TJS	EPA-200.7
Magnesium	<b>13.3</b>	mg/L	0.100	1	03/05/21 00:48	TJS	EPA-200.7
Mercury	<0.00020	mg/L	0.00020	1	03/05/21 11:17	DDB	EPA-245.1
Nickel	<0.0050	mg/L	0.0050	1	03/05/21 21:32	TJS	EPA-200.7
Selenium	<0.0100	mg/L	0.0100	1	03/05/21 00:48	TJS	EPA-200.7
Silver	<0.0050	mg/L	0.0050	1	03/05/21 00:48	TJS	EPA-200.7
Thallium	<0.0200	mg/L	0.0200	1	03/05/21 00:48	TJS	EPA-200.7
Zinc	<b>0.0327</b>	mg/L	0.0200	1	03/05/21 00:48	TJS	EPA-200.7

**Qualifiers/  
Definitions**

DF Dilution Factor L Limit Exceeded  
 MQL Method Quantitation Limit

22855

Living Water Services  
Ms. Misty Wisener  
5800 Feldspar Way  
Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan

Information : Talladega, AL

Report Date : 03/08/2021  
Received : 02/27/2021

Report Number : **21-058-0028**

**REPORT OF ANALYSIS**

Lab No : **86444**

Matrix: **Aqueous**

Sample ID : **Talladega Brecon**

Sampled: **2/24/2021 9:15**

**Analytical Method:** 624.1 **Prep Batch(es):** **L539528** 03/04/21 07:58

**Prep Method:** 624.1

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
Acrolein	<20.0	µg/L	20.0	1	03/04/21 12:21	ELM	L539529
Acrylonitrile	<20.0	µg/L	20.0	1	03/04/21 12:21	ELM	L539529
Benzene	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
Bromodichloromethane	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
Bromoform	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
Bromomethane	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
Carbon Tetrachloride	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
Chlorobenzene	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
Chlorodibromomethane	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
Chloroethane	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
2-Chloroethylvinyl Ether	<5.00	µg/L	5.00	1	03/04/21 12:21	ELM	L539529
Chloroform	<b>6.47</b>	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
Chloromethane	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
1,1-Dichloroethane	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
1,2-Dichloroethane	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
1,1-Dichloroethene	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
trans-1,2-Dichloroethene	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
1,2-Dichloropropane	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
cis-1,3-Dichloropropene	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
trans-1,3-Dichloropropene	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
1,3-Dichloropropene (Total)	<1.00	µg/L	1.00	1	03/04/21 12:21		L539529
Ethylbenzene	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529

**Qualifiers/  
Definitions**

DF

Dilution Factor

ML

Method Quantitation Limit

22855

Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan  
 Information : Talladega, AL

Report Date : 03/08/2021  
 Received : 02/27/2021

Report Number : **21-058-0028**

**REPORT OF ANALYSIS**

Lab No : **86444**  
 Sample ID : **Talladega Brecon**

Matrix: **Aqueous**  
 Sampled: **2/24/2021 9:15**

**Analytical Method:** 624.1      **Prep Batch(es):** **L539528** 03/04/21 07:58  
**Prep Method:** 624.1

Test	Results	Units	MLQ	DF	Date / Time Analyzed	By	Analytical Batch
Methylene Chloride	<10.0	µg/L	10.0	1	03/04/21 12:21	ELM	L539529
1,1,2,2-Tetrachloroethane	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
Tetrachloroethene	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
Toluene	<5.00	µg/L	5.00	1	03/04/21 12:21	ELM	L539529
1,1,1-Trichloroethane	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
1,1,2-Trichloroethane	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
Trichloroethene	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
Vinyl Chloride	<1.00	µg/L	1.00	1	03/04/21 12:21	ELM	L539529
Surrogate: 4-Bromofluorobenzene	117		Limits: 71-131%	1	03/04/21 12:21	ELM	L539529
Surrogate: Dibromofluoromethane	82.4		Limits: 70-128%	1	03/04/21 12:21	ELM	L539529
Surrogate: 1,2-Dichloroethane - d4	108		Limits: 67-136%	1	03/04/21 12:21	ELM	L539529
Surrogate: Toluene-d8	97.2		Limits: 70-130%	1	03/04/21 12:21	ELM	L539529

**Analytical Method:** 625.1      **Prep Batch(es):** **L539262** 03/03/21 13:00  
**Prep Method:** 625.1

Test	Results	Units	MLQ	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
Acenaphthylene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
Anthracene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
Benzidine	<20.0	µg/L	20.0	1	03/03/21 21:30	CCB	L539477
Benzo(a)anthracene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
Benzo(a)pyrene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477

**Qualifiers/ Definitions**      DF      Dilution Factor      MLQ      Method Quantitation Limit



22855

Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan  
 Information : Talladega, AL

Report Date : 03/08/2021  
 Received : 02/27/2021

Report Number : 21-058-0028

**REPORT OF ANALYSIS**

Lab No : 86444  
 Sample ID : Talladega Brecon

Matrix: Aqueous  
 Sampled: 2/24/2021 9:15

Analytical Method: 625.1                      Prep Batch(es): L539262 03/03/21 13:00  
 Prep Method: 625.1

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(b)fluoranthene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
Benzo(g,h,i)perylene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
Benzo(k)fluoranthene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
Bis(2-Chloroethoxy)methane	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Bis(2-Chloroethyl)ether	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Bis(2-Chloroisopropyl)ether	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Bis(2-ethylhexyl)phthalate	<10.0	µg/L	10.0	1	03/03/21 21:30	CCB	L539477
4-Bromophenyl phenyl ether	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Butyl benzyl phthalate	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
4-Chloro-3-methylphenol	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
2-Chloronaphthalene	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
2-Chlorophenol	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
4-Chlorophenyl phenyl ether	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Chrysene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
Dibenz(a,h)anthracene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
1,2-Dichlorobenzene	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
1,3-Dichlorobenzene	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
1,4-Dichlorobenzene	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
3,3'-Dichlorobenzidine	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
2,4-Dichlorophenol	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Diethyl phthalate	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Dimethyl phthalate	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477

**Qualifiers/  
Definitions**

DF Dilution Factor                      MQL Method Quantitation Limit



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22855

Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan

Information : Talladega, AL

Report Date : 03/08/2021  
 Received : 02/27/2021

Report Number : **21-058-0028**

**REPORT OF ANALYSIS**

Lab No : **86444**  
 Sample ID : **Talladega Brecon**

Matrix: **Aqueous**  
 Sampled: **2/24/2021 9:15**

**Analytical Method:** 625.1      **Prep Batch(es):** L539262 03/03/21 13:00  
**Prep Method:** 625.1

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
2,4-Dimethylphenol	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Di-n-butyl phthalate	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
4,6-Dinitro-2-methylphenol	<10.0	µg/L	10.0	1	03/03/21 21:30	CCB	L539477
2,4-Dinitrophenol	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
2,4-Dinitrotoluene	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
2,6-Dinitrotoluene	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Di-n-Octyl Phthalate	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
1,2-Diphenylhydrazine/Azobenzene	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Fluoranthene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
Fluorene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
Hexachlorobenzene	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Hexachlorobutadiene	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Hexachlorocyclopentadiene	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Hexachloroethane	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Indeno(1,2,3-cd)pyrene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
Isophorone	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Naphthalene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
Nitrobenzene	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
2-Nitrophenol	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
4-Nitrophenol	<10.0	µg/L	10.0	1	03/03/21 21:30	CCB	L539477
N-Nitrosodimethylamine	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
N-Nitrosodiphenylamine	<10.0	µg/L	10.0	1	03/03/21 21:30	CCB	L539477

**Qualifiers/  
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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22855

Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan

Information : Talladega, AL

Report Date : 03/08/2021  
 Received : 02/27/2021

Report Number : **21-058-0028**

**REPORT OF ANALYSIS**

Lab No : **86444**  
 Sample ID : **Talladega Brecon**

Matrix: **Aqueous**  
 Sampled: **2/24/2021 9:15**

**Analytical Method:** 625.1      **Prep Batch(es):** **L539262** 03/03/21 13:00  
**Prep Method:** 625.1

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
N-Nitroso-di-n-propylamine	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Pentachlorophenol	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Phenanthrene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
Phenol	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Pyrene	<2.00	µg/L	2.00	1	03/03/21 21:30	CCB	L539477
1,2,4-Trichlorobenzene	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
2,4,6-Trichlorophenol	<5.00	µg/L	5.00	1	03/03/21 21:30	CCB	L539477
Surrogate: 2-Fluorobiphenyl	55.5		Limits: 30-107%	1	03/03/21 21:30	CCB	L539477
Surrogate: 2-Fluorophenol	23.2		Limits: 8-88%	1	03/03/21 21:30	CCB	L539477
Surrogate: Nitrobenzene-d5	55.1		Limits: 29-105%	1	03/03/21 21:30	CCB	L539477
Surrogate: Phenol-d6	14.1		Limits: 7-58%	1	03/03/21 21:30	CCB	L539477
Surrogate: 4-Terphenyl-d14	80.6		Limits: 30-130%	1	03/03/21 21:30	CCB	L539477
Surrogate: 2,4,6-Tribromophenol	62.0		Limits: 16-138%	1	03/03/21 21:30	CCB	L539477

**Qualifiers/**      DF      Dilution Factor      MQL      Method Quantitation Limit  
**Definitions**

**Shipment Receipt Form**

Customer Number: **22855**

Customer Name: **Living Water Services**

Report Number: **21-058-0028**

**Shipping Method**

Fed Ex       US Postal       Lab       Other :   
 UPS       Client       Courier      Thermometer ID:

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Number of coolers/boxes received	<input type="text" value="1"/>		
Custody seals intact on shipping container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Not Present
Custody seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Present
Chain of Custody (COC) present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC properly completed	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper containers?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample containers intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample volume for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within holding time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler temperature in compliance?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Water - Sample containers properly preserved	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Water - VOA vials free of headspace	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Trip Blanks received with VOAs	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> N/A
Soil VOA method 5035 – compliance criteria met	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
<input type="checkbox"/> High concentration container (48 hr)	<input type="checkbox"/> Low concentration EnCore samplers (48 hr)		
<input type="checkbox"/> High concentration pre-weighed (methanol -14 d)	<input type="checkbox"/> Low conc pre-weighed vials (Sod Bis -14 d)		
Special precautions or instructions included?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Comments:

Signature:

Date & Time:



**Billing Information:**

**Laboratory Resources and Solutions, Inc.**  
 P.O. Box 1260  
 205 6th Avenue  
 Ashville, Alabama 35953  
 (205) 594-1445



**LRS Client Information:**

**Living Water Services**  
 5800 Feldspar Way  
 Birmingham, AL 35244

"Report to" Contact

**Misty Wisener**

**Analysis/Container/Preservative**

Total Metals E200.7/245.1 (One 250-mL HDPE, HNO3-pres.)  
 Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Ti, Zn  
 Hardness as CaCO3 SM2340B  
 Total Cyanide SM4500CN (One 250-mL HDPE, NaOH-pres.)  
 Total Phenols E420.1 (One 1-liter amber glass, H2SO4-pres)  
 \*\*Total VOCs E624.1 (Two 40-mL VOA vials, HCl-preserved)  
 \*\*Total SVOCs E625.1 (One 1-liter amber glass, non-preserv)

**Laboratory Resources and Solutions, Inc.**  
 A Laboratory Service Provider



Laboratory:

*WR Memphis, TN*

**Project Name: Talladega Brecon Pollutant Scan**

Collected by: *Tyler McKeller* Client Project # P.O. #  
 City/State collected: Talladega, Alabama

Collected by (signature): *[Signature]*  
 Project Turnaround (Begins on Lab Login Date)  
**RUSH?** Please Notify LRS  
 \_\_\_ Same Day (200%)  
 \_\_\_ Next Day (100%)  
 \_\_\_ Two Day (50%)  
 \_\_\_ Three Day (25%)  
 Date Results Needed:  
 Number of Containers

