



Alabama Department of Environmental Management
adem.alabama.gov

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MARCH 10, 2023

Mark Saliba, Mayor
City of Dothan
Post Office Box 2128
Dothan, AL 36302

RE: Draft Permit
NPDES Permit No. AL0022764
Dothan Omussee Creek WWTP
Houston County, Alabama

Dear Mayor Saliba:

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

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

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



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

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

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 at sammons@adem.alabama.gov.

Sincerely,



Stephanie Ammons
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 DOTHAN
POST OFFICE BOX 2128
DOTHAN, AL 36302

FACILITY LOCATION: DOTHAN OMUSSEE CREEK WWTP (7.12 MGD)
457 JERRY DRIVE
DOTHAN, ALABAMA
HOUSTON COUNTY

PERMIT NUMBER: AL0022764

RECEIVING WATERS: OMUSEE CREEK
UNNAMED TRIBUTARY TO OMUSEE CREEK (STORMWATER ONLY)

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

ISSUANCE DATE:

EFFECTIVE DATE:

EXPIRATION DATE:

Draft

Alabama Department of Environmental Management

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PART I: DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

1. DSN 0011: Treated Domestic 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 0011, 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	5X Weekly	Grab	Not Seasonal
pH (00400) Effluent Gross Value	*****	*****	*****	6.0 Minimum Daily	*****	8.5 Maximum Daily	S.U.	5X Weekly	Grab	Not Seasonal
Solids, Total Suspended (00530) Effluent Gross Value	1781 Monthly Average	2672 Weekly Average	lbs/day	*****	30.0 Monthly Average	45.0 Weekly Average	mg/l	5X Weekly	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	5X Weekly	24-Hr Composite	Not Seasonal
Nitrogen, Ammonia Total (As N) (00610) Effluent Gross Value	59.3 Monthly Average	89.0 Weekly Average	lbs/day	*****	1.0 Monthly Average	1.5 Weekly Average	mg/l	5X Weekly	24-Hr Composite	Not Seasonal
Nitrogen, Kjeldahl Total (As N) (00625) Effluent Gross Value	296 Monthly Average	445 Weekly Average	lbs/day	*****	5.0 Monthly Average	7.5 Weekly Average	mg/l	Weekly	24-Hr Composite	Not Seasonal
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	Not Seasonal
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	Not Seasonal
Copper Total Recoverable (01119) Effluent Gross Value	*****	*****	*****	*****	22.6 Monthly Average	28.4 Maximum Daily	ug/l	Monthly	Grab	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.
See Permit Requirements for Stormwater in Part IV.G
- (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.
- (5) A geometric mean may be used to determine compliance with the monthly average limit.

DSN 0011 (Continued): Treated Domestic 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 0011, 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 Sec note (1)	Sample Type	Seasonal Sec note (2)
Bis (2-Ethylhexyl) Phthalate (39100) Effluent Gross Value	*****	*****	*****	*****	5.7 Monthly Average	*****	ug/l	Monthly	Grab	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	*****	*****	*****	*****	0.02 Monthly Average	0.034 Maximum Daily	mg/l	5X Weekly	Grab	Not Seasonal
E. Coli (51040) See note (5) Effluent Gross Value	*****	*****	*****	*****	548 Monthly Average	2507 Maximum Daily	col/100mL	5X Weekly	Grab	ECW
E. Coli (51040) See note (5) Effluent Gross Value	*****	*****	*****	*****	126 Monthly Average	298 Maximum Daily	col/100mL	5X Weekly	Grab	ECS
BOD, Carbonaceous 05 Day, 20C (80082) Effluent Gross Value	207 Monthly Average	311 Weekly Average	lbs/day	*****	3.5 Monthly Average	5.2 Weekly Average	mg/l	5X Weekly	24-Hr Composite	Not Seasonal
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	5X Weekly	24-Hr Composite	Not Seasonal
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.

See Permit Requirements for Stormwater in Part IV.G

(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.

(5) A geometric mean may be used to determine compliance with the monthly average limit.

2. DSN 001T: Toxicity

This is an administrative outfall. Outfall 001T is the same physical outfall as Outfall 0011. 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)
Toxicity, Ceriodaphnia Chronic (61426) Effluent Gross Value	*****	0 Single Sample	pass=0;fail=1	*****	*****	*****	*****	See Permit Requirements	24-Hr Composite	Nov
Toxicity, Pimephales Chronic (61428) Effluent Gross Value	*****	0 Single Sample	pass=0;fail=1	*****	*****	*****	*****	See Permit Requirements	24-Hr Composite	Nov

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.

See Permit Requirements for Stormwater in Part IV.G

(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.

3. DSN 002S: Stormwater

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 002S, which is described more fully in the Permittee's application as Outfall 002S. 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)
				(Report) Minimum Daily		(Report) Maximum Daily				
pH (00400) Storm Water	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Annually	Grab	Not Seasonal
Solids, Total Suspended (00530) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Oil & Grease (00556) Storm Water	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Nitrogen, Ammonia Total (As N) (00610) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Nitrogen, Kjeldahl Total (As N) (00625) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Nitrite Plus Nitrate Total 1 Det. (As N) (00630) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Phosphorus, Total (As P) (00665) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Flow, In Conduit or Thru Treatment Plant (50050) Storm Water	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Annually	Calculated	Not Seasonal
E. Coli (51040) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	col/100mL	Annually	Grab	Not Seasonal
BOD, Carbonaceous 05 Day, 20C (80082) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	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.

See Permit Requirements for Stormwater in Part IV.G

(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. DSN 003S: Stormwater

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 003S, which is described more fully in the Permittee's application as Outfall 003S. 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)
				(Report) Minimum Daily		(Report) Maximum Daily				
pH (00400) Storm Water	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Annually	Grab	Not Seasonal
Solids, Total Suspended (00530) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Oil & Grease (00556) Storm Water	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Nitrogen, Ammonia Total (As N) (00610) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Nitrogen, Kjeldahl Total (As N) (00625) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Nitrite Plus Nitrate Total 1 Det. (As N) (00630) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Phosphorus, Total (As P) (00665) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Flow, In Conduit or Thru Treatment Plant (50050) Storm Water	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Annually	Calculated	Not Seasonal
E. Coli (51040) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	col/100mL	Annually	Grab	Not Seasonal
BOD, Carbonaceous 05 Day, 20C (80082) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	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.

See Permit Requirements for Stormwater in Part IV.G

(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.

5. DSN 004S: Stormwater

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 004S, which is described more fully in the Permittee’s application as Outfall 004S. 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)
				(Report) Minimum Daily		(Report) Maximum Daily				
pH (00400) Storm Water	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Annually	Grab	Not Seasonal
Solids, Total Suspended (00530) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Oil & Grease (00556) Storm Water	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Nitrogen, Ammonia Total (As N) (00610) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Nitrogen, Kjeldahl Total (As N) (00625) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Nitrite Plus Nitrate Total 1 Det. (As N) (00630) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Phosphorus, Total (As P) (00665) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	Not Seasonal
Flow, In Conduit or Thru Treatment Plant (50050) Storm Water	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Annually	Calculated	Not Seasonal
E. Coli (51040) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	col/100mL	Annually	Grab	Not Seasonal
BOD, Carbonaceous 05 Day, 20C (80082) Storm Water	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Annually	Grab	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.

See Permit Requirements for Stormwater in Part IV.G

(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.

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" or "*B" 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" or "*B" 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
Municipal Section, Water 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 **57 percent** IWC 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 **NOVEMBER**. 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/Division6Vol1.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.

G. MAJOR SOURCE STORMWATER REQUIREMENTS

1. Prohibitions

- a. The Permittee shall not allow the discharge of non-storm water into permitted storm water outfall(s) unless said discharge is already subject to an NPDES permit.
- b. Pollutants removed in the course of treatment or control shall be disposed in a manner that complies with all applicable Department rules and regulations.

2. Operational and Management Practices

The permittee shall prepare and implement a Storm Water Pollution Prevention (SWPP) Plan within one year of the effective date of this permit.

- a. In the SWPP Plan, the Permittee shall:
 - (1) Assess the treatment plant site by developing and presenting site drainage maps, materials inventory, and best management operational practices. The plan shall also include a description of all spill or leak sources;
 - (2) Describe mechanisms and procedures to prevent the contact of sewage sludge, screenings, raw or partially treated wastewater, or any other waste product or pollutant with storm water discharged from the facility;
 - (3) Provide for daily inspection on workdays of any structures that function to prevent storm water pollution or that remove pollutants from storm water;
 - (4) Provide for daily inspection of the facility in general to ensure that the SWPP Plan is continually implemented and effective;
 - (5) Include a Best Management Practices (BMP) Plan that, as a minimum, addresses housekeeping, preventative maintenance, spill prevention and response, and non-storm water discharges;
 - (6) Describe mechanisms and procedures to provide sediment control sufficient to prevent or control storm water pollution storm water by particles resulting from soil or sediment migration from the site due to significant clearing, grading, or excavation activities;
 - (7) Designate by position or name the person or persons responsible for the day to day implementation of the SWPP Plan; and
 - (8) Bear the signature of an individual meeting signatory requirements as defined in ADEM Administrative Code, Rule 335-6-6-.09.
- b. The Director or his designee may notify the permittee at any time that the SWPP Plan is deficient and will require correction of the deficiency. The permittee shall correct any SWPP Plan deficiency identified by the Director or his designee within 30 days of receipt of notification and shall certify to the Department that the correction has been made and implemented.

c. Administrative Procedures

- (1) A copy of the SWPP Plan shall be maintained at the facility and shall be available for inspection by the Department.
- (2) A log of daily inspections required by Provision IV.G.2.a.(3.) of the permit shall be maintained at the facility and shall be made available for inspection by the Department upon request. The log shall contain records of all inspections performed and each daily entry shall be signed by the person performing the inspection.
- (3) The Permittee shall provide training for any personnel required to implement the SWPP Plan and shall retain documentation of such training at the facility. Training records for all personnel shall be available for inspection by the Department. Training shall be performed prior to the date implementation is required.

3. Monitoring Requirements

- a. Storm water discharged through each storm water outfall shall be sampled once per calendar year, using first flush grab samples (FFGS) collected during the first 30 minutes of discharge.
- b. The total volume of storm water discharged for the event must be monitored, including the date and duration (in hours) and rainfall (in inches) for the storm event(s) sampled. The duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event must be a minimum of 72 hours. This information must be recorded as part of the sampling procedure and records retained in accordance with Provision I.B.5. of this permit. The volume may be measured using flow measurement devices or may be estimated using any method approved in writing by the Department.

FACT SHEET

APPLICATION FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT TO DISCHARGE POLLUTANTS TO WATERS OF THE STATE OF ALABAMA

Date Prepared: December 9, 2022

By: Stephanie Ammons

NPDES Permit No. AL0022764

1. Name and Address of Applicant:

City of Dothan
Post Office Box 2128
Dothan, AL 36302

2. Name and Address of Facility:

Dothan Omusee Creek WWTP
457 Jerry Drive
Dothan, AL 36303

3. Description of Applicant's Type of Facility and/or Activity Generating the Discharge:

Discharge Type(s): Surface Water
Treatment Method(s): Mechanical (WWTP)

4. Applicant's Receiving Waters

Feature ID	Receiving Water	Classification
001	Omusee Creek	Fish and Wildlife (F&W)
002	UT to Omusee Creek	Fish and Wildlife (F&W)
003	Omusee Creek	Fish and Wildlife (F&W)
004	Omusee Creek	Fish and Wildlife (F&W)

For the Outfall latitude and longitude see the permit application.