Packed on ice? N Y

Sample Information	Sample ID	Comp/Grab	Matrix	Depth	Date	Time	Number of Containers	Analysis/Container/Preservative					Sample Remarks	
	Talladega Brecon	<i>Comp</i>	WW		2/24/21	9:15AM		6	X	X	X	X		X

**Custody Seals received on:**  
*cooler(s)/Container(s)*

Living Water Services  
 Talladega Brecon Pollutant Scan  
 21-058-0028  
 22855  
 02-27-2021  
 13 37 51

Matrix\* SS - Soil/Solid GW - Groundwater WW - Wastewater SW - Surface Water DW - Drinking Water SLW - Solid Waste LQW - Liquid Waste  
 SOL - Solvent OI - Oil WI - Wipes PW - Process Water OT - Other (Describe) \_\_\_\_\_

pH \_\_\_\_\_ Temp *0-1 799*  
 Rainfall in Inches \_\_\_\_\_ Flow \_\_\_\_\_ Other *SLH*

Project Remarks **\*\* See Attached Analyte List for VOCs and SVOCs**

Custody Info	Relinquished by (Signature)		Date	Time	Received by (Signature)		Date	Time	Condition (Lab use only)	
	<i>[Signature]</i>	<i>[Signature]</i>	2/24/21	10:55AM	<i>[Signature]</i>	<i>[Signature]</i>	2/24/21	12:04		
	<i>[Signature]</i>	<i>[Signature]</i>	2/24/21	12:04	<i>[Signature]</i>	<i>[Signature]</i>	2/24/21	10:30		

Client signature implies acceptance of LRS Terms and Conditions, which can be viewed online at [www.lab-resource.com](http://www.lab-resource.com)

Relinquished: *[Signature]* 2/24/21 10:30  
 Received: *Summer Harrison* 2/24/21 10:30



*Volatile organic compounds*

Acrolein  
Acrylonitrile  
Benzene  
Bromoform  
Carbon tetrachloride  
Chlorobenzene  
Chlorodibromomethane  
Chloroethane  
2-chloroethylvinyl ether  
Chloroform  
Dichlorobromomethane  
1,1-dichloroethane  
1,2-dichloroethane  
Trans-1,2-dichloroethylene  
1,1-dichloroethylene  
1,2-dichloropropane  
1,3-dichloropropylene  
Ethylbenzene  
Methyl bromide  
Methyl chloride  
Methylene chloride  
1,1,2,2-tetrachloroethane  
Tetrachloroethylene  
Toluene  
1,1,1-trichloroethane  
1,1,2-trichloroethane  
Trichloroethylene  
Vinyl chloride

*Acid-extractable compounds*

P-chloro-m-cresol  
2-chlorophenol  
2,4-dichlorophenol  
2,4-dimethylphenol  
4,6-dinitro-o-cresol  
2,4-dinitrophenol  
2-nitrophenol  
4-nitrophenol  
Pentachlorophenol  
Phenol  
2,4,6-trichlorophenol  
*Base-neutral compounds*  
Acenaphthene  
Acenaphthylene  
Anthracene  
Benzidine  
Benzo(a)anthracene  
Benzo(a)pyrene  
3,4 benzofluoranthene  
Benzo(ghi)perylene  
Benzo(k)fluoranthene  
Bis (2-chloroethoxy) methane  
Bis (2-chloroethyl) ether  
Bis (2-chloroisopropyl) ether  
Bis (2-ethylhexyl) phthalate  
4-bromophenyl phenyl ether  
Butyl benzyl phthalate  
2-chloronaphthalene  
4-chlorophenyl phenyl ether

*Chrysene*

Di-n-butyl phthalate  
Di-n-octyl phthalate  
Dibenzo(a,h)anthracene  
1,2-dichlorobenzene  
1,3-dichlorobenzene  
1,4-dichlorobenzene  
3,3-dichlorobenzidine  
Diethyl phthalate  
Dimethyl phthalate  
2,4-dinitrotoluene  
2,6-dinitrotoluene  
1,2-diphenylhydrazine  
Fluoranthene  
Fluorene  
Hexachlorobenzene  
Hexachlorobutadiene  
Hexachlorocyclopentadiene  
Hexachloroethane  
Indeno(1,2,3-cd)pyrene  
Isophorone  
Naphthalene  
Nitrobenzene  
N-nitrosodi-n-propylamine  
N-nitrosodimethylamine  
N-nitrosodiphenylamine  
Phenanthrene  
Pyrene  
1,2,4,-trichlorobenzene



## LRS, Inc.

Laboratory Resources & Solutions, Inc.

P.O. Box 1260

205 6th Avenue

Ashville, AL 35953

(205) 594-1445

[www.lab-resource.com](http://www.lab-resource.com)

# Analytical Data Report

Client: **Living Water Services**

5800 Feldspar Way  
Birmingham, AL 35244

Attention: Ms. Misty Wisener

Project ID: **Talladega Brecon Pollutant Scan (March 29, 2021)**

Laboratory Report Number: **21-089-0152**

Report Date: April 9, 2021

Data Reviewed by:

*Wayne J. Gaston*

**Wayne Gaston**

Project Manager

Laboratory Resources & Solutions, Inc.

[wgaston@lab-resource.com](mailto:wgaston@lab-resource.com)

- Unless otherwise noted, all analysis on this report performed at Waypoint Analytical, Inc., 2790 Whitten Road, Memphis, TN 38133. NELAC #460181
- These results relate only to the items tested. This report may only be reproduced in full.
- Local support services for this project are provided by Laboratory Resources & Solutions, Inc. (LRS). All questions regarding this report should be directed to LRS, Inc. at (205) 594-1445.

4/6/2021

Living Water Services  
Ms. Misty Wisener  
5800 Feldspar Way  
Birmingham, AL, 35244

Ref: Analytical Testing  
Lab Report Number: 21-089-0152  
Client Project Description: Talladega Brecon Pollutant Scan  
Talladega, AL

Dear Ms. Misty Wisener:

Waypoint Analytical, LLC. received sample(s) on 3/30/2021 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

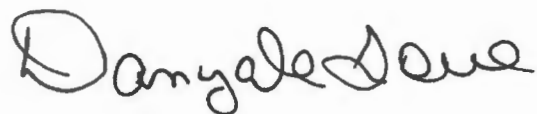
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule August 2017) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Danyale Love  
Project Manager

*Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.*





## Certification Summary

### Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/28/2022
Arkansas	State Program	88-0650	02/07/2022
California	State Program	2904	06/30/2021
Florida	State Program - NELAP	E871157	06/30/2021
Georgia	State Program	C044	02/18/2023
Georgia	State Program	04015	06/30/2021
Illinois	State Program - NELAP	200078	10/10/2021
Kentucky	State Program	80215	06/30/2021
Kentucky	State Program	KY90047	12/31/2021
Louisiana	State Program - NELAP	LA037	12/31/2021
Louisiana	State Program - NELAP	04015	06/30/2021
Mississippi	State Program	MS	02/11/2023
North Carolina	State Program	415	12/31/2021
Oklahoma	State Program	9311	08/31/2021
Pennsylvania	State Program - NELAP	68-03195	05/31/2021
South Carolina	State Program	84002	06/30/2021
South Carolina	State Program	84002	06/30/2021
Tennessee	State Program	02027	02/11/2023
Tennessee	A2LA ISO 17025:2017	4313.01	10/31/2021
Texas	State Program - NELAP	T104704180	09/30/2021
Virginia	State Program	00106	06/30/2021
Virginia	State Program - NELAP	460181	09/14/2021



2790 Whitten Road, Memphis, TN 38133  
Main 901.213.2400 ° Fax 901.213.2440  
[www.waypointanalytical.com](http://www.waypointanalytical.com)

**Sample Summary Table**

**Report Number:** 21-089-0152  
**Client Project Description:** Talladega Brecon Pollutant Scan  
Talladega, AL

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
92788	Talladega Brecon	Aqueous	03/29/2021 09:05	03/30/2021



---

Client: Living Water Services  
Project: Talladega Brecon Pollutant Scan  
Lab Report Number: 21-089-0152  
Date: 4/6/2021

**CASE NARRATIVE**

---

**Semivolatile Organic Compounds - GC/MS Method 625.1**

Analyte: 4,6-Dinitro-2-methylphenol

QC Batch No: L545572/L545349

Recovery for the LCS exceeded the upper acceptance limit. However, all sample results associated with the batch are below the MQL, so this high bias had no impact upon the client data. The results are considered to be acceptable.

22855

Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan

Information : Talladega, AL

Report Date : 04/06/2021  
 Received : 03/30/2021

Report Number : **21-089-0152**

**REPORT OF ANALYSIS**

Lab No : **92788**

Matrix: **Aqueous**

Sample ID : **Talladega Brecon**

Sampled: **3/29/2021 9:05**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Cyanide, Total	<0.005	mg/L	0.005	1	04/05/21 11:30	FMM	4500CNE-2011
Phenols (Total)	<0.050	mg/L	0.050	1	04/05/21 11:30	CLP	EPA-420.1
Antimony	<0.0100	mg/L	0.0100	1	04/02/21 21:31	TJS	EPA-200.7
Arsenic	<0.0100	mg/L	0.0100	1	04/05/21 21:37	TJS	EPA-200.7
Beryllium	<0.0010	mg/L	0.0010	1	04/02/21 21:31	TJS	EPA-200.7
Cadmium	<0.0020	mg/L	0.0020	1	04/02/21 21:31	TJS	EPA-200.7
Calcium	<b>24.5</b>	mg/L	0.500	1	04/02/21 21:31	TJS	EPA-200.7
Chromium	<0.0050	mg/L	0.0050	1	04/05/21 21:37	TJS	EPA-200.7
Copper	<0.0050	mg/L	0.0050	1	04/02/21 21:31	TJS	EPA-200.7
Hardness as CaCO3(SM-2340B)	<b>106</b>	mg/L	0.100	1	04/02/21 21:31		EPA-200.7
Lead	<0.0060	mg/L	0.0060	1	04/02/21 21:31	TJS	EPA-200.7
Magnesium	<b>11.0</b>	mg/L	0.100	1	04/02/21 21:31	TJS	EPA-200.7
Mercury	<0.00020	mg/L	0.00020	1	04/02/21 12:25	DDB	EPA-245.1
Nickel	<0.0050	mg/L	0.0050	1	04/02/21 21:31	TJS	EPA-200.7
Selenium	<0.0100	mg/L	0.0100	1	04/02/21 21:31	TJS	EPA-200.7
Silver	<0.0050	mg/L	0.0050	1	04/02/21 21:31	TJS	EPA-200.7
Thallium	<0.0200	mg/L	0.0200	1	04/02/21 21:31	TJS	EPA-200.7
Zinc	<b>0.0256</b>	mg/L	0.0200	1	04/02/21 21:31	TJS	EPA-200.7

**Qualifiers/  
 Definitions**

DF Dilution Factor  
 MQL Method Quantitation Limit

L Limit Exceeded





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 www.waypointanalytical.com

22855  
 Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan  
 Information : Talladega, AL

Report Date : 04/06/2021  
 Received : 03/30/2021

Report Number : **21-089-0152**

**REPORT OF ANALYSIS**

Lab No : **92788**  
 Sample ID : **Talladega Brecon**

Matrix: **Aqueous**  
 Sampled: **3/29/2021 9:05**

**Analytical Method:** 624.1      **Prep Batch(es):** L545333 04/02/21 20:28  
**Prep Method:** 624.1

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acrolein	<20.0	µg/L	20.0	1	04/03/21 03:54	HRS	L545345
Acrylonitrile	<20.0	µg/L	20.0	1	04/03/21 03:54	HRS	L545345
Benzene	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
Bromodichloromethane	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
Bromoform	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
Bromomethane	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
Carbon Tetrachloride	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
Chlorobenzene	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
Chlorodibromomethane	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
Chloroethane	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
2-Chloroethylvinyl Ether	<5.00	µg/L	5.00	1	04/03/21 03:54	HRS	L545345
Chloroform	<b>8.25</b>	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
Chloromethane	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
1,1-Dichloroethane	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
1,2-Dichloroethane	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
1,1-Dichloroethene	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
trans-1,2-Dichloroethene	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
1,2-Dichloropropane	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
cis-1,3-Dichloropropene	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
trans-1,3-Dichloropropene	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
1,3-Dichloropropene (Total)	<1.00	µg/L	1.00	1	04/03/21 03:54		L545345
Ethylbenzene	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345