5. Permit Conditions:

See attached Rationale and Draft Permit.

6. PROCEDURES FOR THE FORMULATION OF FINAL DETERMINATIONS

a. Comment Period

The Alabama Department of Environmental Management proposes to issue this NPDES permit subject to the limitations and special conditions outlined above. This determination is tentative.

Interested persons are invited to submit written comments on the draft permit to the following address:

Jeffery W. Kitchens, Chief
ADEM-Water Division
1400 Coliseum Blvd
[Mailing Address: Post Office Box 301463; Zip 36130-1463]
Montgomery, Alabama 36110-2400
(334) 271-7823
water-permits@adem.alabama.gov

All comments received prior to the closure of the public notice period (see public notice for date) will be considered in the formulation of the final determination with regard to this permit.

b. Public Hearing

A written request for a public hearing may be filed within the public notice period and must state the nature of the issues proposed to be raised in the hearing. A request for a hearing should be filed with the Department at the following address:

Jeffery W. Kitchens, Chief
ADEM-Water Division
1400 Coliseum Blvd
[Mailing Address: Post Office Box 301463; Zip 36130-1463]
Montgomery, Alabama 36110-2400
(334) 271-7823
water-permits@adem.alabama.gov

The Director shall hold a public hearing whenever it is found, on the basis of hearing requests, that there exists a significant degree of public interest in a permit application or draft permit. The Director may hold a public hearing whenever such a hearing might clarify one or more issues involved in the permit decision. Public notice of such a hearing will be made in accordance with ADEM Admin. Code r. 335-6-6-.21.

c. Issuance of the Permit

All comments received during the public comment period shall be considered in making the final permit decision. At the time that any final permit decision is issued, the Department shall prepare a response to comments in accordance with ADEM Admin. Code r. 335-6-6-.21. **The permit record, including the response to comments, will be available to the public via the eFile System <http://app.adem.alabama.gov/eFile/> or an appointment to review the record may be made by writing the Permits and Services Division at the above address.**

Unless a request for a stay of a permit or permit provision is granted by the Environmental Management Commission, the proposed permit contained in the Director's determination shall be issued and effective, and such issuance will be the final administrative action of the Alabama Department of Environmental Management.

d. Appeal Procedures

As allowed under ADEM Admin. Code chap. 335-2-1, any person aggrieved by the Department's final administrative action may file a request for hearing to contest such action. Such requests should be received by the Environmental Management Commission within thirty days of issuance of the permit. Requests should be filed with the Commission at the following address:

**Alabama Environmental Management Commission
1400 Coliseum Blvd
[Mailing Address: Post Office Box 301463; Zip 36130-1463]
Montgomery, Alabama 36110-2400**

All requests must be in writing and shall contain the information provided in ADEM Admin. Code r. 335-2-1-.04.

NPDES PERMIT RATIONALE

NPDES Permit No: **AL0022764**

Date: March 2, 2023

Permit Applicant: City of Dothan
Post Office Box 2128
Dothan, AL 36302

Location: **Dothan Omussee Creek WWTP**
457 Jerry Drive
Dothan, AL 36303

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

Basis for Limitations: Water Quality Model: CBOD5, NH3-N, TKN, DO
Reissuance with no modification: DO, pH, TSS, NH3-N, TKN, Bis (2-ethylhexyl) phthalate, E. coli, CBOD5, CBOD5 Percent Removal, TSS Percent Removal
Instream calculation: 57%
Toxicity based: TRC
Secondary Treatment Levels: TSS, TSS Percent Removal, CBOD5 Percent Removal
Other (described below): pH, E. coli, Copper, Bis (2-ethylhexyl) phthalate

Design Flow in Million Gallons per Day: 7.12 MGD

Major: Yes

Description of Discharge:

Feature ID	Description	Receiving Water	WBC	303(d)	TMDL
001	Treated Domestic and Industrial Wastewater	Omusee Creek	Fish and Wildlife (F&W)	No	No
002	Stormwater	UT to Omusee Creek	Fish and Wildlife (F&W)	No	No
003	Stormwater	Omusee Creek	Fish and Wildlife (F&W)	No	No
004	Stormwater	Omusee Creek	Fish and Wildlife (F&W)	No	No

Discussion: This is a permit reissuance due to expiration. The permit regulates the discharges of treated domestic and industrial wastewater to Omusee Creek, a Tier I water body classified as Fish and Wildlife in the Chattahoochee River Basin. Omusee Creek is not listed on the most recent 303(d) list of impaired waters, and there are no TMDLs affecting this discharge.

The Department completed a reasonable potential analysis (RPA) of the discharge based on the receiving stream's historical low flows and data provided in the permittee's application and discharge monitoring reports (DMRs). The Department also considers background data upstream

of the point of discharge; however, there is no applicable background data for this discharge. The RPA indicates whether pollutants in treated effluent have the potential to contribute to excursions of Alabama's instream water quality standards. Based on the RPA, it was determined that there is a reasonable potential for instream water quality standards to be exceeded for copper and bis (2-ethylhexyl) phthalate. This permit imposes Total Recoverable Copper limits of 22.6 ug/L (monthly average) and 28.4 ug/L (maximum daily) and a Bis (2-ethylhexyl) phthalate limit of 5.7 ug/L (monthly average). The previous permit imposed a slightly more stringent bis (2-ethylhexyl) phthalate limit and mercury monitoring. The RPA did not indicate a reasonable potential for mercury water quality standards to be exceeded for mercury; therefore, mercury monitoring has not been included in this permit reissuance. Imposing a less stringent bis (2-ethylhexyl) phthalate limit and removing mercury monitoring from the permit with this reissuance is not considered backsliding because it is consistent with the Department's antidegradation policy and water quality standards are being attained for these pollutants.

The *Escherichia coli* (*E. coli*) limits were determined based on the water-use classification of the receiving stream. Since Omusee Creek is classified as Fish and 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). A geometric mean may be used to determine compliance with the monthly average limit.

Limits for Dissolved Oxygen (DO), Five Day Carbonaceous Biochemical Oxygen Demand (CBOD5), Total Ammonia as Nitrogen (NH3-N), and Total Kjeldahl Nitrogen (TKN) were developed based on a Waste Load Allocation (WLA) model completed by ADEM's Water Quality Branch on August 11, 2022. The daily minimum DO limit is 6.0 mg/L. The monthly average CBOD5 limit is 3.5 mg/L. The monthly average NH3-N limit is 1.0 mg/L. The monthly average TKN limit is 5.0 mg/L.

In addition to NH3-N and TKN, the Permittee is required to monitor and report effluent test results for Total Phosphorus (TP) and Nitrite plus Nitrate-Nitrogen (NO2+NO3-N). 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 pH limits were developed in accordance with the water-use classification of the receiving stream. The pH limits are 6.0 s.u. (daily minimum) and 8.5 s.u. (daily maximum).

The Total Residual Chlorine (TRC) limits are based on calculations to ensure that the acute and chronic toxic concentrations of TRC in the receiving stream are not exceeded. The TRC limits are 0.02 mg/L (monthly average) and 0.034 mg/L (daily maximum). The previous permit imposed slightly lower TRC limits. Imposing less stringent TRC limits is not considered backsliding because it is consistent with the Department's antidegradation policy and water quality standards are being attained for this pollutant. 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 TRC measurement below 0.05 mg/L shall be considered below detection for compliance purposes. The TRC limit is provisional. If chlorine disinfection is utilized then the imposed TRC limit will apply.

The monthly average Total Suspended Solids (TSS) limit is established at 30.0 mg/L in accordance with 40 CFR 133.102. A minimum percent removal limit of 85.0 percent is imposed for TSS in accordance with 40 CFR 133.102. A minimum percent removal limit of 85.0 percent is imposed for CBOD5 in accordance with 40 CFR 133.102.

Chronic toxicity with two species (*Ceriodaphnia* and *Pimephales*) is being imposed in this permit. Toxicity testing is imposed for both survival and life-cycle impairment (i.e., growth and reproduction). Chronic toxicity testing is required on an annual basis at the calculated Instream

Waste Concentration (IWC) of 57 percent. The previous permit imposed toxicity testing at the IWC of 65 percent. Imposing less stringent toxicity testing is not considered backsliding because it is consistent with the Department's antidegradation policy and water quality standards are being attained for this pollutant.

In the permit application, the Permittee reported three storm water outfalls from the treatment plant. Outfalls 002S, 003S, and 004S, as reported in the application, will correspond to Outfalls 002S, 003S, and 004S, respectively, in the permit. Storm water monitoring will be required on an annual basis. The storm water outfalls discharge to Omusee Creek and an unnamed tributary to Omusee Creek, both of which are classified as Fish and Wildlife and are not listed on the 303(d) list and are not affected by a TMDL.

The frequency of monitoring for most parameters is five days per week. Monitoring for NO₂+NO₃-N and TP is to be conducted monthly. Monitoring for TKN is to be conducted weekly. Monitoring for copper and bis (2-ethylhexyl) phthalate is to be conducted monthly. Percent removals are to be calculated monthly. Flow is to be monitored continuously, seven days per week. Toxicity testing is to be conducted during the month of November. Storm water is to be monitored annually.

This permit imposes Sewer Overflow Response Plan (SORP) requirements. SORP requirements are described more fully in Part IV. of the permit.

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 stream, so the applicant is not required to demonstrate that the discharge is necessary for economic and social development.

Prepared by: Stephanie Ammons

TOXICITY AND DISINFECTION RATIONALE

Facility Name:	Dothan Omussee Creek WWTP	
NPDES Permit Number:	AL0022764	
Receiving Stream:	Omussee Creek	
Facility Design Flow (Q _w):	7.120 MGD	
Receiving Stream 7Q ₁₀ :	8.520 cfs	
Receiving Stream 1Q ₁₀ :	6.390 cfs	
Winter Headwater Flow (WHF):	15.40 cfs	
Summer Temperature for CCC:	30 deg. Celsius	
Winter Temperature for CCC:	30 deg. Celsius	
Headwater Background NH ₃ -N Level:	0.11 mg/l	
Receiving Stream pH:	7.0 s.u.	
Headwater Background FC Level (summer):	N./A.	(Only applicable for facilities with diffusers.)
(winter)	N./A.	

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

$$\text{Stream Dilution Ratio (SDR)} = \frac{Q_w}{7Q_{10} + Q_w} = 56.39\%$$

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.

$$\begin{aligned} \text{Limiting Dilution} &= \frac{Q_w}{7Q_{10} + Q_w} \\ &= 56.39\% \quad \text{Effluent-Dominated, CCC Applies} \end{aligned}$$

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

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

$$\begin{aligned} \text{Summer NH}_3\text{-N Toxicity Limit} &= \frac{[(\text{Allowable Instream NH}_3\text{-N}) * (7Q_{10} + Q_w)] - [(\text{Headwater NH}_3\text{-N}) * (7Q_{10})]}{Q_w} \\ &= 3.8 \text{ mg/l NH}_3\text{-N at 7Q}_{10} \end{aligned}$$

$$\begin{aligned} \text{Winter NH}_3\text{-N Toxicity Limit} &= \frac{[(\text{Allowable Instream NH}_3\text{-N}) * (\text{WHF} + Q_w)] - [(\text{Headwater NH}_3\text{-N}) * (\text{WHF})]}{Q_w} \\ &= \text{N./A.} \end{aligned}$$

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 NH₃-N limit</u>	<u>Toxicity-based NH₃-N limit</u>
Summer	1.00 mg/l NH₃-N	3.80 mg/l NH₃-N
Winter	N./A.	N./A.

Summer: The DO based limit of 1.00 mg/l NH₃-N applies.

Winter limits are not applicable.

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

$$\text{Instream Waste Concentration (IWC)} = \frac{Q_w}{7Q_{10} + Q_w} = 56.39\% \quad \text{Note: This number will be rounded up for toxicity testing purposes.}$$

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.**

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

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:	0.020	(0.011)/(SDR)
Maximum allowable TRC in effluent:	0.034	(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: Stephanie Ammons Date: 1/18/2023

$Q_{d1} * C_{d1} + Q_{d2} * C_{d2} + Q_s * C_s = Q_r * C_r$										
ID	Pollutant	Carcinogen Yes*	Type	Background from upstream source (C _{d1}) Daily Max	Background from upstream source (C _{d1}) Monthly Avg	Background Instream (C _d) Daily Max	Background Instream (C _d) Monthly Avg	Enter Max Daily Discharge as reported by Applicant (C _d) Max	Enter Avg Daily Discharge as reported by Applicant (C _d) Avg	Partition Coefficient (Stream / Lake)
1	Antimony		Metals	0	0	0	0	0	0	-
2	Arsenic**	YES	Metals	0	0	0	0	0	0	0.574
3	Beryllium**		Metals	0	0	0	0	0	0	-
4	Cadmium**		Metals	0	0	0	0	0	0	0.236
5	Chromium / Chromium III**		Metals	0	0	0	0	0	0	0.210
6	Chromium / Chromium VI**		Metals	0	0	0	0	0	0	-
7	Copper**		Metals	0	0	0	0	10.9	8.72	0.388
8	Lead**		Metals	0	0	0	0	0	0	0.206
9	Mercury**		Metals	0	0	0	0	0.000928	0.000359	0.302
10	Nickel**		Metals	0	0	0	0	1.48	0.886	0.505
11	Selenium		Metals	0	0	0	0	0	0	-
12	Silver		Metals	0	0	0	0	0	0	-
13	Thallium		Metals	0	0	0	0	0	0	-
14	Zinc**		Metals	0	0	0	0	35.6	20.5	0.330
15	Cyanide		Metals	0	0	0	0	0	0	-
16	Total Phenolic Compounds		Metals	0	0	0	0	0	0	-
17	Hardness (As CaCO3)		Metals	0	0	0	0	117000	101900	-
18	Acrolin		VOC	0	0	0	0	0	0	-
19	Acrylonitrile*	YES	VOC	0	0	0	0	0	0	-
20	Aldrin	YES	VOC	0	0	0	0	0	0	-
21	Benzene*	YES	VOC	0	0	0	0	0	0	-
22	Bromoform*	YES	VOC	0	0	0	0	0	0	-
23	Carbon Tetrachloride*	YES	VOC	0	0	0	0	0	0	-
24	Chlordane	YES	VOC	0	0	0	0	0	0	-
25	Chlorobenzene		VOC	0	0	0	0	0	0	-
26	Chlorodibromo-Methane*	YES	VOC	0	0	0	0	0	0	-
27	Chloroethane		VOC	0	0	0	0	0	0	-
28	2-Chloro-Ethylvinyl Ether		VOC	0	0	0	0	0	0	-
29	Chloroform*	YES	VOC	0	0	0	0	0	0	-
30	4,4'-DDD	YES	VOC	0	0	0	0	0	0	-
31	4,4'-DDE	YES	VOC	0	0	0	0	0	0	-
32	4,4'-DDT	YES	VOC	0	0	0	0	0	0	-
33	Dichlorobromo-Methane*	YES	VOC	0	0	0	0	0	0	-
34	1, 1-Dichloroethane	YES	VOC	0	0	0	0	0	0	-
35	1, 2-Dichloroethane*	YES	VOC	0	0	0	0	0	0	-
36	Trans-1, 2-Dichloro-Ethylene		VOC	0	0	0	0	0	0	-
37	1, 1-Dichloroethylene*	YES	VOC	0	0	0	0	0	0	-
38	1, 2-Dichloropropane		VOC	0	0	0	0	0	0	-
39	1, 3-Dichloro-Propane		VOC	0	0	0	0	0	0	-
40	Dieldrin*	YES	VOC	0	0	0	0	0	0	-
41	Ethylbenzene		VOC	0	0	0	0	0	0	-
42	Methyl Bromide		VOC	0	0	0	0	0	0	-
43	Methyl Chloride		VOC	0	0	0	0	0	0	-
44	Methylene Chloride*	YES	VOC	0	0	0	0	0	0	-
45	1, 1, 2, 2-Tetrachloro-Ethane*	YES	VOC	0	0	0	0	0	0	-
46	Tetrachloro-Ethylene*	YES	VOC	0	0	0	0	0	0	-
47	Toluene		VOC	0	0	0	0	0	0	-
48	Toxaphene	YES	VOC	0	0	0	0	0	0	-
49	Tributyltin (TBT)	YES	VOC	0	0	0	0	0	0	-
50	1, 1, 1-Trichloroethane		VOC	0	0	0	0	0	0	-
51	1, 1, 2-Trichloroethane*	YES	VOC	0	0	0	0	0	0	-
52	Trichloroethylene*	YES	VOC	0	0	0	0	0	0	-
53	Vinyl Chloride*	YES	VOC	0	0	0	0	0	0	-
54	p-Chloro-m-Cresol		Acids	0	0	0	0	0	0	-
55	2-Chlorophenol		Acids	0	0	0	0	0	0	-
56	2, 4-Dichlorophenol		Acids	0	0	0	0	0	0	-
57	2, 4-Dimethylphenol		Acids	0	0	0	0	0	0	-
58	4, 6-Dinitro-O-Cresol		Acids	0	0	0	0	0	0	-
59	2, 4-Dinitrophenol		Acids	0	0	0	0	0	0	-
60	4,6-Dinitro-2-methylphenol	YES	Acids	0	0	0	0	0	0	-
61	Dioxin (2,3,7,8-TCDD)	YES	Acids	0	0	0	0	0	0	-
62	2-Nitrophenol		Acids	0	0	0	0	0	0	-
63	4-Nitrophenol		Acids	0	0	0	0	0	0	-
64	Pentachlorophenol*	YES	Acids	0	0	0	0	0	0	-
65	Phenol		Acids	0	0	0	0	0	0	-
66	2, 4, 6-Trichlorophenol*	YES	Acids	0	0	0	0	0	0	-
67	Acanaphthene		Bases	0	0	0	0	0	0	-
68	Acanaphthylene		Bases	0	0	0	0	0	0	-
69	Anthracene		Bases	0	0	0	0	0	0	-
70	Benzidine		Bases	0	0	0	0	0	0	-
71	Benzo(A)Anthracene*	YES	Bases	0	0	0	0	0	0	-
72	Benzo(A)Pyrene*	YES	Bases	0	0	0	0	0	0	-
73	3, 4 Benzo-Fluoranthene		Bases	0	0	0	0	0	0	-
74	Benzo(GH)Perylene		Bases	0	0	0	0	0	0	-
75	Benzo(K)Fluoranthene		Bases	0	0	0	0	0	0	-
76	Bis (2-Chloroethoxy) Methane		Bases	0	0	0	0	0	0	-
77	Bis (2-Chloroethyl) Ether*	YES	Bases	0	0	0	0	0	0	-
78	Bis (2-Chloro-Propyl) Ether		Bases	0	0	0	0	0	0	-
79	Bis (2-Ethylhexyl) Phthalate*	YES	Bases	0	0	0	0	28.3	1.53	-
80	4-Bromophenyl Phenyl Ether		Bases	0	0	0	0	0	0	-
81	Butyl Benzyl Phthalate		Bases	0	0	0	0	0	0	-
82	2-Chloronaphthalene		Bases	0	0	0	0	0	0	-
83	4-Chlorophenyl Phenyl Ether		Bases	0	0	0	0	0	0	-
84	Chrysene*	YES	Bases	0	0	0	0	0	0	-
85	Di-N-Butyl Phthalate		Bases	0	0	0	0	0	0	-
86	Di-N-Octyl Phthalate		Bases	0	0	0	0	0	0	-
87	Dibenzo(A,H)Anthracene*	YES	Bases	0	0	0	0	0	0	-
88	1, 2-Dichlorobenzene		Bases	0	0	0	0	0	0	-
89	1, 3-Dichlorobenzene		Bases	0	0	0	0	0	0	-
90	1, 4-Dichlorobenzene		Bases	0	0	0	0	0	0	-
91	3, 3-Dichlorobenzidine*	YES	Bases	0	0	0	0	0	0	-
92	Diethyl Phthalate		Bases	0	0	0	0	0	0	-
93	Dimethyl Phthalate		Bases	0	0	0	0	0	0	-
94	2, 4-Dinitrobenzene*	YES	Bases	0	0	0	0	0	0	-
95	2, 6-Dinitrotoluene		Bases	0	0	0	0	0	0	-
96	1, 2-Diphenylhydrazine		Bases	0	0	0	0	0	0	-
97	Endosulfan (alpha)	YES	Bases	0	0	0	0	0	0	-
98	Endosulfan (beta)	YES	Bases	0	0	0	0	0	0	-
99	Endosulfan sulfate	YES	Bases	0	0	0	0	0	0	-
100	Endrin	YES	Bases	0	0	0	0	0	0	-
101	Endrin Aldehyde	YES	Bases	0	0	0	0	0	0	-
102	Fluoranthene		Bases	0	0	0	0	0	0	-
103	Fluorene		Bases	0	0	0	0	0	0	-
104	Heptachlor	YES	Bases	0	0	0	0	0	0	-
105	Heptachlor Epoxide	YES	Bases	0	0	0	0	0	0	-
106	Hexachlorobenzene*	YES	Bases	0	0	0	0	0	0	-
107	Hexachlorobutadiene*	YES	Bases	0	0	0	0	0	0	-
108	Hexachlorocyclohexan (alpha)	YES	Bases	0	0	0	0	0	0	-
109	Hexachlorocyclohexan (beta)	YES	Bases	0	0	0	0	0	0	-
110	Hexachlorocyclohexan (gamma)	YES	Bases	0	0	0	0	0	0	-
111	Hexachlorocyclopentadiene		Bases	0	0	0	0	0	0	-
112	Hexachloroethane		Bases	0	0	0	0	0	0	-
113	Indeno(1, 2, 3-CK)Pyrene*	YES	Bases	0	0	0	0	0	0	-
114	Isophorone		Bases	0	0	0	0	0	0	-
115	Naphthalene		Bases	0	0	0	0	0	0	-
116	Nitrobenzene		Bases	0	0	0	0	0	0	-
117	N-Nitrosodi-N-Propylamine*	YES	Bases	0	0	0	0	0	0	-
118	N-Nitrosodi-N-Methylamine*	YES	Bases	0	0	0	0	0	0	-
119	N-Nitrosodi-N-Phenylamine*	YES	Bases	0	0	0	0	0	0	-
120	PCB-1016	YES	Bases	0	0	0	0	0	0	-
121	PCB-1221	YES	Bases	0	0	0	0	0	0	-
122	PCB-1232	YES	Bases	0	0	0	0	0	0	-
123	PCB-1242	YES	Bases	0	0	0	0	0	0	-
124	PCB-1248	YES	Bases	0	0	0	0	0	0	-
125	PCB-1254	YES	Bases	0	0	0	0	0	0	-
126	PCB-1260	YES	Bases	0	0	0	0	0	0	-
127	Phenanthrene		Bases	0	0	0	0	0	0	-
128	Pyrene		Bases	0	0	0	0	0	0	-
129	1, 2, 4-Trichlorobenzene		Bases	0	0	0	0	0	0	-