**Qualifiers/**      DF      Dilution Factor      MQL      Method Quantitation Limit  
**Definitions**

22855  
 Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan  
 Information : Talladega, AL

Report Date : 04/06/2021  
 Received : 03/30/2021

Report Number : 21-089-0152

**REPORT OF ANALYSIS**

Lab No : 92788  
 Sample ID : Talladega Brecon

Matrix: Aqueous  
 Sampled: 3/29/2021 9:05

**Analytical Method:** 624.1      **Prep Batch(es):** L545333 04/02/21 20:28  
**Prep Method:** 624.1

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methylene Chloride	<10.0	µg/L	10.0	1	04/03/21 03:54	HRS	L545345
1,1,2,2-Tetrachloroethane	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
Tetrachloroethene	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
Toluene	<5.00	µg/L	5.00	1	04/03/21 03:54	HRS	L545345
1,1,1-Trichloroethane	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
1,1,2-Trichloroethane	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
Trichloroethene	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
Vinyl Chloride	<1.00	µg/L	1.00	1	04/03/21 03:54	HRS	L545345
Surrogate: 4-Bromofluorobenzene	103		Limits: 71-131%	1	04/03/21 03:54	HRS	L545345
Surrogate: Dibromofluoromethane	102		Limits: 70-128%	1	04/03/21 03:54	HRS	L545345
Surrogate: 1,2-Dichloroethane - d4	109		Limits: 67-136%	1	04/03/21 03:54	HRS	L545345
Surrogate: Toluene-d8	114		Limits: 70-130%	1	04/03/21 03:54	HRS	L545345

**Analytical Method:** 625.1      **Prep Batch(es):** L545349 04/05/21 10:30  
**Prep Method:** 625.1

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acenaphthene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
Acenaphthylene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
Anthracene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
Benidine	<20.0	µg/L	20.0	1	04/05/21 21:14	BGV	L545572
Benzo(a)anthracene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
Benzo(a)pyrene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572

**Qualifiers/Definitions**      DF      Dilution Factor      MQL      Method Quantitation Limit

22855  
 Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan  
 Information : Talladega, AL

Report Date : 04/06/2021  
 Received : 03/30/2021

Report Number : **21-089-0152**

**REPORT OF ANALYSIS**

Lab No : **92788**  
 Sample ID : **Talladega Brecon**

Matrix: **Aqueous**  
 Sampled: **3/29/2021 9:05**

**Analytical Method:** 625.1      **Prep Batch(es):** L545349 04/05/21 10:30  
**Prep Method:** 625.1

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
Benzo(b)fluoranthene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
Benzo(g,h,i)perylene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
Benzo(k)fluoranthene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
Bis(2-Chloroethoxy)methane	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Bis(2-Chloroethyl)ether	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Bis(2-Chloroisopropyl)ether	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Bis(2-ethylhexyl)phthalate	<10.0	µg/L	10.0	1	04/05/21 21:14	BGV	L545572
4-Bromophenyl phenyl ether	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Butyl benzyl phthalate	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
4-Chloro-3-methylphenol	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
2-Chloronaphthalene	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
2-Chlorophenol	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
4-Chlorophenyl phenyl ether	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Chrysene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
Dibenz(a,h)anthracene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
1,2-Dichlorobenzene	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
1,3-Dichlorobenzene	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
1,4-Dichlorobenzene	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
3,3'-Dichlorobenzidine	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
2,4-Dichlorophenol	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Diethyl phthalate	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Dimethyl phthalate	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572

**Qualifiers/  
 Definitions**

DF

Dilution Factor

ML

Method Quantitation Limit

22855

Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan  
 Information : Talladega, AL

Report Date : 04/06/2021  
 Received : 03/30/2021

Report Number : **21-089-0152**

**REPORT OF ANALYSIS**

Lab No : **92788**  
 Sample ID : **Talladega Brecon**

Matrix: **Aqueous**  
 Sampled: **3/29/2021 9:05**

**Analytical Method:** 625.1      **Prep Batch(es):** **L545349** 04/05/21 10:30  
**Prep Method:** 625.1

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Batch
2,4-Dimethylphenol	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Di-n-butyl phthalate	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
4,6-Dinitro-2-methylphenol	<10.0	µg/L	10.0	1	04/05/21 21:14	BGV	L545572
2,4-Dinitrophenol	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
2,4-Dinitrotoluene	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
2,6-Dinitrotoluene	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Di-n-Octyl Phthalate	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
1,2-Diphenylhydrazine/Azobenzene	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Fluoranthene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
Fluorene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
Hexachlorobenzene	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Hexachlorobutadiene	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Hexachlorocyclopentadiene	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Hexachloroethane	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Indeno(1,2,3-cd)pyrene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
Isophorone	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Naphthalene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
Nitrobenzene	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
2-Nitrophenol	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
4-Nitrophenol	<10.0	µg/L	10.0	1	04/05/21 21:14	BGV	L545572
N-Nitrosodimethylamine	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
N-Nitrosodiphenylamine	<10.0	µg/L	10.0	1	04/05/21 21:14	BGV	L545572

**Qualifiers/  
Definitions**

DF

Dilution Factor

ML

Method Quantitation Limit





2790 Whitten Road, Memphis, TN 38133  
 Main 901.213.2400 ° Fax 901.213.2440  
 www.waypointanalytical.com

22855  
 Living Water Services  
 Ms. Misty Wisener  
 5800 Feldspar Way  
 Birmingham , AL 35244

Project Talladega Brecon Pollutant Scan  
 Information : Talladega, AL

Report Date : 04/06/2021  
 Received : 03/30/2021

Report Number : **21-089-0152**

**REPORT OF ANALYSIS**

Lab No : **92788**  
 Sample ID : **Talladega Brecon**

Matrix: **Aqueous**  
 Sampled: **3/29/2021 9:05**

**Analytical Method:** 625.1                      **Prep Batch(es):** **L545349** 04/05/21 10:30  
**Prep Method:** 625.1

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Batch
N-Nitroso-di-n-propylamine	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Pentachlorophenol	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Phenanthrene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
Phenol	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Pyrene	<2.00	µg/L	2.00	1	04/05/21 21:14	BGV	L545572
1,2,4-Trichlorobenzene	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
2,4,6-Trichlorophenol	<5.00	µg/L	5.00	1	04/05/21 21:14	BGV	L545572
Surrogate: 2-Fluorobiphenyl	44.8		Limits: 30-107%	1	04/05/21 21:14	BGV	L545572
Surrogate: 2-Fluorophenol	19.4		Limits: 8-88%	1	04/05/21 21:14	BGV	L545572
Surrogate: Nitrobenzene-d5	47.9		Limits: 29-105%	1	04/05/21 21:14	BGV	L545572
Surrogate: Phenol-d6	13.3		Limits: 7-58%	1	04/05/21 21:14	BGV	L545572
Surrogate: 4-Terphenyl-d14	48.5		Limits: 30-130%	1	04/05/21 21:14	BGV	L545572
Surrogate: 2,4,6-Tribromophenol	55.7		Limits: 16-138%	1	04/05/21 21:14	BGV	L545572

Qualifiers/ Definitions	DF	Dilution Factor	MQL	Method Quantitation Limit
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**Shipment Receipt Form**

Customer Number: **22855**

Customer Name: **Living Water Services**

Report Number: **21-089-0152**

**Shipping Method**

Fed Ex       US Postal       Lab       Other :   
 UPS       Client       Courier      Thermometer ID:

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Number of coolers/boxes received	<input type="text" value="1"/>		
Custody seals intact on shipping container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Not Present
Custody seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Present
Chain of Custody (COC) present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC properly completed	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper containers?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample containers intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample volume for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within holding time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler temperature in compliance?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Water - Sample containers properly preserved	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Water - VOA vials free of headspace	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> N/A
Trip Blanks received with VOAs	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> N/A
Soil VOA method 5035 – compliance criteria met	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
<input type="checkbox"/> High concentration container (48 hr)		<input type="checkbox"/> Low concentration EnCore samplers (48 hr)	
<input type="checkbox"/> High concentration pre-weighed (methanol -14 d)		<input type="checkbox"/> Low conc pre-weighed vials (Sod Bis -14 d)	
Special precautions or instructions included?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Comments:

Signature:

Date & Time:



**Billing Information:**

**Laboratory Resources and Solutions, Inc.**  
 P.O. Box 1260  
 205 6th Avenue  
 Ashville, Alabama 35953  
 (205) 594-1445



**LRS Client Information:**

**Living Water Services**  
 5800 Feldspar Way  
 Birmingham, AL 35244

"Report to" Contact

**Misty Wisener**

**Analysis/Container/Preservative**

Total Metals E200.7/245.1 (One 250-mL HDPE, HNO3-pres)  
 Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Ti, Zn  
 Hardness as CaCO3 SM2340B  
 Total Cyanide SM4500CN (One 250-mL HDPE, NaOH-pres)  
 Total Phenols E420.1 (One 1-liter amber glass, H2SO4-pres)  
 \*\*Total VOCs E624.1 (Two 40-mL VOA vials, HCl-preserved)  
 \*\*Total SVOCs E625.1 (One 1-liter amber glass, non-preserv)

**Laboratory Resources and Solutions, Inc.**  
 A Laboratory Service Provider



Laboratory:

Waypoint -  
 Memphis

Sample Remarks

**Project Name: Talladega Brecon Pollutant Scan**

City/State collected

Talladega Alabama

P.O. #

Collected by  
 Tyler McHeller

Client Project #

Collected by (Signature)

Project Turnaround (Begins on Lab Login Date)

**RUSH?** Please Notify LRS  
 \_\_\_ Same Day (200%)  
 \_\_\_ Next Day (100%)  
 \_\_\_ Two Day (50%)  
 \_\_\_ Three Day (25%)

Date Results Needed:

Number of Containers

Packed on Ice? N Y

Sample ID	Comp/Grab	Matrix	Depth	Date	Time	Number of Containers	Analysis/Container/Preservative					Sample Remarks
							Total Metals E200.7/245.1	Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Ti, Zn	Hardness as CaCO3 SM2340B	Total Cyanide SM4500CN	Total Phenols E420.1	
Talladega Brecon	Comp	WW		3/29/21	9:05AM	6	X	X	X	X	X	

21-089-0152  
 22855  
 03-30-2021  
 16 57 43  
 Living Water Services  
 Talladega Brecon Pollutant Scan

Custody Seals  
 received on:

Cooler(s)/Container(s)

Matrix\* SS - Soil/Solid GW - Groundwater WW - Wastewater SW - Surface Water DW - Drinking Water SLW - Solid Waste LQW - Liquid Waste  
 SOL - Solvent OI - Oil WI - Wipes PW - Process Water OT - Other (Describe) \_\_\_\_\_ pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Project Remarks \*\* See Attached Analyte List for VOCs and SVOCs Rainfall in Inches \_\_\_\_\_ Flow \_\_\_\_\_ Other \_\_\_\_\_

Custody info	Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time	Condition (Lab use only)
		3/29/21	09:05AM		3/29/21	10:05	
		3/29/21	1:35		3/29/21	1:35	
		3/29/21	1:00		03/30/2021	09:30	Bottles Received: 2-8°C T100 (TD) pH Checked: NCF

Client signature implies acceptance of LRS Terms and Conditions, which can be viewed online at [www.lab-resource.com](http://www.lab-resource.com)

*• Volatile organic compounds*

Acrolein  
Acrylonitrile  
Benzene  
Bromoform  
Carbon tetrachloride  
Chlorobenzene  
Chlorodibromomethane  
Chloroethane  
2-chloroethylvinyl ether  
Chloroform  
Dichlorobromomethane  
1,1-dichloroethane  
1,2-dichloroethane  
Trans-1,2-dichloroethylene  
1,1-dichloroethylene  
1,2-dichloropropane  
1,3-dichloropropylene  
Ethylbenzene  
Methyl bromide  
Methyl chloride  
Methylene chloride  
1,1,2,2-tetrachloroethane  
Tetrachloroethylene  
Toluene  
1,1,1-trichloroethane  
1,1,2-trichloroethane  
Trichloroethylene  
Vinyl chloride

*Acid-extractable compounds*

P-chloro-m-cresol  
2-chlorophenol  
2,4-dichlorophenol  
2,4-dimethylphenol  
4,6-dinitro-o-cresol  
2,4-dinitrophenol  
2-nitrophenol  
4-nitrophenol  
Pentachlorophenol  
Phenol  
2,4,6-trichlorophenol  
*Base-neutral compounds*  
Acenaphthene  
Acenaphthylene  
Anthracene  
Benzidine  
Benzo(a)anthracene  
Benzo(a)pyrene  
3,4 benzofluoranthene  
Benzo(ghi)perylene  
Benzo(k)fluoranthene  
Bis (2-chloroethoxy) methane  
Bis (2-chloroethyl) ether  
Bis (2-chloroisopropyl) ether  
Bis (2-ethylhexyl) phthalate  
4-bromophenyl phenyl ether  
Butyl benzyl phthalate  
2-chloronaphthalene  
4-chlorophenyl phenyl ether

Chrysene  
Di-n-butyl phthalate  
Di-n-octyl phthalate  
Dibenzo(a,h)anthracene  
1,2-dichlorobenzene  
1,3-dichlorobenzene  
1,4-dichlorobenzene  
3,3-dichlorobenzidine  
Diethyl phthalate  
Dimethyl phthalate  
2,4-dinitrotoluene  
2,6-dinitrotoluene  
1,2-diphenylhydrazine  
Fluoranthene  
Fluorene  
Hexachlorobenzene  
Hexachlorobutadiene  
Hexachlorocyclopentadiene  
Hexachloroethane  
Indeno(1,2,3-cd)pyrene  
Isophorone  
Naphthalene  
Nitrobenzene  
N-nitrosodi-n-propylamine  
N-nitrosodimethylamine  
N-nitrosodiphenylamine  
Phenanthrene  
Pyrene  
1,2,4,-trichlorobenzene





**SEWER USE REGULATIONS  
OF  
THE WATER AND SEWER BOARD  
OF  
THE CITY OF TALLADEGA, ALABAMA**

REGULATIONS TO PROVIDE FOR THE OPERATION, MAINTENANCE AND MANAGEMENT OF THE SEWERAGE SYSTEM (WASTE WATER COLLECTION AND TREATMENT SYSTEM) (POTW) OF THE WATER AND SEWER BOARD OF THE CITY OF TALLADEGA, TALLADEGA COUNTY, ALABAMA, AND TO REGULATE AND CONTROL DISCHARGE OF WASTEWATERS INTO THE SEWERAGE SYSTEM OF THE WATER AND SEWER BOARD OF THE CITY OF TALLADEGA, ALABAMA.

THE WATER AND SEWER BOARD OF THE CITY OF TALLADEGA, ALABAMA DOES HEREBY ADOPT THE FOLLOWING SEWER USE REGULATIONS.

**SECTION 1 GENERAL PROVISIONS**

**Section 1.01**

These Regulations are adopted for the purposes of regulating and controlling the discharge of wastewaters into the Sewerage System of the Water and Sewer Board of the City of Talladega, Alabama, to set forth uniform requirements for Users of the Sewerage System of the Board, and to enable the Board to comply with all applicable State and Federal laws required by the Clean Water Act of 1977 (P.L. 95-217) as amended, the General Pretreatment Regulations (40 CFR Part 403) and the Alabama Water Pollution Control Act (Code of Alabama 1975, Section 22-22-1 et seq.). These Regulations provide for the regulation of Users of the Sewerage System through the execution of contracts with certain non-domestic Users and through enforcement of general requirements for all Users, authorize monitoring and enforcement activities, require User reporting, assure that existing customers' capacities will not be preempted and provide for the setting of fees for the equitable distribution of costs resulting from the program established herein. These Regulations shall apply to all persons who are Users of the Sewerage System of the Board. Except as otherwise provided herein, the Water and Sewer Board of the City of Talladega, Alabama shall administer, implement and enforce the provisions of these Regulations. The objectives of these Regulations are:

- 1.01.01 To prevent the introduction of pollutants into the Sewerage System which will interfere with the operation of the Sewerage or contaminate the resulting sludge.
- 1.01.02 To prevent the introduction of pollutants into the Sewerage System, which will pass through the Sewerage System, inadequately treated, into receiving waters or the atmosphere or otherwise be incompatible with the operation of the Sewerage System.
- 1.01.03 To improve the opportunity to recycle and reclaim wastewaters and sludge's from the Wastewater Treatment Plants.
- 1.01.04 To provide for equitable distribution of the costs attributable to the construction, operation and maintenance of the Sewerage System.
- 1.01.05 To define areas of responsibility and procedures for joint management of the Alabama Industrial Wastewater Pretreatment Program as it applies to the Sewerage System of The Board by the Alabama Department of Environmental Management and the Water and Sewer Board of the City of Talladega, Alabama.

Section 1.02

The following abbreviations shall have the designated meanings:

- 1.02.01     ADEM     (The) Alabama Department of Environmental Management
- 1.02.02     BOD        Biochemical Oxygen Demand.
- 1.02.03     CFR         Code of Federal Regulations.
- 1.02.05     COD         Chemical Oxygen Demand.
- 1.02.06     EPA         (The) U.S. Environmental Protection Agency.
- 1.02.07     l             Liter.
- 1.02.08     mg          Milligrams.
- 1.02.09     NP DES     National Pollutant Discharge Elimination System.
- 1.02.10     O & M        Operation and Maintenance.
- 1.02.11     OSHA        Occupational Safety and Health Administration.

<u>1.02.12</u>	<u>P. L.</u>	Public Law.
<u>1.02.13</u>	<u>POTW</u>	Publicly Owned Treatment Works.
<u>1.02.14</u>	<u>SWDA</u>	(The) Solid Waste Disposal Act.
<u>1.02.15</u>	<u>SIU</u>	Significant Industrial User.
<u>1.02.16</u>	<u>SID Permit</u>	State Indirect Discharge Permit.
<u>1.02.17</u>	<u>SS</u>	Suspended Solids.
<u>1.02.18</u>	<u>USC</u>	United States Code.

**Section 1.03** The following words, terms and phrases, wherever used in these Regulations, shall have the meanings respectively ascribed to them in this section unless the context plainly indicates otherwise or that a more restricted or extended meaning is intended.

**1.03.01** **Accidental Discharge** Any release of wastewater which, for any reason, fails to comply with any prohibition or limitation in these Regulations.

**1.03.02** **Act or "the Act"** The Federal Water Pollution Control Act, (P.L. 92-500) as amended by the Clean Water Act of 1977 (P.L. 95-217) and as further amended (33 USC Paragraph 1251 ET. Seq.).

**1.03.03** **Approval Authority** The Director of the Alabama Department of Environmental Management (ADEM).

**1.03.04** **Authorized Representative of Industrial User** An authorized representative of an Industrial User shall be:

**1.03.04.01** A principal executive officer of at least the level of vice-president if the Industrial User is a corporation.

**1.03.04.02** A general partner or proprietor if the Industrial User is a partnership or proprietorship, respectively.

**1.03.04.03** A duly authorized representative of the individual designated above if such representative is responsible for the overall operation of the facilities from which the indirect discharge originates.

**1.03.05** **Biochemical Oxygen Demand or BOD** The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedures in five (5) days at 20 degrees C (68 degrees F) expressed in terms of weight and volume (milligrams per liter).

- 1.03.06      Board The Water and Sewer Board of the City of Talladega, Alabama.
- 1.03.07      Building Sewer or House Connection The connecting pipe from a building to the sanitary sewer.
- 1.03.08      Categorical Standard National Categorical Pretreatment Standard or Pretreatment Standard.
- 1.03.09      City The City of Talladega, Alabama.
- 1.03.10      Color Considered to be the true color of the light transmitted by a waste solution after removing suspended material including pseudocolloidal particles.
- 1.03.11      Combined Sewer A sewer receiving both surface runoff and wastewater. Combined sewers are not permitted by ADEM policy.
- 1.03.12      Constituents The specific compounds and components, which comprise the wastewater.
- 1.03.13      Control Authority The approval authority defined hereinabove. The term "Control Authority" shall also apply to the Board as defined hereinafter as per Memorandum of Agreement between the Alabama Department of Environmental Management and the Board.
- 1.03.14      Cooling Water The water discharged from any use such as air conditioning, cooling or refrigeration, or to which the only pollutant added is heat.
- 1.03.15      Direct Discharge The discharge of treated or untreated wastewater directly to the waters of the State of Alabama.
- 1.03.16      Domestic Wastewater All liquid and waterborne pollutants, exclusive of unpolluted water as defined in Section 1.03.60, or wastewater or wastes from processes or operations of Industrial Users as defined in Section 1.03.22.
- 1.03.17      Environmental Protection Agency or EPA The U.S. Environmental Protection Agency or, where appropriate, the term may also be used as a designation for the Administrator or other duly authorized official of said Agency.
- 1.03.18      Flammable Shall be as defined in Section 5.03.01.



- 1.03.19      **Grab Sample** A sample which is taken from a waste stream on a one-time basis with no regard to the flow in the waste stream and without consideration of time.
- 1.03.20      **Holding Tank Waste** Any waste from holding tanks such as vessels, chemical toilets, campers, trailers, septic tanks, vacuum-pump tank trucks and septic tank haulers.
- 1.03.21      **Indirect Discharge** The discharge or the introduction of non-domestic pollutants from any source regulated under Section 307(b) or (c) of the Act into the Sewerage System (including holding tank waste discharged into the Sewerage System).
- 1.03.22      **Industrial User** Any user of the Sewerage System who is a source of Indirect Discharge which does not constitute a “discharge of pollutants” under regulations issued pursuant to Section 402 of the Act. (A User who discharges Industrial Waste into the Sewerage System.)
- 1.03.23      **Industrial Waste** The liquid or other wastes resulting from any process of industry, manufacture, trade or business or from the development of natural resources.
- 1.03.24      **Infiltration** The water entering sewers and building sewer connections from the soil through defective joints, broken or cracked pipe, improper connections, manhole walls, etc. Infiltration does not include, and is distinguished from, inflow.
- 1.03.25      **Inflow** The water discharged into sewer lines from such sources as roof leaders, cellar and yard area drains, foundation drains, commercial and industrial discharges of Unpolluted Wastewater as defined in Section 1.03.60, drains from springs and swampy areas, etc. It does not include and is distinguished from infiltration.
- 1.03.26      **Interference** The inhibition or disruption of the wastewater treatment processes or operations, or acts or discharges, which may cause damage to any portion of the Sewerage System and/or which contribute to a violation of any requirement of the Talladega NPDES Permits. The term includes interference with sewage sludge use or disposal in accordance with Section 405 of the Act or any criteria, guidelines or regulations developed pursuant to the SWDA (P.L. 89-272 as Amended), the Clean Air Act, (P.L. 91-604 as Amended) or more stringent State criteria (including those contained in any State sludge management plan prepared pursuant to Title IV of the SWDA) applicable to the method of disposal or use employed by the Sewerage System.