7.12	Enter Q _d = wastewater discharge flow from facility (MGD)
11.0162705	Q _d = wastewater discharge flow (cfs) (this value is calculated from the MGD)
0	Enter flow from upstream discharge Q _{d2} = background stream flow in MGD above point of discharge
0	Q _{d2} = background stream flow from upstream source (cfs)
8.52	Enter TQ10, Q _s = background stream flow in cfs above point of discharge
6.39	Enter or estimated, 1Q10, Q _s = background stream flow in cfs above point of discharge (1Q10 estimated at 75% of TQ10)
37.99	Enter Mean Annual Flow, Q _s = background stream flow in cfs above point of discharge
15.4	Enter TQ2, Q _s = background stream flow in cfs above point of discharge (For LWF class streams)
Enter by L&R	Enter C _d = background in-stream pollutant concentration in µg/l (assuming this is zero "0" unless there is data)
Q _d + Q _{d2} + Q _s	Q _r = resultant in-stream flow, after discharge
Calculated on other	C _r = 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
7.00 s.u.	Enter, Background pH above point of discharge
YES	Enter, Is discharge to a stream? *YES* Other option would be to a Lake. (This changes the partition coefficients for the metals)

** Useq Partition Coefficients

January 18, 2023

Freshwater F&W classification										Freshwater Acute (µg/l) Q ₁ = 1Q10										Freshwater Chronic (µg/l) Q ₁ = 7Q10										Human Health Consumption Fish only (µg/l)			
ID	Pollutant	RP7	Carcinogen yes	Background from upstream source (C _{DB}) Daily Max	Max Daily Discharge as reported by Applicant (C _{max})	Water Quality Criteria (C ₁)	Draft Permit Limit (C _{max})	20% of Draft Permit Limit	RP7	Background from upstream source (C _{DB}) Monthly Ave	Avg Daily Discharge as reported by Applicant (C _{avg})	Water Quality Criteria (C ₁)	Draft Permit Limit (C _{max})	20% of Draft Permit Limit	RP7	Water Quality Criteria (C ₁)	Draft Permit Limit (C _{max})	20% of Draft Permit Limit	RP7	Carcinogen Q ₁ = Annual Average													
																				Water Quality Criteria (C ₁)	Draft Permit Limit (C _{max})	20% of Draft Permit Limit	RP7	Water Quality Criteria (C ₁)	Draft Permit Limit (C _{max})	20% of Draft Permit Limit	RP7						
1	Antimony		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
2	Arsenic		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	1.35E+00	2.70E-01	No										
3	Beryllium		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
4	Cadmium		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
5	Chromium/ Chromium III		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
6	Chromium/ Chromium VI		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
7	Copper		YES	0	10.9	500-234	935,919	187,164	Yes	0	8.72	500-234	463,432	92,686	Yes	500-234	463,432	92,686	Yes	4.24E-02	7.52E-02	1.50E-02	No										
8	Lead		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
9	Mercury		YES	0	0.000026	500-234	935,919	187,164	No	0	0.000359	500-234	463,432	92,686	No	500-234	463,432	92,686	No	4.24E-02	7.52E-02	1.50E-02	No										
10	Nickel		YES	0	1.46	500-234	935,919	187,164	No	0	0.866	500-234	463,432	92,686	No	500-234	463,432	92,686	No	9.93E-02	1.78E+03	3.52E+02	No										
11	Selenium		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
12	Silver		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
13	Thallium		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
14	Zinc		YES	0	36.9	500-234	935,919	187,164	No	0	20.5	500-234	463,432	92,686	No	500-234	463,432	92,686	No	1.42E+04	2.84E+04	5.28E+03	No										
15	Cyanide		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
16	Total Phenolic Compounds		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
17	Hardness (As CaCO3)		YES	0	117000	500-234	935,919	187,164	No	0	101800	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
18	Acrolein		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
19	Acrylonitrile		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
20	Aldrin		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
21	Benzene		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
22	Bromoform		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
23	Carbon Tetrachloride		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
24	Chlordane		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
25	Chlorobenzene		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
26	Chlorobromo-Methane		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
27	Chloroethane		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
28	2-Chloro-Ethylvinyl Ether		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
29	Chloroform		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
30	4,4' - DDD		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
31	4,4' - DDE		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
32	4,4' - DDT		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
33	Dichlorobromo-Methane		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
34	1, 1-Dichloroethane		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
35	1, 2-Dichloroethane		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
36	Trans-1, 2-Dichloro-Ethylene		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
37	1, 1-Dichloroethylene		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
38	1, 2-Dichloropropane		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
39	1, 3-Dichloro-Propylene		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
40	Dieldrin		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
41	Ethylbenzene		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
42	Methyl Bromide		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
43	Methyl Chloride		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
44	Methylene Chloride		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
45	1, 1, 1, 2, 2-Tetrachloro-Ethane		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
46	Tetrachloro-Ethane		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No	3.03E-01	6.62E+02	1.32E+02	No										
47	Toluene		YES	0	0	500-234	935,919	187,164	No	0	0	500-234	463,432	92,686	No	500-234	463,432	92,686	No														

Dothan Omussee Creek WWTP
 Permit No. AL0022764
 Mercury DMR and Permit Application Data

Monitoring Period End Date	Maximum Daily (ug/L)	Monthly Average (ug/L)
9/30/18	0.000824	0.000824
12/31/18	*B	*B
3/31/19	0.000928	0.000928
6/30/19	0.000724	0.000724
9/30/19	*B	*B
12/31/19	*B	*B
3/31/20	*B	*B
6/30/20	*B	*B
9/30/20	*9	*9
12/31/20	*9	*9
3/31/21	*9	*9
6/30/21	*9	*9
9/30/21	*9	*9
12/31/21	*9	*9
3/31/22	*9	*9
6/30/22	*9	*9
9/30/22	*9	*9
9/19/18	0.000711	0.000711
3/18/19	0.000766	0.00766
3/3/20	*B	*B

*B = Below Detection Limit
 *9 = Monitoring Conditional/Not required
Monthly Average: 0.000359 ug/L
Maximum: 0.000928 ug/L

Dothan Omussee Creek WWTP
 Permit No. AL0022764
 Bis (2-Ethylhexyl) Phthalate DMR and Permit Application Data

Monitoring Period End Date	Monthly Average (ug/L)
6/30/2018	*B
7/31/2018	4.97
8/31/2018	15.2
9/30/2018	11.6
10/31/2018	5.41
11/30/2018	*B
12/31/2018	*B
1/31/2019	*B
2/28/2019	0.04
3/31/2019	*B
4/30/2019	*B
5/31/2019	*B
6/30/2019	*B
7/31/2019	*B
8/31/2019	*B
9/30/2019	*B
10/31/2019	*B
11/30/2019	*B
12/31/2019	*B
1/31/2020	*B
2/29/2020	*B
3/31/2020	*B
4/30/2020	*B
5/31/2020	*B
6/30/2020	*B
7/31/2020	28.3
8/31/2020	*B
9/30/2020	*B
10/31/2020	*B
11/30/2020	*B
12/31/2020	*B
1/31/2021	*B
2/28/2021	*B
3/31/2021	*B
4/30/2021	2.45
5/31/2021	4.05
6/30/2021	4.43
7/31/2021	*B
8/31/2021	*B
9/30/2021	*B
10/31/2021	*B
11/30/2021	*B
12/31/2021	*B
1/31/2022	*B
2/28/2022	*B
3/31/2022	*B
4/30/2022	*B
5/31/2022	*B
6/30/2022	*B
7/31/2022	*B
8/31/2022	*B
9/30/2022	*B
10/31/2022	*B
11/30/2022	*B
9/19/2018	11.0
3/18/2019	*B
7/7/2019	*B

*B = Below Method Detection Level

Monthly Average = 1.53 ug/L

Maximum = 28.3 ug/L

Waste Load Allocation Summary

REQUEST INFORMATION

Request Number: 3843

From: Stephanie Ammons In Branch/Section: Municipal
Date Submitted: 12/17/2021 Date Required: 1/16/2022 FUND Code: 605
Date Permit application received by NPDES program: 11/18/2021

Receiving Waterbody: Omusee Creek

Previous Stream:

Facility: Dothan Omusee Creek WWTP (Name of Discharger-WQ will use to file)

Previous Discharger Name:

River Basin: Chattahoochee Outfall Latitude: 31.261235 (decimal degrees)

*County: Houston Outfall Longitude: -85.329388 (decimal degrees)

Permit Number: AL0022764 Permit Type: Permit Reissuance

Permit Status: Active

Type of Discharger: MUNICIPAL

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

If yes, impacting dischargers names.

Headland Jimmy Carr WWTP

Impacting dischargers permit numbers.

AL0027014

Existing Discharge Design Flow: 7.12 MGD
Proposed Discharge Design Flow: 7.12 MGD
Note: The flow rates given should be those requested for modeling.

Comments included

Information Verified By: BCH

Year File Was Created:

Response ID Number: 1915

Lat/Long Method: GPS

12 Digit HUC Code: 031300040602

Use Classification: F&W

Site Visit Completed?

Date of Site Visit: 6/8/2022

Waterbody Impaired?

Date of WLA Response: 8/11/2022

Antidegradation: Yes No

Approved TMDL?

Waterbody Tier Level: Tier I

Use Support Category: 2A

Approval Date of TMDL:

Waste Load Allocation Information

Modeled Reach Length: 11.32 Miles

Date of Allocation: 8/11/2022

Name of Model Used: SWQM

Allocation Type: Annual

Model Completed by: Brian Haigler

Type of Model Used: Calibrated / Verified

Allocation Developed by: Water Quality Branch

Waste Load Allocation Summary

	Conventional Parameters				Other Parameters			
	Qw	MGD	Qw	MGD	Qw	MGD	Qw	MGD
Annual Effluent Limits	Season		Season		Season		Season	
Qw 7.12 MGD	From		From		From		From	
CBOD5 3.5 mg/L	Through		Through		Through		Through	
NH3-N 1 mg/L	CBOD5		CBOD5		TP		TP	
TKN 5 mg/L	NH3-N		NH3-N		TN		TN	
D.O. 6 mg/L	TKN		TKN		TSS		TSS	
	D.O.		D.O.					

"Monitor Only" Parameters for Effluent:				Parameter	Frequency	Parameter	Frequency
				TP	Monthly		
				NO2+NO3-N	Monthly		

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

Hydrology at Discharge Location

Drainage Area Qualifier	Drainage Area	sq mi
Exact	23.2	sq mi
	Stream 7Q10	8.52 cfs
	Stream 1Q10	6.39 cfs
	Stream 7Q2	15.4 cfs
	Annual Average	37.99 cfs

Method Used to Calculate

Bingham Equation
75% of 7Q10
Bingham Equation
ADEM Estimate w/USGS Gage Data

Comments and/or Notations



RECEIVED
APR 11 2022
MUNICIPAL SECTION

April 6, 2022

Alabama Dept. of Environmental Management
Municipal Section-Water Division
Attention: Stephanie Ammons
P.O. Box 301463
Montgomery, AL 36130-1463

Dear Ms. Ammons,

Per your request, please find enclosed redacted versions of the City of Dothan Little Choctawhatchee WWTP (AL0047465), New Cypress Creek WWTP (AL0072737), and Omussee Creek WWTP (AL0022764) permit renewal packages previously submitted on May 21, 2020 (LC and CY WWTPs) and November 17, 2021 (OM WWTP) for your use. The following sensitive information provided in the original permit renewal applications has been redacted as follows:

Form 1 Attachment 1B
Form 2A Attachment 1B (Little Choctawhatchee and Cypress)
Attachment 2B (Little Choctawhatchee and Cypress)
Form 2F Page 2
Attachment 3 (Omussee)
Attachment 5 (Little Choctawhatchee and Cypress)
Form 2S Attachment 6B (Omussee)
Attachment 9B (Cypress)
Attachment 10B (Little Choctawhatchee)

Sincerely,

Angie Akos, P.E.