- 1.03.27 **Manager** The chief administrative officer of the Board who is charged with administrative control of all operations of the Board and is responsible directly to the Board. As used herein, it may also include any other Board employee delegated to act for the Board by the Manager or by the Board.
- 1.03.28 **National Categorical Pretreatment Standard, Categorical Pretreatment Standard or Pretreatment Standard** Any regulation containing pollutant Discharge limits promulgated by EPA in accordance with Sections 307 (b) And (c) of the Act which apply to a specific category of Industrial Users.
- 1.03.29 **National Pollutant Discharge Elimination System or NPDES Permit** A permit to discharge wastewater issued pursuant to Section 402 of the Act.
- 1.03.30 **New Source** Any source, the construction of which is commenced after the adoption of these Regulations or the publication of proposed regulations regulations prescribing a Section 307 (c) Categorical Pretreatment Standard which will be applicable to such source, if such Standard is thereafter promulgated within 120 days of proposal, a New Source means any source, the construction of which is commenced after the date of promulgation of the Standard.
- 1.03.31 **Normal Waste** A waste average concentrations of 300 milligrams per liter of of BOD, or less, and 300 milligrams per liter of suspended solids, or less, as determined by samples taken before entering the Sewerage System.
- 1.03.32 **Person** Any individual, firm company, association, corporation, governmental agency, board, commission or municipal corporation other than the Water and Sewer Board of the City of Talladega, Alabama.
- 1.03.33 **pH** The logarithm of the reciprocal of the concentration of hydrogen ions in moles per liter of solution. Stabilized pH is that determined after a sample of waste has been subjected to natural aeration.
- 1.03.34 **Pollution** The man-made or man-induced alteration of the chemical, physical, biological and/or radiological integrity of water.
- 1.03.35 **Pollutant** Any solid waste, chemical waste, biological material, radioactive material, thermal waste or industrial, municipal or agricultural waste discharged into water.
- 1.03.36 **Pretreatment** The reduction of the amounts of pollutants, the elimination of pollutants, the alteration of the nature of pollutants, the alteration of the nature of pollutant properties in wastewater to a less harmful state prior to discharging or otherwise introducing such pollutants into the Sewerage System. The reduction or alteration can be obtained by physical, chemical



or biological processes, process changes or other means, except as prohibited by 40 CFR Section 403.6 (d).

- 1.03.37 Pretreatment Required** Any substantive or procedural requirement related to pretreatment, other than a National Categorical Pretreatment Standard, imposed on an Industrial User.
- 1.03.38 Private Wastewater Disposal System** Any facilities for wastewater treatment and disposal not maintained and operated by the Board.
- 1.03.39 Properly Shredded Garbage** The organic wastes resulting from the preparation, cooking and dispensing of foods that have been shredded to such degree that all particles will be carried freely under flow conditions normally prevailing in public sewers with no particle being greater than ½ inch in any dimension.
- 1.03.40 Public Sewer** A sewer in which all owners of abutting properties shall have equal rights and which is controlled by a governmental agency or public utility.
- 1.03.41 Publicly Owned Treatment Works or POTW** Treatment works as defined by Section 212 of the Act which are owned in this instance by the Water and Sewer Board of the City of Talladega, Alabama. This definition includes the Wastewater Treatment Plants and any sewers that convey wastewater to the Wastewater Treatment Plants (Sewerage System).
- 1.03.42 Receiving Stream** That body of water, stream or watercourse receiving the discharge from a Wastewater Treatment Plant or that body of water, stream or watercourse formed by the effluent from a Wastewater Treatment Plant.
- 1.03.43 Sanitary Sewage** Sewage excluding process wastes from Industrial Users.
- 1.03.44 Sanitary Sewer** A Public Sewer controlled by a governmental agency or public utility that carries liquid and waterborne wastes from residences, commercial buildings, industrial plants and institutions, together with minor quantities of ground and surface waters that are not intentionally admitted.
- 1.03.45 Sewage** A combination of waterborne wastes from residences and Industrial Users (Wastewater).
- 1.03.46 Sewer** A pipe or conduit for carrying wastewater.
- 1.03.47 Sewerage System** All facilities for collecting, pumping, treating, and disposing of wastewater (POTW).
- 1.03.48 Shall** "Shall is mandatory: "may" is permissible.

- 1.03.49 Significant Industrial User or SIU** Any Industrial User of the Talladega Sewerage System who:
- 1.03.49.01** Has a discharge flow of 25,000 gallons or more per average workday.
- 1.03.49.02** Has a discharge, which is greater than five percent (5%) of the hydraulic flow or organic design capacity of the Sewerage System serving the Industrial User.
- 1.03.49.03** Has a discharge, which contains toxic pollutants or Priority Pollutants as defined pursuant to Section 307 of the Act or Alabama Statutes and Rules and Regulations.
- 1.03.49.04** Is found by the Board, the Approval Authority, or EPA to have significant impact, either singly or in combination with other contributing industries, on the Sewerage System, the quality of sludge, the System's effluent quality or air emissions generated by the Sewerage System.
- 1.03.50** **Slug** Any discharge of water or wastewater for any duration during which the rate of flow or concentration of any constituent increases to such magnitude so as to adversely affect the operation of the Sewerage System or the ability of the Board's Wastewater Treatment Plants to meet applicable water quality objectives.
- 1.03.51** **Standard Industrial Classification or SIC** A classification of an industry based on its product or service pursuant to the Standard Industrial Classification Manual, 1972, Office of Management and Budget of the Federal Government, as amended.
- 1.03.52** **Standard Methods** The analytical procedures set forth in the latest edition of "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association or "EPA Methods for Chemical Analysis of Water and Wastes" as per 40 CFR Part 136 and amendments thereto.
- 1.03.53** **State** State of Alabama.
- 1.03.54** **Storm Sewer or Storm Drain** A sewer which carries storm and surface waters and surface waters and drainage but which excludes sanitary sewage and polluted industrial wastes.
- 1.03.55** **Storm Water** Any flow occurring during or following any form of natural precipitation and resulting there from.



**1.03.56** **Strength of Waste** The concentration of pollutants or substances contained in a liquid waste.

**1.03.57** **Suspended Solids** The total solid matter that either floats on the surface of or is suspended in water or liquid waste and which is removable by laboratory filtration.

**1.03.58** **Toxic Pollutant** Any Pollutant or combination of Pollutants listed as toxic in regulations promulgated by EPA under provisions of Section 307 (a) of the Act or by the State of Alabama.

**1.03.59** **Twenty-Four Hour, Flow Proportional Composite Sample or Composite Sample** A sample consisting of at least eight (8) portions collected during a twenty-four period or the total period of waste flow if less than twenty-four hours and in which the sample portions are collected proportionate to the flow and then combined into a single sample. Alternate sampling requirements may be established in a User's SID Permit and/or by the Control Authority.

**1.03.60** **Unpolluted Wastewater** Any wastewater which is substantially free of pollutants and is discharged from the following:

**1.03.60.01** Rain downspouts and drains.

**1.03.60.02** Footing drains.

**1.03.60.03** Storm and surface water drains.

**1.03.60.04** Cooling water systems.

Unpolluted wastewater shall contain, by definition, none of the following:

**1.03.60.05** BOD in excess of 10 mg/l.

**1.03.60.06** Suspended solids in excess of 10 mg/l.

**1.03.60.07** Free or emulsified greases or oils.

**1.03.60.08** Acids or alkalis.

**1.03.60.09** Phenols or other substances imparting taste or odor to receiving waters.

**1.03.60.10** Toxic or poisonous substances.

**1.03.60.11** Noxious or odorous gases.

1.03.60.12 **Any** wastewater with a temperature which exceeds 60 degrees C (140 deg F) at its introduction into a Storm Sewer or which exceeds 40 deg C (104 deg F) at its introduction into a receiving stream.

1.03.61 **User** Any person who contributes, causes or permits the contribution of wastewater into the Sewerage System.

1.03.62 **Board** The Water and Sewer Board of the City of Talladega, Alabama or, where appropriate, the term may also be used as a designation for the Manager or other duly authorized official of the Board.

1.03.63 **Wastewater Sewage.**

1.03.64 **Wastewater Treatment Plant(s)** The facilities of the Board for treating and disposing of wastewater.

1.03.65 **Watercourse** A channel in which a flow of water occurs, either continuously or intermittently.

1.03.66 **Waters of the State** All bodies or accumulations of water, surface or underground, within the boundaries of the State of Alabama.

1.04 Definitions include both the singular and the plural and all pronouns include both the singular and the plural and cover all genders.

## SECTION 2 USES OF PUBLIC SEWERS REQUIRED

Section 2.01 In accordance with provisions of the City of Talladega's Sewer Use Ordinance, it shall be unlawful for any person to discharge to any outlet other than a sanitary sewer, within the Corporate Limits of the City, any domestic or industrial wastes except where suitable treatment has been provided in accordance with subsequent provisions of these Regulations and where an appropriate NPDES Permit has been obtained from ADEM pursuant to Section 402 of the Act. The discharge of sanitary wastewater into the storm sewer is strictly prohibited.

2.02 The owner(s) of all houses, buildings or properties used for human occupancy, employment, recreation, or other purposes, situated within the City and abutting on any street, alley or right-of-way in which there is now located or may in the future be located directly adjacent to said property a public sanitary sewer of the Board with available capacity that discharges to any of the Talladega Wastewater Treatment Plants, is hereby required to install suitable toilet and other facilities therein necessary for the discharge of domestic and /or industrial wastes, is hereby required at the owner(s) expense to

connect such facilities directly with the proper public sanitary sewer in accordance with provisions of the Sewer Use Ordinance of the City and Section 4 of these Regulations within (90) days of the availability of the public sanitary sewer system provided the sanitary sewer system is within 100 feet of the property line. The use of privies, cesspools and septic tanks shall be permitted only on lots which public sewer service is not available within 100 feet of the property line.

2.03

The Board will accept wastewater flow from unincorporated areas that lies outside of the City limits of the City of Talladega but within the Planning Area as designated in the 201 Facility Plan for the City of Talladega, if, and when, such areas are served by the public sewer system. All provisions of these Regulations shall apply to customers in such unincorporated areas.

SECTION 3 PRIVATE WASTEWATER DISPOSAL

Section 3.01

Where a public sanitary sewer is not available under the provisions of Section 2.02, such toilet and other facilities necessary for the discharge of domestic and/or industrial wastes shall be connected to a private wastewater disposal system complying with the requirements of the State, Talladega County and/or the City. The City of Talladega shall have the authority to approve or reject private sewage disposal facilities in accordance with standards for installation of such facilities established by the City. The discharge of septic tank effluent or cesspool overflow to any open drain, ditch, stream or well-penetrating water bearing formations are strictly prohibited.

3.02

Holding tank wastes and septic tank wastes from private systems shall be discharged into the Sewerage System only under the following conditions:

3.02.01

No person owning vacuum-pump or septic tank trucks or other liquid waste transport trucks shall discharge directly or indirectly such wastewater into the Sewerage System unless such person shall first have applied for and received a Wastewater Haulers Discharge Permits shall complete such forms as required by the Board, pay appropriate fees and agree in writing to abide by the provisions of this Section and any special conditions or regulations established by the Board. The owners of such vehicles shall affix and display a permit on the side of each vehicle used for such purposes. Such permits shall be valid for a maximum period of one (1) year from date of issuance, provided that such permit shall be subject to revocation by the Board for violation of any provisions of this Section or reasonable regulation established by the Board. Such



permits shall be limited to the discharge of Sanitary Sewage containing no industrial waste. Pumpage from commercial grease traps is specifically prohibited from discharge into the Sewerage System. The Board shall designate the locations and times where such trucks may be discharged and may refuse to accept any truckload of waste at their absolute discretion where it appears that the waste could interfere with the effective operation of the Sewerage System.

3.02.02

No person shall discharge any other holding tank waste including industrial process wastes into the Sewerage System unless he shall have applied for and have been issued a permit by the Board. Unless otherwise allowed under the terms and conditions of the permit, a separate permit must be secured for each separate discharge. The permit shall state the specific location of discharge, the time of day the discharge is to occur, the volume of the discharge and shall limit the wastewater constituents and characteristics of the discharge. Such User shall pay any applicable charges or fees therefore and shall comply with the conditions of the permit issued by the Board.

3.02.03

No person shall operate a dumping station for the discharge of sanitary sewage from recreation vehicles into the Sewerage System unless the User of the dumping station has first applied for and received a Recreational Vehicle Dumping Station Permit from the Board. All applicants for Recreational Vehicle Dumping Station Permits shall complete such forms as required by the Board, pay appropriate fees and agree in writing to abide by the provisions of this Section and any special conditions or regulations established by the Board. These permits shall be issued only for approved facilities designed to receive Sanitary Sewage.

3.03

No statement contained in this Section shall be construed to interfere with any additional requirements that may be imposed by Federal or State agencies.

SECTION 4 BUILDING SEWERS, CONNECTION AND PERMITS

Section 4.01

No unauthorized person(s) shall uncover, make any connections with or opening into, use, or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the Board.

4.02

There shall be two classes of building sewer permits: (a) for residential and commercial service, and (b) State Indirect Discharge (SID) permits for service to establishments producing



industrial wastes. In either case, the owner or his agent shall make application in a special form furnished by the Board. The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgment of the Board. A permit and inspection fee of \$20 dollars for a residential or commercial building sewer permit and \$80 dollars for an industrial building sewer permit shall be paid to the Board at the time the application is filed.

- 4.02.01 All cost and expense incident to the installation and connection of the building sewer shall be borne by the owner of the building sewer. The owner shall indemnify the Board from any loss or damage they may directly or indirectly be occasionally by the installation of the building sewer.
- 4.02.02 A separate and independent building sewer shall be provided for every building; except where one building stands at the rear of another on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, Courtyard, driveway, and the building sewer from the front building may be extended to the rear building and the whole considered as one building sewer.
- 4.02.03 Old building sewers may be used in connection with new buildings only when they are found, on examination and test by the Superintendent, to meet all requirements of this resolution.
- 4.02.04 The size, slope, alignment, materials of construction of a building sewer, and the methods to be used in excavating, placing of the pipe, jointing, testing, and backfilling the trench, shall all conform to the requirements of the building and plumbing code or other applicable rules and regulations of the City. In the absence of code provisions or in amplifications thereof, the materials and procedures set forth in appropriate specifications of the A.S.T.M. and W.P.C.F. Manual of Practice No. 9 shall apply. In addition, all pertinent OSHA requirements shall be met in the construction of sewers and connections.
- 4.02.05 No person shall make connection of roof downspouts, exterior foundation drains, areaway drains, or other sources of surface runoff or groundwater to a building sewer or building drain which in turn is connected directly or indirectly to a public sanitary sewer. Any existing such connection found shall be disconnected and the building sewer repaired to the satisfaction of the Board.
- 4.02.06 Building sewers shall be of P.V.C. (SDR 35 or stiffer), extra

strength V.C., cast/Ductile iron, or C.I.S.P., and shall have minimum diameter of 4 inches. Building sewers with less than 2 feet of cover shall be iron. Larger diameter pipe may be required by the Superintendent if estimated flows so indicated. Minimum building sewer slope shall be 1/8 inch per foot, with ¼ inch per foot the normal slope. Fittings shall be designed for use with the pipe so grout joints are not necessary. "O" ring or gasket joints of P.V.C. or rubber shall be used. Clean outs shall be subject to approval by the Superintendent. Building sewers shall not be covered until approved in place, by the Superintendent. Building sewers shall be laid on a crushed stone base. Backfill shall be completed, in layers and graded to prevent entrance of surface water to the trench. The Superintendent may order concentrate protection of shallow building sewers.

4.03

Building Sewer Permits for all connections shall be obtained under these Regulations and in accordance with the requirements promulgated by the Board.

4.04

In addition to the requirements of Section 4.03, any person who, after the effective date of these Regulations, proposes to originate the discharge of any industrial waste for the first time into the Sewerage System or who proposes to make a significant change in the character or volume of any industrial waste theretofore discharged into the Sewerage System, shall make application to ADEM through the Board for an SID Permit and obtain a permit prior to connecting to the Sewerage System or making a significant change in his contribution thereto. The applications shall be supplemented by any information which may have been furnished by the applicant to any other governmental agency and by such other plans or other plans or other data as the Board may reasonably require for purposes of determining whether the qualifications are met as specified in Section 4.09.

4.05

A significant change in the character or volume of an industrial waste, for purposes of Section 4.04, shall be deemed to be proposed if substances, compounds and elements not previously constituting any part of a User's Industrial waste are to be introduced into such waste or if the average concentration of any substance, compound or element in the waste or average volume proposed to be discharged will cause a violation of any permit limitation. In case of doubt as to whether an intended change constitutes a significant change, it shall be the responsibility of the User intending to make such a change to make the necessary application or obtain a written ruling from the Board and ADEM that an application for an SID Permit is not required.



4.06 Any User who, on the effective date of these Regulations, is operating within the City and is a SIU within the meaning of Section 1.03.49 from which industrial waste is discharged into the Sewerage System (hereafter called "an existing Significant Industrial User") may continue such discharge until notified by the Board in writing that an SID Permit will be required and until an application has been submitted to and denied by the Board and ADEM in accordance with the following provisions:

4.06.01 The Board, after consultation with ADEM shall issue written notice to existing Significant Industrial Users (in such time sequence as it may determine in the light of the staff resources available to him for the processing of SID Permit applications) specifying in each such notice the time within an existing Significant Industrial User shall file application for an SID Permit.

4.06.02 Within the specified time limit, the existing SIU shall file the required application together with any other information, as described in Section 4.04.

4.06.03 An existing SIU may continue to discharge, after complying with the requirements to file an application for an SID Permit, unless and until receipt by the applicant of a written notice specifying the reasons for denial of an SID Permit and specifying what remedial action, if any, must be taken to qualify the applicant for a Permit.

4.07 Any User subject to a new National Categorical Pretreatment Standard shall apply for a new SID Permit within one hundred eighty (180) days after the promulgation of the applicable National Categorical Pretreatment Standard. SID Permits of Users subject to such Standards shall be issued or reissued in compliance with such Standards within the time frames prescribed by such Standards.

4.08 In any case, where a final determination has been made denying an SID Permit it shall be unlawful for any person so denied an SID Permit to discharge industrial waste into the Sewerage System.

4.09 An SID Permit will be issued or renewed by ADEM only when satisfactory information has been submitted to indicated that:

4.09.01 Sewerage System capacity is available for receiving the discharge of industrial waste at the proposed point of discharge.

- 4.09.02 The waste being discharged or proposed to be discharged is amenable to treatment by the processes employed in the Wastewater Treatment Plant receiving said wastewater and will not impair the ability of the City to comply with water quality standards of effluent standards established by the State or by Federal regulatory agencies.
- 4.09.03 The waste being discharged or proposed to be discharged will not cause damage to the Sewerage System including the wastewater treatment facilities, will not constitute a hazard to humans or animals and will not be capable of creating a public nuisance.
- 4.09.04 The concentrations of substances, compounds and elements in the waste being discharged or proposed to be discharged do not exceed limits established by the Board, State or Federal authorities.
- 4.09.05 Where the wastewater contains or may contain any substances, compounds or elements controlled or limited by these Regulations, an adequate program of self-monitoring of flow and wastewater characteristics will be established and maintained by the industry affected by these Regulations to assure that the discharge meets the requirements of these Regulations and any SID Permit conditions.
- 4.09.06 The SIU agrees to execute with the Board a "Contract for Discharge and Use of the Sewage System of the Water and Sewer Board of the City of Talladega, Alabama.
- 4.10 An SID Permit shall include all appropriate requirements of these Regulations and all other applicable regulations established by the Board and ADEM. SID Permits may contain the following:
- 4.10.01 Limits on the average and maximum wastewater constituents and characteristics. The Board or ADEM may impose mass limitations on Users, which are using dilution to meet applicable Pretreatment Standards or Requirements or in other cases where the imposition of mass limitations are appropriate.
- 4.10.02 Limits on average and maximum rates and time of discharge or requirements for flow regulations and equalization.
- 4.10.03 Requirements for installation and maintenance of inspection and/or sampling facilities.



- 4.10.04** Specifications for monitoring programs, which may include sampling locations, frequency of sampling, number, types and standards for tests and reporting schedules.
- 4.10.05** Compliance Schedules.
- 4.10.06** Requirements for submission of technical reports or discharge reports as per Section 10.
- 4.10.07** Requirements for maintaining and retaining plant records relating to wastewater discharges as specified by the Board and ADEM and affording the Board and ADEM access thereto.
- 4.10.08** Requirements for notification of the Board and ADEM of any new introduction of wastewater constituents or any substantial changes in the volume or character of the wastewater constituents being introduced into the Sewerage System.
- 4.10.09** Requirements for notification of Slug discharge as per Section 6 and 7.
- 4.10.10** Other conditions as deemed appropriate by the Board or ADEM to insure compliance with the requirements and purposes of these Regulations.
- 4.11** An SID Permit shall be issued for a specified time period, not to exceed five (5) years. The User shall apply for SID Permit reissuance a minimum of ninety (90) days prior to the expiration of the User's existing SID Permit. The Board reserves the right to recommend to ADEM changes in the SID Permit as limitations or requirements as identified in Section 5 are modified or other just cause exists. The terms and conditions of the SID Permit may be subject to modification by ADEM during the term of the SID Permit as limitations or requirements as identified in Section 5 are modified or other just cause exists. The User shall be informed of any proposed changes in his SID Permit at least thirty (30) days prior to the effective date of change. Any changes or new conditions in the SID Permit shall include a reasonable time schedule for compliance.
- 4.12** An SID Permit is issued to a specified User for a specific operation. An SID Permit shall not be reassigned or transferred or sold to a new owner, new User, different

premises or a new or changed operation without prior submission of applicable revisions to the application for the existing SID Permit and without the recommendation of the Board and approval by ADEM. Any succeeding owner or User shall comply with the terms and conditions of the existing SID Permit.

4.13 All building sewer installation shall be in accordance with provisions of the Sewer Use Ordinance of the City.

4.14 All construction activities shall conform to all applicable OSHA regulations.

## SECTION 5 EXCLUDED WASTES

Section 5.01 No user shall contribute or cause to be contributed, directly Or indirectly, any pollutant or wastewater which will interfere with the operation or performance of the Sewerage System. These general prohibitions apply to all such Users of the Sewerage System whether or not the User is subject to National Categorical Pretreatment Standards or any other National, State, or local Pretreatment Standards or Requirements.

5.02 No User shall discharge or deposit any of the following materials, waste materials, wastes, gases or liquids into any Sewer-forming part of the Sewerage System except where these may constitute occasional, intermittent inclusions in the wastewaters discharged from residential premises:

5.02.01 Any wastewater having a temperature which will inhibit biological activity in the Wastewater Treatment Plant receiving said wastewater or resulting in other interference with the treatment processes but, in no case, wastewater with a temperature which exceed 60 deg C (140 deg F) at its introduction into the Wastewater Treatment Plant receiving said wastewater.

5.02.02 Any water or waste containing more than 100 mg/l of fat, oil, or grease or other substances that will solidify or become viscous at temperature between 0 deg C (32 deg F) and 60 deg C (140 deg F).

5.02.03 Wastewater from Industrial Users containing floatable oils, fat or grease.

5.02.04

Any garbage that has not been properly shredded so that no particles are any greater than one-half inch (1/2") in any dimension.