Water Operations Superintendent, Dothan Utilities

Cc: Billy Mayes, P.E., Dothan Utilities Director
LaDon Driskell, Wastewater Treatment Supervisor

200 Kilgore Drive • Dothan, Alabama 36301
Post Office Box 2128 • Dothan, Alabama 36302
(334) 615-3300 • fax: 615-3309 • www.dothan.org

RESOLUTION NO. 2021-341

WHEREAS, the Alabama Department of Environmental Management (ADEM) requires wastewater treatment plants to renew their National Pollutant Discharge Elimination System (NPDES) permit every five years; and

WHEREAS, the Dothan Omussee Creek Wastewater Treatment Plant permit (NPDES Permit No. AL0022764) expires on May 31, 2022, and appropriate paperwork and fees have to be received by ADEM 180 days prior to the expiration date (December 2, 2021); and

WHEREAS, the City Commission desires to renew the NPDES permit.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the City of Dothan, Alabama, as follows:

Section 1. That based upon the recommendation of the Dothan Utilities Director, the City of Dothan submits to the ADEM Municipal Section Water Division the Omussee Creek Wastewater Treatment Plant permit renewal application, which said application follows:

Resolution No. 2021-341, submitting to the ADEM Municipal Section Water Division the Omussee Creek WWTP permit renewal package, continued.

Section 2. That Mark Saliba, Mayor of said City of Dothan, and in such capacity, is hereby authorized and directed to execute said documents for and in the name of the City of Dothan, Alabama, which shall be attested by the City Clerk.

PASSED, ADOPTED AND APPROVED ON November 16, 2021

Attest:

Wendy Shiver
City Clerk

Mark Saliba
Mayor

[Signature]
Associate Commissioner – District 1

[Signature]
Associate Commissioner – District 2

[Signature]
Associate Commissioner – District 3

[Signature]
Associate Commissioner – District 4

[Signature]
Associate Commissioner – District 5

[Signature]
Associate Commissioner – District 6

BOARD OF CITY COMMISSIONERS

Water Permits Division




Application Form 2A

New and Existing Publicly Owned Treatment Works

NPDES Permitting Program

Note: Complete this form if your facility is a new or existing publicly owned treatment works.

EPA Identification Number 100000105824		NPDES Permit Number AL0022764		Facility Name Omussee Creek WWTP		Form Approved 03/05/19 OMB No 2040-0004	
Form 2A NPDES				U.S. Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater NEW AND EXISTING PUBLICLY OWNED TREATMENT WORKS			
SECTION 1. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS (40 CFR 122.21(j)(1) and (9))							
Facility Information	1.1	Facility name Omussee Creek Wastewater Treatment Plant					
		Mailing address (street or P O box) P.O. BOX 2128					
		City or town Dothan			State AL		ZIP code 36302
		Contact name (first and last) Jeffrey Dykes		Title Chief Operator	Phone number (334) 726-9635		Email address jgdykes@dothan.org
		Location address (street, route number, or other specific identifier) <input type="checkbox"/> Same as mailing address 457 Jerry Dr					
		City or town Dothan			State AL		ZIP code 36303
		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				
Applicant Information	1.3	Is applicant different from entity listed under Item 1.1 above? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 1.4.					
		Applicant name City of Dothan					
		Applicant address (street or P O box) P.O. Box 2128					
		City or town Dothan			State AL		ZIP code 36302
		Contact name (first and last) Billy R. Mayes P.E.		Title Dothan Utilities Director	Phone number (334) 615-3300		Email address brmayes@dothan.org
		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)					
Existing Environmental Permits	1.6	Indicate below any existing environmental permits. (Check all that apply and print or type the corresponding permit number for each.)					
		Existing Environmental Permits					
		<input checked="" type="checkbox"/> NPDES (discharges to surface water) AL0022764		<input type="checkbox"/> RCRA (hazardous waste) N/A		<input type="checkbox"/> UIC (underground injection control) N/A	
		<input type="checkbox"/> PSD (air emissions) N/A		<input type="checkbox"/> Nonattainment program (CAA) N/A		<input type="checkbox"/> NESHAPs (CAA) N/A	
		<input type="checkbox"/> Ocean dumping (MPRSA) N/A		<input type="checkbox"/> Dredge or fill (CWA Section 404) N/A		<input type="checkbox"/> Other (specify) N/A	

EPA Identification Number
100000105824

NPDES Permit Number
AL0022764

Facility Name
Omussee Creek WWTP

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

Collection System and Population Served	17	Provide the collection system information requested below for the treatment works				
		Municipality Served	Population Served	Collection System Type (indicate percentage)		Ownership Status
		City Of Dothan	14,580	<input checked="" type="checkbox"/> 100 % separate sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain
				<input type="checkbox"/> % 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
		N/A	N/A	<input type="checkbox"/> % separate sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain
				<input type="checkbox"/> % 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
	N/A	N/A	<input type="checkbox"/> % separate sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain	
			<input type="checkbox"/> % 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	
	N/A	N/A	<input type="checkbox"/> % separate sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain	
			<input type="checkbox"/> % 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	
	Total Population Served	14,580				
			Separate Sanitary Sewer System		Combined Storm and Sanitary Sewer	
	Total percentage of each type of sewer line (in miles)		100 %		0 %	
Indian Country	18	Is the treatment works located in Indian Country? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	19	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.			Design Flow Rate	
					7.12 mgd	
		Annual Average Flow Rates (Actual)				
		Two Years Ago		Last Year		This Year
		4.95 mgd		4.29 mgd		4.78 mgd
		Maximum Daily Flow Rates (Actual)				
	Two Years Ago		Last Year		This Year	
	18.34 mgd		16.97 mgd		20.75 mgd	
Discharge Points by Type	1.11	Provide the total number of effluent discharge points to waters of the United States by type.				
		Total Number of Effluent Discharge Points by Type				
		Treated Effluent	Untreated Effluent	Combined Sewer Overflows	Bypasses	Constructed Emergency Overflows
	1	0	0	0	0	

EPA Identification Number
100000105824

NPDES Permit Number
AL0022754

Facility Name
Omussee Creek WWTP

Form Approved 3-15-19
OMB No. 2040-0044

Outfalls Other Than to Waters of the United States

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?
 Yes No → SKIP to Item 1 14

1 13 Provide the location of each surface impoundment and associated discharge information in the table below

Surface Impoundment Location and Discharge Data

Location	Average Daily Volume Discharged to Surface Impoundment	Continuous or Intermittent (check one)
N/A	N/A gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
N/A	N/A gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
N/A	N/A gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

1 14 Is wastewater applied to land?
 Yes No → SKIP to Item 1 16

1 15 Provide the land application site and discharge data requested below

Land Application Site and Discharge Data

Location	Size	Average Daily Volume Applied	Continuous or Intermittent (check one)
N/A	N/A acres	N/A gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
N/A	N/A acres	N/A gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
N/A	N/A acres	N/A gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

1 16 Is effluent transported to another facility for treatment prior to discharge?
 Yes No → SKIP to Item 1 21

1 17 Describe the means by which the effluent is transported (e.g. tank truck, pipe)
 N/A

1 18 Is the effluent transported by a party other than the applicant?
 Yes No → SKIP to Item 1 20

1 19 Provide information on the transporter below

Transporter Data

Entity name N/A	Mailing address (street or P.O. box) N/A	
City or town N/A	State N/A	ZIP code N/A
Contact name (first and last) N/A	Title N/A	
Phone number	Email address N/A	

Outfalls and Other Discharge or Disposal Methods

EPA Identification Number 100000105824		NPDES Permit Number A100227b4		Facility Name Onnissac Creek WWTF		Form Approved 10/05/19 OMB No. 1545-0044		
Outfalls and Other Discharge or Disposal Methods Continued	1 20	In the table below indicate the name, address, contact information, NPDES number, and average daily flow rate of the receiving facility.						
	Receiving Facility Data							
	Facility name N/A			Mailing address (street or P.O. box) N/A				
	City or town N/A		State N/A		ZIP code N/A			
	Contact name (first and last) N/A			Title N/A				
	Phone number			Email address N/A				
NPDES number of receiving facility (if any) <input type="checkbox"/> None			Average daily flow rate N/A mgd					
Outfalls and Other Discharge or Disposal Methods Continued	1 21	Is the wastewater disposed of in a manner other than those already mentioned in Items 1 14 through 1 21 that do not have outlets to waters of the United States (e.g., underground percolation, underground injection)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1 23						
	1 22	Provide information in the table below on these other disposal methods.						
	Information on Other Disposal Methods							
	Disposal Method Description		Location of Disposal Site	Size of Disposal Site	Annual Average Daily Discharge Volume	Continuous or Intermittent (check one)		
	N/A		N/A	N/A acres	N/A gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent		
	N/A		N/A	N/A acres	N/A gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent		
N/A		N/A	N/A acres	N/A gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent			
Variance Requests	1 23	Do you intend to request or renew one or more of the variances authorized at 40 CFR 122.21(n)? (Check all that apply. Consult with your NPDES permitting authority to determine what information needs to be submitted and when.) <input type="checkbox"/> Discharges into marine waters (CWA Section 301(h)) <input type="checkbox"/> Water quality related effluent limitation (CWA Section 302(b)(2)) <input checked="" type="checkbox"/> Not applicable						
	1 24	Are any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a contractor? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 2						
Contractor Information	1 25	Provide location and contact information for each contractor in addition to a description of the contractor's operational and maintenance responsibilities.						
	Contractor Information							
			Contractor 1		Contractor 2		Contractor 3	
	Contractor name (company name)		N/A		N/A		N/A	
	Mailing address (street or P.O. box)		N/A		N/A		N/A	
	City, state, and ZIP code		N/A		N/A		N/A	
	Contact name (first and last)		N/A		N/A		N/A	
	Phone number							
	Email address		N/A		N/A		N/A	
Operational and maintenance responsibilities of contractor		N/A		N/A		N/A		

EPA Identification Number
100000105824

NPDES Permit Number
AL0022764

Facility Name
Omussee Creek WWTP

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

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

Outfalls to Waters of the United States						
Design Flow	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.				
Inflow and Infiltration	2.2	Provide the treatment works' current average daily volume of inflow and infiltration	Average Daily Volume of Inflow and Infiltration			
		Indicate the steps the facility is taking to minimize inflow and infiltration. The City has implemented numerous Management, Operation and maintenance (MOM) programs as developed from the City's EPA Administrative Order. These programs require continuous sanitary sewer assessments, system maintenance, inspections, and corrective actions/projects via the City's Infrastructure Rehabilitation Program. <p style="text-align: right;">650,000 gpd</p>				
Topographic Map	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				
Flow Diagram	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				
Scheduled Improvements and Schedules of Implementation	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. N/A				
		2. N/A				
		3. N/A				
		4. N/A				
2.6	Provide scheduled or actual dates of completion for improvements.					
	Scheduled or Actual Dates of Completion for Improvements					
	Scheduled Improvement (from above)	Affected Outfalls (list outfall number)	Begin Construction (MM/DD/YYYY)	End Construction (MM/DD/YYYY)	Begin Discharge (MM/DD/YYYY)	Attainment of Operational Level (MM/DD/YYYY)
	1.	N/A				
	2.	N/A				
	3.	N/A				
	4.	N/A				
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 checked="" type="checkbox"/> None required or applicable					
	Explanation: N/A					

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

Description of Outfalls	3.1	Provide the following information for each outfall. (Attach additional sheets if you have more than three outfalls.)					
		Outfall Number 0011		Outfall Number N/A		Outfall Number N/A	
	State	Alabama		N/A		N/A	
	County	Houston		N/A		N/A	
	City or town	Dothan		N/A		N/A	
	Distance from shore	N/A ft.		N/A ft.		N/A ft.	
	Depth below surface	N/A ft.		N/A ft.		N/A ft.	
	Average daily flow rate	N/A mgd		N/A mgd		N/A mgd	
	Latitude	31° 15' 40.3" N		N/A° N/A' N/A"		N/A° N/A' N/A"	
	Longitude	85° 19' 46" W		N/A° N/A' N/A"		N/A° N/A' N/A"	
Seasonal or Periodic Discharge Data	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					
		Outfall Number N/A		Outfall Number N/A		Outfall Number N/A	
	Number of times per year discharge occurs	N/A		N/A		N/A	
	Average duration of each discharge (specify units)	N/A		N/A		N/A	
Average flow of each discharge	N/A mgd		N/A mgd		N/A mgd		
Months in which discharge occurs	N/A		N/A		N/A		
Diffuser Type	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.					
		Outfall Number N/A		Outfall Number N/A		Outfall Number N/A	
		N/A		N/A		N/A	
Waters of the U.S.	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.					