5.02.05

Any waste capable of causing abnormal corrosion, abnormal deterioration, damage to or creating a hazard to structures, equipment or personnel of the Sewerage System or interfering with proper operation of the Board's Wastewater Treatment Plants. All wastes discharged to the Sewerage System must have a pH value in the range of 6 to 10 standard units. Prohibited materials include but are not limited to concentrated acids or alkalis and high concentrations of compounds of sulfur, chlorine and fluorine and substances which may react with water to form strongly acidic or basic products.

5.02.06

Any waters or wastes having a color which is not removable by the existing wastewater treatment processes and which causes the effluent from the Wastewater Treatment Plant receiving said wastewater to exceed color requirements for discharge to the receiving waters.

5.03

No User shall discharge or deposit any of the following materials, waste materials, waste gases or liquids into any sewer forming a part of the Sewerage System:

5.03.01

Any liquids, solids or gases which by reason of their nature or quantity are or may be sufficient, either alone or by interaction with other substances, to cause fire or explosion or be injurious in any other way to the Sewerage System or to the operation of the System. At no time shall two successive readings (15 to 30 minutes between readings) on an explosion hazard meter<sup>1</sup> at the point of discharge into the Sewerage System be more than five (5%) nor any single Reading over ten percent (10%) of the Lower Explosive Limit (L.E.L.) of the meter. Prohibited materials covered by this Section include, but are not limited to, gasoline, kerosene, naphtha, benzene, fuel oil, motor oil, mineral spirits, commercial solvents, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, per chlorates, bromates, carbides, and hydrides.

<sup>1</sup> Model GX-3 Meter as manufactured by Gas Tech, Inc., Mountain View, California, referenced to establish a standard of quality for a measuring device.



- 5.03.02 Any other solid or viscous substance in quantity or character capable of causing obstruction to flow in sewers or interference with proper operation of wastewater treatment facilities such as, but not limited to, eggshells from egg processors, ashes, cinders, ceramic wastes, sand, mud, straw, shavings, thread, glass, rags, meta, feathers, bones, tar, plastics, wood, paunch manure, insulation materials, fibers of any kind, stock or poultry feeds, processed grains, viscera or other fleshly particles from processing or packing plants or lime or similar sludge's.
- 5.03.03 Any noxious or malodorous solids, liquids or gases, which, either singly or by interaction with other wastes, are capable of creating a public nuisance or hazard to life or are or may be sufficient to prevent entry into a sewer for its maintenance and repair.
- 5.03.04 Any substance which may cause Wastewater Treatment Plant effluent or any other product of the Sewerage System such as residue, sludge or scum, to be unsuitable for reclamation and reuse or to interfere with the reclamation process. In no case shall a substance discharged to the Sewerage System cause the system to be in non-compliance with sludge use or disposal criteria, guidelines or Regulations developed by local, State or Federal authorities.
- 5.03.05 Any substance which will cause the Sewerage System to violate its NPDES Permit and/or the water quality standards of the receiving stream.
- 5.03.06 Any water or wastes which, by interaction with other waters or wastes in the Sewerage System, release obnoxious gases, form suspended solids which interfere with the Sewerage System or create a condition deleterious to structures and treatment processes.
- 5.03.07 Any form of Inflow as defined by Section 1.03.25 including storm drainage and uncontaminated thermal process water.
- 5.03.08 Infiltration as defined by Section 1.03.24 in excess of two hundred (200) gallons per inch of pipe diameter per mile of pipe per day.
- 5.03.09 Any unpolluted wastewater, as defined in Section 1.03.60.



5.04

No User shall discharge into any sewer forming part of the Sewerage System any of the following materials in concentration exceeding the stated limits:

5.04.01

Any water or wastes that contain more than ten (10) mg/l of hydrogen sulphide, sulphur dioxide or nitrous oxide.

5.04.02

Any toxic or poisonous substance or any other materials in sufficient quantity to injure or interfere with the wastewater treatment processes, or to constitute a hazard to humans or animals or to cause a violation of the water quality standards or effluent standards for the stream or watercourse receiving the effluent from the Wastewater Treatment Plant receiving said wastewater or to exceed limitations set forth in Categorical Pretreatment Standards.

5.04.03

Any waters containing suspended solids of such character and quantity that unusual provisions, attention or expense is required to handle such materials at the Wastewater Treatment Plant receiving said wastewater.

5.04.04

Any waters containing quantities of radium or naturally occurring or artificially produced radioisotopes in excess of presently existing or subsequently accepted limits for drinking water as established by current drinking water regulations promulgated by EPA.

5.04.05

No person shall discharge wastewater containing in excess of:

**FIXED UPPER LIMITS CONSTITUENTS (MILLIGRAMS PER LITER)**

	<b><u>Maximum Instantaneous Concentration (Grab Sample)</u></b>	<b><u>Maximum Daily Average (24 Hour Flow Proportional Composite Sample)</u></b>
<b>Aluminum (Dissolved) 50.0</b>	<b>25.0</b>	
<b>Arsenic</b>	<b>2.0</b>	<b>1.0</b>
<b>Cadmium</b>	<b>0.2</b>	<b>0.1</b>
<b>Chromium, Hexavalent</b>	<b>0.2</b>	<b>0.1</b>
<b>Chromium, Total</b>	<b>2.5</b>	<b>1.0</b>
<b>Cobalt</b>	<b>1.6</b>	<b>0.8</b>
<b>Copper</b>	<b>2.0</b>	<b>1.0</b>
<b>Cyanide</b>	<b>1.0</b>	<b>0.5</b>
<b>Iron</b>	<b>20.0</b>	<b>10.0</b>
<b>Lead</b>	<b>0.6</b>	<b>0.4</b>
<b>Mercury</b>	<b>0.2</b>	<b>0.1</b>
<b>Nickel</b>	<b>2.0</b>	<b>1.0</b>
<b>Silver</b>	<b>0.5</b>	<b>0.25</b>
<b>Tin</b>	<b>2.5</b>	<b>1.0</b>
<b>Zinc</b>	<b>3.6</b>	<b>1.8</b>
<b>Phosphates (Total as P) 40.0</b>	<b>20.0</b>	
<b>Total Metals, As+Cd+Cr+Co+ Cu+Hg+Pb+Ni+Ag+Sn+Zn</b>	<b>10.5</b>	<b>5.0</b>

5.04.06

The admission into the Sewerage System of any waters or wastes, having a BOD in excess of five hundred (500 mg/l on a twenty-four (24) hour composite basis or for any single sample having a BOD in excess of fifteen hundred (1500) mg/l, will be subject to review by the Board and subject to the treatment facility having the required capacity to accept the wastes. Users discharging wastewater to the sewer system having BOD concentration in excess of the above limits shall be subject to a surcharge as established by the Board. Where necessary in the opinion of the Board, the User shall provide and operate, at his own expense, such pretreatment as may be required to reduce the BOD to meet the above requirements.

5.04.07

The admission into the Sewerage System of any waters or wastes, having a suspended solids content in excess of five hundred (500) mg/l on a twenty-four (24) hour composite basis or for any single sample having a suspended solids content greater than fifteen hundred (1500) mg/l, will be subject to review by the Board and subject to the treatment facility having the required capacity to accept the wastes. Users discharging wastewater to the sewer system having a suspended solids concentration in excess of the above limits shall be subject to a surcharge as established by the Board. Where necessary in the opinion of the Board, the User shall provide and operate, at his own expense, such pre-treatment as may be required to reduce the suspended solids content to meet the above requirements.

5.04.08

The admission, into the Sewerage System of any waters or wastes in volumes or with constituents such that existing dilution conditions in the sewers or at the Wastewater Treatment Plant receiving said wastewater would be affected to the detriment of the Sewerage System, shall be subject to review and approval of the Board. Where necessary in the opinion of the Board, pretreatment or equalizing units may be required to bring constituents or volumes of flow within the limits previously prescribed or to an otherwise acceptable level and to hold or equalize flows such that no peak flow conditions may hamper the operation of any unit of the Sewerage System. Said equalization or holding unit shall have a capacity suitable to serve its intended purpose and be equipped with acceptable outlet control facilities to provide flexibility in operation and accommodate changing conditions in the waste flow.



5.04.09 Upon the promulgation of the National Categorical pretreatment Standards for a particular industrial subcategory, the Categorical Standard, if more stringent than limitations imposed under these Regulations for sources in that subcategory, shall immediately supersede the limitations imposed under these Regulations. All affected Users shall notify the Board of the applicable reporting requirements under 40 CFR, Section 403.12.

5.04.10 State requirements and limitations on discharges shall apply in any case where they are more stringent than Federal requirements and limitations or those of these Regulations.

5.04.11 No User shall discharge uncontaminated cooling water to the sanitary sewer system. Such waters shall be discharged to the storm sewer system subject to appropriate approval by ADEM.

5.04.12 The Board reserves the right to establish additional regulations containing more stringent limitations or requirements on discharges to the Sewerage System if deemed necessary.

## SECTION 6 PRETREATMENT AND ACCIDENTAL DISCHARGE

Section 6.01 Any person, who is denied a permit to discharge industrial waste, or who is prohibited from discharging any substance as specified in these Regulations or who is required to provide pretreatment or flow equalization as a SIU under the Federal effluent limitation guidelines for the appropriate industrial category, shall have the sole responsibility to devise at his own expense the methods for eliminating the problem so as to make any waste discharge eligible for a permit or for compliance with these Regulations or the Federal guidelines. Such sole responsibility shall not be affected nor shall nor any responsibility be assumed by the Board, notwithstanding that the Board may render any assistance to any person in overcoming such a problem by offering advice or suggestions. Additionally:

6.01.01 Where pretreatment or equalization of industrial wastewater flows prior to discharge into any part of the Sewerage System are required; plans, specifications and other pertinent data or information relating to such pretreatment or flow control facilities shall be first submitted to the Board and ADEM for review and approval in accordance with Section 4.



Satisfactory evidence must be included that the method of disposal of pretreatment sludge's has the approval of the appropriate State and/or local solid waste program agency. Such approval shall not exempt the discharge or such facilities from compliance with any applicable code, ordinance, rule, regulation or order of any governmental authority. Any subsequent alteration or addition to such pretreatment or flow control facilities shall not be made without due notice to and prior approval by the Board and ADEM.

6.01.02

If pretreatment or control of flows is required, such facilities shall be constructed, maintained in good working order and properly operated as efficiently as possibly by the User at his own cost and expense, subject to the requirements of these Regulations and all other applicable codes, ordinances, and laws.

6.02

In the event of an Accidental Discharge as defined in Section 1.03.01:

6.02.01

Each Industrial User shall provide protection from Accidental Discharge of prohibited materials or other wastes regulated by these Regulations. Facilities to prevent accidental discharge of prohibited materials shall be provided and maintained at the User's own cost and expense. Detailed plans showing facilities and operating procedures to provide this protection shall be submitted to the Board and ADEM upon request for review and approval. Review and approval of such plans and operating procedures do not relieve the Industrial User from the responsibility to modify his facility as necessary to meet the requirements of these Regulations.

6.02.02

If, after taking action as provided in Section 6.02.01, an industrial facility- for any unforeseen reason- fails to comply with any prohibition or limitation in these Regulations, the User responsible for such noncomplying discharge shall immediately notify the Board so that any feasible corrective action may be taken to protect the treatment system or to minimize adverse effects thereon. In addition, a written report addressed to the Board and to ADEM detailing the date, time and cause of the Accidental Discharge, the quantity and characteristics of the discharge and corrective action taken to prevent future discharges shall be filed by the responsible facility within five (5) days of the occurrence of the

noncomplying discharge.

6.02.03

A notice shall be permanently posted on the User's bulletin board or other permanent place advising employees whom to call in the event of an Accidental Discharge. Employers shall insure that all employees, who observe or who may cause or suffer such an Accidental Discharge to occur, are advised of the emergency notification procedure.

SECTION 7 FLOW AND CONCENTRATION CONTROL

Section 7.01

No person shall discharge any wastes or wastewaters in "Slugs" as defined in Section 1.03.50.

7.02

Any person, now discharging or proposing to discharge wastes which may include "Slugs" as defined in Section 1.03.50, may be required to provide facilities or adopt procedures for regulating, controlling or equalizing the concentration of any constituent and/or the rate of waste discharge.

SECTION 8 MEASUREMENT OF FLOW

Section 8.01

The volume or quantity of industrial waste discharged by a User into the Sewerage System shall be measured by one or more of the following methods:

8.01.01

If the volume of water used by any User is substantially the same as the volume secured from the Water Department of the City of Talladega, Alabama, then the volume of water purchased shall be considered to be the volume of waste discharged.

8.01.02

If a substantial portion of the water secured by a User from Water Department is not returned to the Sewerage System, the quantity of wastewater shall be determined as follows:

8.01.02.01

By a meter (or meters) on the water supply line (or lines) to his industrial and/or process operations not discharging to the Sewerage System, or

8.01.02.02

By a meter (or meters) on his waste line (or waste lines) which discharged into the Sewerage System.

8.01.02.03

If meters as required under Section 8.01.02.01 and 8.01.02.02

above shall not have been installed, an estimate shall be made by the Board for that proportion of water purchased which is used for industrial purposes and not returned to the Sewerage System.

**8.01.03**

If any User- now discharging or proposing to discharge industrial waste into the Sewerage System- does not secure his entire water supply requirements from the Water Dept., such User shall install and maintain a meter (or meters) on his waste line (or waste lines) which discharge into the Sewerage System or shall install such additional meters on the private water supply as required to permit determination of the total quantity discharged to the Sewerage System from both sources under procedures comparable to Section 8.01.01 or 8.01.02 above.

**8.02**

All sources of water supply and all discharges of wastewater into the Sewerage System must be identified in accordance with the provisions of Section 8.01. Any omission shall be considered as an unauthorized use of the Sewerage System.

**SECTION 9 MONITORING FACILITIES**

**Section 9.01**

Any User, who is discharging or proposes to discharge industrial waste into the Sewerage System, shall provide, operate and maintain at the User's own expense monitoring facilities to allow inspection, sampling and flow measurement of the building sewer and/or internal drainage systems. These monitoring facilities shall be as specified in the User's SID Permit. The monitoring facilities should normally be situated on the User's premises but the Board may, when such a location would be impractical or cause undue hardship on the User, allow the facilities to be constructed in the public street or sidewalk area and located so that they will not be obstructed by landscaping or parked vehicles.

**9.02**

There shall be ample room in or near such monitoring facilities to allow accurate sampling and preparation of samples for analysis. The facilities shall be maintained at all times in a safe and proper operating condition at the expense of the User.

**9.03**

When deemed necessary by the Board and/or ADEM, continuous recording and/or sampling equipment shall be



installed and maintained at User expense.

9.04

Whether constructed on public or private property, the sampling and monitoring facilities shall be provided in accordance with requirements of the Board, ADEM and/or all applicable local construction standards and specifications. Construction shall be completed within ninety (90) days following written notification by the Board or ADEM. Additional construction time may be granted where so dictated by equipment availability.

9.05

The Board and/or ADEM shall review monitoring facilities of present Users and may require additional monitoring facilities as required for compliance with Sections 9.01, 9.02 and 9.03.

9.06

New Users shall provide monitoring facilities as specified in their SID Permits prior to plant start up.

SECTION 10 INSPECTIONS, MONITORING AND REPORTING

Section 10.01

Significant Industrial Users shall submit self-monitoring data at monthly intervals to the Board and ADEM. These monthly reports will be submitted using copies of monitoring forms available from the Board as approved by ADEM and will be due by the 28<sup>th</sup> of the month following the reporting period.

10.02

Facilities generating industrial wastes and/or other pollutants which are discharged into the Sewerage System shall be subject to periodic inspection. A determination of character and strength of said wastes may be made annually or more as may be deemed necessary by the Board and/or ADEM and as indicated in the SID Permit to ascertain whether the purposes of these Regulations are being met, all requirements are being complied with and to determine strengths of wastes for user charge computations.

10.03

Within 90 days following the date for final compliance with applicable Pretreatment Standards as defined in Section 1.03.28 or, in the case of a New Source, following commencement of the introduction of wastewater into the Sewerage System; any User, subject to Pretreatment Standards or who is so required by the Board or ADEM, Shall submit to the Board and ADEM a report indicating the Nature and concentrations of all pollutants in the discharge



from the regulated process which are limited by Pretreatment Standards and/or limitations established in Section 5 of these Regulations and the average and maximum daily flows for these process units in the User's facility. The report shall state whether the applicable Pretreatment Standards and/or Regulations limitations are being met on a consistent basis and, if not, what additional O & M and/or pretreatment is necessary to bring the User into compliance with the applicable Pretreatment Standards and/or Regulations limitations. This report shall be signed by an authorized representative of the Industrial User.

**10.04**

Samples shall be collected manually or mechanically over such periods of time and composites in such a manner as to be representative of the wastes being discharged. The laboratory methods followed in the examination of said wastes shall be those as set forth in the latest edition of "Standard Methods," as defined in Section 1.03.52.

**10.05**

When so requested by the Industrial User, samples collected by the Board or ADEM will be split with the Industrial User for verification of analytical results. However, determination of the character, strength or quantity of the wastes as made by the Board or ADEM shall be binding as a basis for computation of charges or for actions by the Board or ADEM.

**SECTION 11 AUTHORITY FOR INSPECTION**

**Section 11.01**

The manager and other duly authorized employees of the Board and ADEM, bearing proper credentials and identification, shall be permitted to enter upon all properties for the purpose of inspection, observation, flow measurement, sampling and testing of industrial wastes and of industrial wastes and other pollutants in accordance with these Regulations.

**11.02**

The Manager and other duly authorized employees of the Board are authorized to obtain information concerning industrial processes which have a direct bearing on the kinds and sources of discharges to the Sewerage System. As required by Federal regulations, Industrial Users must disclose information on processes; however, the Board agrees that trade secret information will not be disclosed and will be held confidential.

11.03

Persons or occupants of premises where wastewater is created or discharged shall allow the Manager and other duly authorized employees of the Board and ADEM ready access at all reasonable times to all points on the premises where wastes are discharged into sewers for the purposes of inspection, sampling, records examination or in the performance of any of their duties.

11.04

The Board, their representative and ADEM shall have the right to set up on the User's property such devices as are necessary to conduct sampling, inspection, compliance monitoring and/or metering operations.

11.05

Where a User has security measures in force, which would require proper identification and clearance before entry into his premises, the User shall make necessary arrangements with his security guards so that, upon presentation of suitable identification, personnel from the Board, their representatives and ADEM will be permitted to enter, without delay, for the purposes of performing their specific responsibilities.

SECTION 12 PROTECTION EQUIPMENT

In accordance with provisions of Sewer Use Ordinance of the City no person shall maliciously, willfully or negligently break, damage, destroy, deface, tamper, with or remove any equipment or materials which are a part of the Sewerage System or any equipment or materials used by the Board or ADEM for the purposes of making waste examinations and waste flow measurements and left upon the premises of a User discharging wastes into the Sewerage System. Only persons authorized by the Board or ADEM will be allowed to uncover, adjust, maintain and remove such equipment and materials.

SECTION 13 REVIEWING AUTHORITY AND AMENDMENT

Section 13.01

The Water and Sewer Board of the City of Talladega, Alabama shall be reviewing authority for all appeals of actions or administrative determinations made by the Board pursuant to the provisions of these Regulations. Notice of an intent to appeal and request for a hearing shall be addressed to the Water and Sewer Board of the City of Talladega, Alabama in writing and shall detail the

the nature of the appeal. An early date for such hearing shall be set by the Board and the Appellant promptly notified in writing. The decision of the Board after such hearing shall be final and conclusive and shall be conveyed to the persons involved in writing.

13.02

The Board expressly reserves the absolute right to amend, modify rescind or supplement these Regulations with concurrence by ADEM.

13.03

The Board will adopt and modify from time to time separate Rate Schedules to supplement these Regulations.

SECTION 14 ENFORCEMENT, PENALTIES AND COSTS

Section 14.01

If wastewaters containing any substance described in Section 5 of these Regulations are discharged, proposed to be discharged or accidentally discharged into the Sewerage System by a SIU, the Board may issue orders of enforcement in accordance with provisions of the "Contract for Discharge into and Use of the Sewerage System of the Water and Sewer Board of the City of Talladega, Alabama" between the Board and the SIU.

14.02

If wastewaters containing any substance described in Section 5 of these Regulations are discharged, proposed to be discharged or accidentally discharged into the Sewerage System by a User not a SIU, the Board through its authorized agents, including the Manager, will commence an action for appropriate injunctive, abatement and/or equitable relief in the Circuit Court of Talladega County, Alabama and/or by ADEM.

14.03

In any case involving a person who has failed to pay any applicable and duly adopted user charges within the time limits prescribed for such payment, procedure for enforcement shall be as follows:

14.03.01

makes

The Board shall give notice to such person in writing stating the specifics of the non-payment and requiring that the person full payment within ten (10) calendar days after receipt of notice.

14.03.02

The Board may thereupon, without further notice, cause the water service from the public water system to be discontinued for such person or cause the connection to the Sewerage System



14.03.03 to be severed for such person.  
In any case where water service is discontinued or the sewer connection is severed by the Board for enforcement purposes, the restoration of such service shall be conditioned on full payment of all delinquent user charges and penalties and any expenses incurred in the enforcement proceedings and in the restoration of the service.

14.04 It is the purpose of this Section to provide for the recovery of costs from Users of the Sewerage System of the Water and Sewerage System of the Water and Sewer Board of the City of Talladega, Alabama for the implementation of the program established herein and for the construction, operation and maintenance of said System.

14.04.01 The Board will adopt charges and fees, which may include:

14.04.01.01 Service Connection Charges.

14.04.01.02 User Charges.

14.04.01.03 Fees for reimbursement of costs of setting up and operating the Talladega Pretreatment Program.

14.04.01.04 Fees for monitoring, inspections and surveillance procedures.

14.04.01.05 Fees for reviewing accidental discharge procedures and construction.

14.04.01.06 Fees for permit applications.

14.04.01.07 Fees for filing appeals.

14.04.01.08 Other fees as the Board may deem necessary to carry out the requirements contained herein.

14.04.02 All charges, fees and other penalties shall be published in a schedule separate from these Regulations and may be revised from time to time as the Board finds necessary for maintenance of the purposes described in Section 14.04 and in accordance with provisions of Section 14.04.01.

14.04.03 These fees relate solely to the matters covered by these Regulations and are separate from all other fees chargeable by the City or the Board.

**14.05**

No person shall maliciously, willfully or negligently break, damage, destroy, deface, tamper with or remove any equipment or materials which are part of the sewerage system or any equipment or materials, which are part of the sewerage system or any equipment or materials used by the Board or ADEM for making wastewater examinations or flow measurements either in public or private property. Any person found guilty of such actions shall be charged with a misdemeanor and subject to appropriate fines and penalties.

**SECTION 15 ASSIGNMENT OF PROGRAM RESPONSIBILITIES**

**Section 15.01**

Implementation of these Regulations may be either a joint effort by the Board and ADEM or an independent effort by the Board under these Regulations or ADEM under its State Pretreatment Regulations.

**15.02**

ADEM shall assume primary responsibility for implementation of actions involving Significant Industrial Users as defined in Section 1.03.49.

**15.03**

The Board shall assume primary responsibility for implementation of all actions other than those assigned to ADEM under Section 15.02.

**SECTION 16 SEVERABILITY**

If any Section, clause, provision or portion of these Regulations shall be held to be invalid or unconstitutional by any court of competent jurisdiction; such holding shall not affect any other Section, clause, provision or portion of these Regulations.

**SECTION 17 CONFLICT**

All other Regulations and parts of other Regulations inconsistent or conflicting with any part of these Regulations are hereby repealed to the extent of such inconsistency or conflict.