EPA Identification Number
100000105824

NPDES Permit Number
AL0022764

Facility Name
Omussee Creek WWTP

Form Approved 03 05 19
OMB No 2040-0004

Receiving Water Description	3.7 Provide the receiving water and related information (if known) for each outfall.			
		Outfall Number <u>0011</u>	Outfall Number <u>N/A</u>	Outfall Number <u>N/A</u>
	Receiving water name	Omussee Creek	N/A	N/A
	Name of watershed, river, or stream system	Lower Chattahoochee	N/A	N/A
	U.S. Soil Conservation Service 14-digit watershed code	03130004060069	N/A	N/A
	Name of state management/river basin	Chattahoochee River	N/A	N/A
	U.S. Geological Survey 8-digit hydrologic cataloging unit code	03130004	N/A	N/A
	Critical low flow (acute)	4.62 cfs	N/A cfs	N/A cfs
	Critical low flow (chronic)	6.16 cfs	N/A cfs	N/A cfs
	Total hardness at critical low flow	N/A mg/L of CaCO ₃	N/A mg/L of CaCO ₃	N/A mg/L of CaCO ₃
Treatment Description	3.8 Provide the following information describing the treatment provided for discharges from each outfall.			
		Outfall Number <u>0011</u>	Outfall Number <u>N/A</u>	Outfall Number <u>N/A</u>
	Highest Level of Treatment (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) N/A	<input type="checkbox"/> Primary <input type="checkbox"/> Equivalent to secondary <input type="checkbox"/> Secondary <input type="checkbox"/> Advanced <input type="checkbox"/> Other (specify) N/A	<input type="checkbox"/> Primary <input type="checkbox"/> Equivalent to secondary <input type="checkbox"/> Secondary <input type="checkbox"/> Advanced <input type="checkbox"/> Other (specify) N/A
	Design Removal Rates by Outfall	85.00	N/A	N/A
	BOD ₅ or CBOD ₅	85.00 %	N/A %	N/A %
	TSS	85.00 %	N/A %	N/A %
	Phosphorus	<input checked="" type="checkbox"/> Not applicable N/A %	<input checked="" type="checkbox"/> Not applicable N/A %	<input checked="" type="checkbox"/> Not applicable N/A %
	Nitrogen	<input checked="" type="checkbox"/> Not applicable N/A %	<input checked="" type="checkbox"/> Not applicable N/A %	<input checked="" type="checkbox"/> Not applicable N/A %
	Other (specify)	<input checked="" type="checkbox"/> Not applicable	<input checked="" type="checkbox"/> Not applicable	<input checked="" type="checkbox"/> Not applicable
	N/A	N/A %	N/A %	N/A %

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
Trojan UV3000Plus Ultraviolet system designed for an average flow of 7.12 mgd All seasons

	Outfall Number 0011	Outfall Number N/A	Outfall Number N/A
Disinfection type	Ultraviolet	N/A	N/A
Seasons used	ALL	N/A	N/A
Dechlorination used?	<input checked="" type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" 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?
 Yes 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?
 Yes 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 0011		Outfall Number _____		Outfall Number _____	
	Acute	Chronic	Acute	Chronic	Acute	Chronic
Number of tests of discharge water	N/A	8	N/A	N/A	N/A	N/A
Number of tests of receiving water	N/A	N/A	N/A	N/A	N/A	N/A

3 13 Does the treatment works have a design flow greater than or equal to 0.1 mgd?
 Yes 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?
 Yes → Complete Table B including chlorine 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?
 Yes No

3.16 Does one or more of the following conditions apply?

- The facility has a design flow greater than or equal to 1 mgd.
- The POTW has an approved pretreatment program or is required to develop such a program
- 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).

 Yes → Complete Tables C D and E as applicable 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?
 Yes 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?
 Yes No additional sampling required by NPDES permitting authority

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Effluent Testing Data Continued

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.	
	Date(s) Submitted (MM/DD/YYYY)	Summary of Results
		See Attachment 2
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:	
	N/A	
3.24	Has the treatment works conducted a toxicity reduction evaluation?	
	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No → SKIP to Item 3.26.
3.25	Provide details of any toxicity reduction evaluations conducted.	
	N/A	
3.26	Have you completed Table E for all applicable outfalls and attached the results to the application package?	
	<input checked="" type="checkbox"/> Yes	<input 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))

Industrial Discharges and Hazardous Wastes

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.	
	Number of SIUs	Number of NSCIUs
	4	0
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 type="checkbox"/> Yes	<input checked="" 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.	
	N/A	
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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Industrial Discharges and Hazardous Wastes Continued

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				
	Hazardous Waste Number	Waste Transport Method (check all that apply)		Annual Amount of Waste Received	Units
	N/A	<input type="checkbox"/> Truck <input type="checkbox"/> Dedicated pipe	<input type="checkbox"/> Rail <input type="checkbox"/> Other (specify) N/A N/A	N/A	N/A
	N/A	<input type="checkbox"/> Truck <input type="checkbox"/> Dedicated pipe	<input type="checkbox"/> Rail <input type="checkbox"/> Other (specify) N/A N/A	N/A	N/A
	N/A	<input type="checkbox"/> Truck <input type="checkbox"/> Dedicated pipe	<input type="checkbox"/> Rail <input type="checkbox"/> Other (specify) N/A N/A	N/A	N/A
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		

SECTION 5. COMBINED SEWER OVERFLOWS (40 CFR 122.21(j)(8))

CSO Map and Diagram

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 <u>N/A</u>	CSO Outfall Number <u>N/A</u>	CSO Outfall Number <u>N/A</u>
	City or town	N/A	N/A	N/A
	State and ZIP code	N/A	N/A	N/A
	County	N/A	N/A	N/A
	Latitude	N/A° N/A' N/A"	N/A° N/A' N/A"	N/A° N/A' N/A"
	Longitude	N/A° N/A' N/A"	N/A° N/A' N/A"	N/A° N/A' N/A"
	Distance from shore	N/A ft.	N/A ft.	N/A ft.
Depth below surface	N/A ft.	N/A ft.	N/A 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 <u>N/A</u>	CSO Outfall Number <u>N/A</u>	CSO Outfall Number <u>N/A</u>
	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 <u>N/A</u>	CSO Outfall Number <u>N/A</u>	CSO Outfall Number <u>N/A</u>
	Number of CSO events in the past year	N/A events	N/A events	N/A events
	Average duration per event	N/A hours <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	N/A hours <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	N/A hours <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated
	Average volume per event	N/A million gallons <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	N/A million gallons <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	N/A million gallons <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated
Minimum rainfall causing a CSO event in last year	N/A inches of rainfall <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	N/A inches of rainfall <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	N/A inches of rainfall <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	

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CSO Receiving Waters

5.7

Provide the information in the table below for each of your CSO outfalls.

	CSO Outfall Number <small>N/A</small>	CSO Outfall Number <small>N/A</small>	CSO Outfall Number <small>N/A</small>
Receiving water name	N/A	N/A	N/A
Name of watershed/ stream system	N/A	N/A	N/A
U.S. Soil Conservation Service 14-digit watershed code (if known)	<input type="checkbox"/> Unknown N/A	<input type="checkbox"/> Unknown N/A	<input type="checkbox"/> Unknown N/A
Name of state management/river basin	N/A	N/A	N/A
U.S. Geological Survey 8-Digit Hydrologic Unit Code (if known)	<input type="checkbox"/> Unknown N/A	<input type="checkbox"/> Unknown N/A	<input type="checkbox"/> Unknown N/A
Description of known water quality impacts on receiving stream by CSO (see instructions for examples)	N/A	N/A	N/A

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

Checklist and Certification Statement

6.1


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.

Column 1	Column 2
<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 checked="" type="checkbox"/> w/ process flow diagram <input type="checkbox"/> w/ additional attachments
<input checked="" type="checkbox"/> Section 3: Information on Effluent Discharges	<input checked="" type="checkbox"/> w/ Table A <input checked="" type="checkbox"/> w/ Table D <input checked="" type="checkbox"/> w/ Table B <input checked="" type="checkbox"/> w/ Table E <input checked="" type="checkbox"/> w/ Table C <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/ Table F <input type="checkbox"/> w/ additional attachments
<input checked="" type="checkbox"/> Section 5: Combined Sewer Overflows	<input type="checkbox"/> w/ CSO map <input type="checkbox"/> w/ additional attachments <input type="checkbox"/> w/ CSO system diagram
<input checked="" type="checkbox"/> Section 6: Checklist and Certification Statement	<input type="checkbox"/> w/ attachments

6.2

Certification Statement

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

Name (print or type first and last name) Mark Saliba	Official title Mayor, City of Dothan
Signature 	Date signed 11-16-2021

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TABLE A. EFFLUENT PARAMETERS FOR ALL POTWS							
Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Biochemical oxygen demand <input type="checkbox"/> BOD ₅ or <input checked="" type="checkbox"/> CBOD ₅ (report one)	<2.00	mg/l	<2.00	mg/l	3	SM 5210 B. 2011	2.00 mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Fecal coliform	19.9	MPN/100mL	7.6	MPN/100mL	3	Colilert 18	1/100 ml <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Design flow rate	4.71	MGD	3.89	MGD	3		
pH (minimum)	7.08	S.U.					
pH (maximum)	7.98	S.U.					
Temperature (winter)	N/A	N/A	N/A	N/A	N/A		
Temperature (summer)	N/A	N/A	N/A	N/A	N/A		
Total suspended solids (TSS)	<2.00	mg/l	<2.00	mg/l	3	SM 2540 D. 2011	2.00 mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL

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

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TABLE B. 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 ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Ammonia (as N)	< 0.100	mg/l	< 0.100	mg/l	3	SM4500-NH3 D 2011	0.10 mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chlorine (total residual, TRC) ²	N/A	N/A	N/A	N/A	N/A	N/A	N/A <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Dissolved oxygen	9.25	mg/l	8.40	mg/l	3	SM4500-0-G	0.5 mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Nitrate/nitrite	34.0	mg/l	28.5	mg/l	3	Hach 10206	0.30 mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Kjeldahl nitrogen	< 2.00	mg/l	< 2.00	mg/l	3	Hach 10242	1.0 mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Oil and grease	5.32	mg/l	2.78	mg/l	3	EPA 1664A	1.65 mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Phosphorus	6.10	mg/l	5.45	mg/l	3	EPA 365.3 (1978)	0.1 mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Total dissolved solids	471	mg/l	410	mg/l	3	SM 2540 C 2011	2.00 mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL

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

² 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 ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Metals, Cyanide, and Total Phenols							
Hardness (as CaCO ₃)	117	mg/l	101.9	mg/l	3	130.1	30.0mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Antimony, total recoverable	< 0.00200	mg/l	< 0.00200	mg/l	3	200.8	0.002mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Arsenic, total recoverable	< 0.00100	mg/l	< 0.00100	mg/l	3	200.8	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Beryllium, total recoverable	< 0.00200	mg/l	< 0.00200	mg/l	3	200.7	0.002mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Cadmium, total recoverable	< 0.00100	mg/l	< 0.00100	mg/l	3	200.8	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chromium, total recoverable	< 0.00100	mg/l	< 0.00100	mg/l	3	200.8	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Copper, total recoverable	0.0109	mg/l	0.00872	mg/l	3	200.8	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Lead, total recoverable	< 0.00100	mg/l	< 0.00100	mg/l	3	200.8	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Mercury, total recoverable	0.766	ng/l	0.492	ng/l	3	EPA 1631E	0.500ng/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Nickel, total recoverable	0.00148	mg/l	0.000886	mg/l	3	200.7	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Selenium, total recoverable	< 0.0100	mg/l	< 0.0100	mg/l	3	200.7	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Silver, total recoverable	< 0.00500	mg/l	< 0.00500	mg/l	3	200.7	0.005mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Thallium, total recoverable	< 0.00100	mg/l	< 0.00100	mg/l	3	200.8	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Zinc, total recoverable	0.0356	mg/l	0.0205	mg/l	3	200.7	0.05mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Cyanide	< 0.00500	mg/l	< 0.00500	mg/l	3	4500CN E-2011	0.005mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Total phenolic compounds	< 0.040	mg/l	< 0.040	mg/l	3	420.4	0.04mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Volatile Organic Compounds							
Acrolein	< 0.0500	mg/l	< 0.0500	mg/l	3	624.1	0.05mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Acrylonitrile	< 0.0500	mg/l	< 0.0500	mg/l	3	624.1	0.05mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzene	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bromoform	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <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 ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Carbon tetrachloride	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chlorobenzene	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chlorodibromomethane	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chloroethane	< 0.00500	mg/l	< 0.00500	mg/l	3	624.1	0.005mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2-chloroethylvinyl ether	< 0.0500	mg/l	< 0.0500	mg/l	3	624.1	0.05mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chloroform	< 0.00500	mg/l	< 0.00500	mg/l	3	624.1	0.005mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Dichlorobromomethane	< 0.00500	mg/l	< 0.00500	mg/l	3	624.1	0.005mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1-dichloroethane	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,2-dichloroethane	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
trans-1,2-dichloroethylene	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1-dichloroethylene	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,2-dichloropropane	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,3-dichloropropylene	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Ethylbenzene	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Methyl bromide	< 0.00500	mg/l	< 0.00500	mg/l	3	624.1	0.005mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Methyl chloride	< 0.00500	mg/l	< 0.00500	mg/l	3	624.1	0.005mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Methylene chloride	< 0.00500	mg/l	< 0.00500	mg/l	3	624.1	0.005mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1,2,2-tetrachloroethane	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Tetrachloroethylene	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Toluene	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1,1-trichloroethane	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1,2-trichloroethane	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <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 ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Trichloroethylene	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Vinyl chloride	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Acid-Extractable Compounds							
p-chloro-m-cresol	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2-chlorophenol	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4-dichlorophenol	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4-dimethylphenol	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
4,6-dinitro-o-cresol	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4-dinitrophenol	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2-nitrophenol	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
4-nitrophenol	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Pentachlorophenol	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Phenol	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4,6-trichlorophenol	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Base-Neutral Compounds							
Acenaphthene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Acenaphthylene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Anthracene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzidine	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzo(a)anthracene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzo(a)pyrene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
3,4-benzofluoranthene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <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 ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Benzo(ghi)perylene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzo(k)fluoranthene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bis (2-chloroethoxy) methane	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bis (2-chloroethyl) ether	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bis (2-chloroisopropyl) ether	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bis (2-ethylhexyl) phthalate	0.0110	mg/l	0.00367	mg/l	3	625.1	0.003mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
4-bromophenyl phenyl ether	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Butyl benzyl phthalate	< 0.00300	mg/l	< 0.00300	mg/l	3	625.1	0.003mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2-chloronaphthalene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
4-chlorophenyl phenyl ether	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chrysene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
di-n-butyl phthalate	< 0.00300	mg/l	< 0.00300	mg/l	3	625.1	0.003mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
di-n-octyl phthalate	< 0.00300	mg/l	< 0.00300	mg/l	3	625.1	0.003mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Dibenzo(a,h)anthracene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,2-dichlorobenzene	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,3-dichlorobenzene	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,4-dichlorobenzene	< 0.00100	mg/l	< 0.00100	mg/l	3	624.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
3,3-dichlorobenzidine	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Diethyl phthalate	< 0.00300	mg/l	< 0.00300	mg/l	3	625.1	0.003mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Dimethyl phthalate	< 0.00300	mg/l	< 0.00300	mg/l	3	625.1	0.003mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4-dinitrotoluene	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,6-dinitrotoluene	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <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 ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
1,2-diphenylhydrazine	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Fluoranthene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Fluorene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Hexachlorobenzene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Hexachlorobutadiene	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Hexachlorocyclo-pentadiene	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Hexachloroethane	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Indeno(1,2,3-cd)pyrene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Isophorone	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Naphthalene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Nitrobenzene	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
N-nitrosodi-n-propylamine	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
N-nitrosodimethylamine	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
N-nitrosodiphenylamine	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Phenanthrene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Pyrene	< 0.00100	mg/l	< 0.00100	mg/l	3	625.1	0.001mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,2,4-trichlorobenzene	< 0.0100	mg/l	< 0.0100	mg/l	3	625.1	0.01mg/l <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL

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

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TABLE D. ADDITIONAL POLLUTANTS AS REQUIRED BY NPDES PERMITTING AUTHORITY

Pollutant (list)	Maximum Daily Discharge		Average Daily Discharge			Analytical Method ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
<input checked="" type="checkbox"/> No additional sampling is required by NPDES permitting authority							
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL
N/A	N/A	N/A	N/A	N/A	N/A	N/A	<input type="checkbox"/> ML <input type="checkbox"/> MDL

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

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TABLE E. 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 <u>1</u>	Test Number <u>2</u>	Test Number <u>N/A</u>
Test species	Ceriodaphnia dubia	Pimephales promelas	N/A
Age at initiation of test	<24 hrs	24-36 hrs	
Outfall number	0011	0011	
Date sample collected	11/13/2017	11/13/2017	
Date test started	11/14/2017	11/14/2017	
Duration	3 brood	7-day	
Toxicity Test Methods			
Test method number	EPA Method 1002.0	EPA Method 1000.0	
Manual title	EPA Chronic Manual Edition EPA-821-R-02-013	EPA Chronic Manual Edition EPA-821-R-02-013	N/A
Edition number and year of publication	Fourth Edition; October 2002	Fourth Edition; October 2002	
Page number(s)	141-196	53-111	
Sample Type			
Check one:	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> 24-hour composite	<input type="checkbox"/> Grab <input checked="" 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 checked="" type="checkbox"/> After Disinfection <input type="checkbox"/> After Dechlorination	<input type="checkbox"/> Before Disinfection <input checked="" 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	Sample was collected November 2017 Test Final Effluent at 0011.	Sample was collected November 2017 Test Final Effluent at 0011	N/A
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 checked="" type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input checked="" type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Both

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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 <u>1</u>	Test Number <u>2</u>	Test Number <u>N/A</u>
Test Type			
Indicate the type of test performed (Check one response)	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through
Source of Dilution Water			
Indicate the source of dilution water (Check one response)	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water
If laboratory water, specify type.	Moderately Hard SDW	Moderately Hard SDW	N/A
If receiving water, specify source			N/A
Type of Dilution Water			
Indicate the type of dilution water. If salt water specify "natural" or type of artificial sea salts or brine used	<input checked="" type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input checked="" type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)
Percentage Effluent Used			
Specify the percentage effluent used for all concentrations in the test series.	65%	65%	N/A
	65%	65%	N/A
	65%	65%	N/A
Parameters Tested			
Check the parameters tested	<input checked="" type="checkbox"/> pH <input type="checkbox"/> Salinity <input type="checkbox"/> Temperature	<input type="checkbox"/> Ammonia <input type="checkbox"/> Dissolved oxygen	<input checked="" 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
Acute Test Results			
Percent survival in 100% effluent	N/A %	N/A %	N/A %
LC ₅₀	N/A	N/A	N/A
95% confidence interval	N/A %	N/A %	N/A %
Control percent survival	N/A %	N/A %	N/A %

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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 <u>1</u>	Test Number <u>2</u>	Test Number <u>N/A</u>
Acute Test Results Continued			
Other (describe)	N/A	N/A	N/A
Chronic Test Results			
NOEC	65 (Pass) %	65 (Pass) %	N/A %
IC ₂₅	N/A %	N/A %	N/A %
Control percent survival	100 %	97.5 %	N/A %
Other (describe)	N/A	N/A	N/A
Quality Control/Quality Assurance			
Is reference toxicant data available?	<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
Was reference toxicant test within acceptable bounds?	<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
What date was reference toxicant test run (MM/DD/YYYY)?			
Other (describe)	N/A	N/A	N/A

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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 ³	Test Number ⁴	Test Number ^{N/A}
Test species	Ceriodaphnia dubia	Pimephales promelas	N/A
Age at initiation of test	<24 hrs	24-36 hrs	
Outfall number	0011	0011	
Date sample collected	11/05/2018	11/05/2018	
Date test started	11/06/2018	11/06/2018	
Duration	3 brood	7 day	
Toxicity Test Methods			
Test method number	EPA Method 1002.0	EPA Method 1000.0	
Manual title	EPA Chronic Manual Edition EPA 821 R 02-013	EPA Chronic Manual Edition EPA 821 R 02 013	N/A
Edition number and year of publication	Fourth Edition; October 2002	Fourth Edition; October 2002	
Page number(s)	141-196	53-111	
Sample Type			
Check one:	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> 24-hour composite	<input type="checkbox"/> Grab <input checked="" 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 checked="" type="checkbox"/> After Disinfection <input type="checkbox"/> After Dechlorination	<input type="checkbox"/> Before Disinfection <input checked="" 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	Sample was collected November 2018 Test Final Effluent at 0011	Sample was collected November 2018 Test Final Effluent at 0011	N/A
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 checked="" type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input checked="" type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Both

EPA Identification Number
100000105824

NPDES Permit Number
AL0022764

Facility Name
Omussee Creek WWTP

Outfall Number
0011

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

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 <u>3</u>	Test Number <u>4</u>	Test Number <u>N/A</u>			
Test Type						
Indicate the type of test performed (Check one response)	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through			
Source of Dilution Water						
Indicate the source of dilution water. (Check one response)	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water			
If laboratory water specify type	Moderately Hard SDW	Moderately Hard SDW	N/A			
If receiving water specify source			N/A			
Type of Dilution Water						
Indicate the type of dilution water. If salt water specify "natural" or type of artificial sea salts or brine used	<input checked="" type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input checked="" type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)			
Percentage Effluent Used						
Specify the percentage effluent used for all concentrations in the test series.	65%	65%	N/A			
	65%	65%	N/A			
	65%	65%	N/A			
Parameters Tested						
Check the parameters tested.	<input checked="" type="checkbox"/> pH <input type="checkbox"/> Salinity <input type="checkbox"/> Temperature	<input type="checkbox"/> Ammonia <input type="checkbox"/> Dissolved oxygen	<input checked="" 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
Acute Test Results						
Percent survival in 100% effluent	N/A %	N/A %	N/A %			
LC50	N/A	N/A	N/A			
95% confidence interval	N/A %	N/A %	N/A %			
Control percent survival	N/A %	N/A %	N/A %			

EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility Name Omussee Creek WWTP	Outfall Number 0011
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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 ³ _____	Test Number ⁴ _____	Test Number <u>N/A</u>
Acute Test Results Continued			
Other (describe)	N/A	N/A	N/A
Chronic Test Results			
NOEC	65 (Pass) %	65 (Pass) %	N/A %
IC ₂₅	N/A %	N/A %	N/A %
Control percent survival	90 %	85 %	N/A %
Other (describe)	N/A	N/A	N/A
Quality Control/Quality Assurance			
Is reference toxicant data available?	<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
Was reference toxicant test within acceptable bounds?	<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
What date was reference toxicant test run (MM/DD/YYYY)?			
Other (describe)	N/A	N/A	N/A

EPA Identification Number
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Outfall Number
0011

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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 <u>5</u>	Test Number <u>6</u>	Test Number <u>N/A</u>
Test species	<i>Ceriodaphnia dubia</i>	<i>Pimephales promelas</i>	N/A
Age at initiation of test	<24 hrs	24-36 hrs	
Outfall number	0011	0011	
Date sample collected	11/18/2019	11/04/2019	
Date test started	11/19/2019	11/05/2019	
Duration	3 brood	7 day	
Toxicity Test Methods			
Test method number	EPA Method 1002.0	EPA Method 1000.0	
Manual title	EPA Chronic Manual Edition EPA 821 R 02 013	EPA Chronic Manual Edition EPA 821 R 02 013	N/A
Edition number and year of publication	Fourth Edition, October 2007	Fourth Edition, October 2002	
Page number(s)	141-196	53-111	
Sample Type			
Check one	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> 24-hour composite	<input type="checkbox"/> Grab <input checked="" 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 checked="" type="checkbox"/> After Disinfection <input type="checkbox"/> After Dechlorination	<input type="checkbox"/> Before Disinfection <input checked="" 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	Sample was collected November 2019 Test Final Effluent at 0011.	Sample was collected November 2019 Test Final Effluent at 0011	N/A
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 checked="" type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input checked="" type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Both

EPA Identification Number
100000105824

NPDES Permit Number
AL0022764

Facility Name
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Outfall Number
0011

Form Approved 03/05/19
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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 <u>5</u>	Test Number <u>6</u>	Test Number <u>N/A</u>
Test Type			
Indicate the type of test performed (Check one response)	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through
Source of Dilution Water			
Indicate the source of dilution water (Check one response)	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water
If laboratory water specify type	Moderately Hard SDW	Moderately Hard SDW	N/A
If receiving water specify source			N/A
Type of Dilution Water			
Indicate the type of dilution water. If salt water, specify "natural" or type of artificial sea salts or brine used	<input checked="" type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input checked="" type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)
Percentage Effluent Used			
Specify the percentage effluent used for all concentrations in the test series	65%	65%	N/A
	65%	65%	N/A
	65%	65%	N/A
Parameters Tested			
Check the parameters tested.	<input checked="" type="checkbox"/> pH <input type="checkbox"/> Salinity <input type="checkbox"/> Temperature	<input type="checkbox"/> Ammonia <input type="checkbox"/> Dissolved oxygen	<input checked="" 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
Acute Test Results			
Percent survival in 100% effluent	N/A %	N/A %	N/A %
LC ₅₀	N/A	N/A	N/A
95% confidence interval	N/A %	N/A %	N/A %
Control percent survival	N/A %	N/A %	N/A %

EPA Identification Number
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NPDES Permit Number
A10022764

Facility Name
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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 ⁵	Test Number ⁶	Test Number ^{N/A}
Acute Test Results Continued			
Other (describe)	N/A	N/A	N/A
Chronic Test Results			
NOEC	65 (Pass) %	65 (Pass) %	N/A %
IC	N/A %	N/A %	N/A %
Control percent survival	100 %	97.5 %	N/A %
Other (describe)	N/A	N/A	N/A
Quality Control/Quality Assurance			
Is reference toxicant data available?	<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
Was reference toxicant test within acceptable bounds?	<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
What date was reference toxicant test run (MM/DD/YYYY)?			
Other (describe)	N/A	N/A	N/A

EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility Name Omussee Creek WWTP	Outfall Number 0011
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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 <u>7</u>	Test Number <u>8</u>	Test Number <u>N/A</u>
Test species	Ceriodaphnia dubia	Pimephales promelas	N/A
Age at initiation of test	<24 hrs	24-36 hrs	
Outfall number	0011	0011	
Date sample collected	11/09/2020	11/09/2020	
Date test started	11/10/2020	11/10/2020	
Duration	3-brood	7 day	
Toxicity Test Methods			
Test method number	EPA Method 1002.0	EPA Method 1000.0	
Manual title	EPA Chronic Manual Edition EPA-821-R-02-013	EPA Chronic Manual Edition EPA-821-R-02-013	N/A
Edition number and year of publication	Fourth Edition, October 2002	Fourth Edition, October 2002	
Page number(s)	141-196	53-111	
Sample Type			
Check one:	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> 24-hour composite	<input type="checkbox"/> Grab <input checked="" 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 checked="" type="checkbox"/> After Disinfection <input type="checkbox"/> After Dechlorination	<input type="checkbox"/> Before Disinfection <input checked="" 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	Sample was collected November 2020 Test Final Effluent at 0011	Sample was collected November 2020 Test Final Effluent at 0011	N/A
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 checked="" type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input checked="" type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Both

EPA Identification Number
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NPDES Permit Number
AL0022764

Facility Name
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Outfall Number
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OMB No. 2040-0004

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 <u>7</u>	Test Number <u>8</u>	Test Number <u>N/A</u>
Test Type			
Indicate the type of test performed. (Check one response.)	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through
Source of Dilution Water			
Indicate the source of dilution water. (Check one response.)	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water
If laboratory water, specify type	Moderately Hard SDW	Moderately Hard SDW	N/A
If receiving water, specify source.			N/A
Type of Dilution Water			
Indicate the type of dilution water. If salt water, specify "natural" or type of artificial sea salts or brine used.	<input checked="" type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input checked="" type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)
Percentage Effluent Used			
Specify the percentage effluent used for all concentrations in the test series.	65%	65%	N/A
	65%	65%	N/A
	65%	65%	N/A
Parameters Tested			
Check the parameters tested.	<input checked="" type="checkbox"/> pH <input type="checkbox"/> Salinity <input type="checkbox"/> Temperature	<input type="checkbox"/> Ammonia <input type="checkbox"/> Dissolved oxygen	<input checked="" 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
Acute Test Results			
Percent survival in 100% effluent	N/A %	N/A %	N/A %
LC ₅₀	N/A	N/A	N/A
95% confidence interval	N/A %	N/A %	N/A %
Control percent survival	N/A %	N/A %	N/A %

EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility Name Omussee Creek WWTP	Outfall Number 0011
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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 <u>7</u>	Test Number <u>8</u>	Test Number <u>N/A</u>
Acute Test Results Continued			
Other (describe)	N/A	N/A	N/A
Chronic Test Results			
NOEC	65 (Pass) %	65 (Pass) %	N/A %
IC ₂₅	N/A %	N/A %	N/A %
Control percent survival	100 %	100 %	N/A %
Other (describe)	N/A	N/A	N/A
Quality Control/Quality Assurance			
Is reference toxicant data available?	<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
Was reference toxicant test within acceptable bounds?	<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
What date was reference toxicant test run (MM/DD/YYYY)?			
Other (describe)	N/A	N/A	N/A

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EPA Identification Number
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Facility Name
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TABLE F. INDUSTRIAL DISCHARGE INFORMATION

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

	SIU 1	SIU 2	SIU 3
Name of SIU	Borden Dairy Company IU323500053	US Coupling and Accessories IU303500143	Wayne Farms IU303500022
Mailing address (street or P O box)	5014 Highway 84 East	P O Box 6627	808 Ross Clark Circle
City, state, and ZIP code	DOTHAN, AL 36302	Dothan, AL 36302	Dothan, AL 36303
Description of all industrial processes that affect or contribute to the discharge	Milk, Dairy, and Tea products	Metal Firehouse Coupling	Process wastewater from poultry operations
List the principal products and raw materials that affect or contribute to the SIU's discharge	Acidic groundwater and phosphorus	Cadmium, Chromium, Copper, Nickel, Zinc, Cyanide, Lead, Phosphorus	Poultry, Blood, feathers, and Bone fragments from the operation process
Indicate the average daily volume of wastewater discharged by the SIU	150,000 gpd	15,000 gpd	1,750,000 gpd
How much of the average daily volume is attributable to process flow?	N/A gpd	N/A gpd	N/A gpd
How much of the average daily volume is attributable to non-process flow?	N/A gpd	N/A gpd	N/A gpd
Is the SIU subject to local limits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the SIU subject to categorical standards?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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TABLE F. INDUSTRIAL DISCHARGE INFORMATION

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

	SIU 1	SIU 2	SIU 3
Under what categories and subcategories is the SIU subject?	N/A	40 CFR 433.12 40 CFR 403.12 40 CFR Part 136	N/A
Has the POTW experienced problems (e.g., upsets, pass-through interferences) in the past 4-5 years that are attributable to the SIU? If yes, describe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	N/A		High BOD loadings due to significant amounts of blood received have caused operational challenges. Feathers and bones received have blinded screens.

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TABLE F. INDUSTRIAL DISCHARGE INFORMATION

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

	SIU <u>1</u>	SIU <u>2</u>	SIU <u>3</u>
Name of SIU	Arcadis A092-033-GW	N/A	N/A
Mailing address (street or P.O. box)	1425 East Burdeshaw St	N/A	N/A
City, state, and ZIP code	Dothan, AL 36302	N/A	N/A
Description of all industrial processes that affect or contribute to the discharge.	Acidic groundwater that is being treated where Tristate Plant Food Fertilizer Plant was previously located.	N/A	N/A
List the principal products and raw materials that affect or contribute to the SIU's discharge.	Acidic groundwater and phosphorus	N/A	N/A
Indicate the average daily volume of wastewater discharged by the SIU.	25,000 gpd	N/A gpd	N/A gpd
How much of the average daily volume is attributable to process flow?	N/A gpd	N/A gpd	N/A gpd
How much of the average daily volume is attributable to non-process flow?	N/A gpd	N/A gpd	N/A 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

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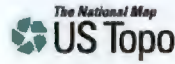
TABLE F. INDUSTRIAL DISCHARGE INFORMATION

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

	SIU <u>4</u>	SIU _____	SIU _____
Under what categories and subcategories is the SIU subject?	40 CFR 403.12 40 CFR Part 136	N/A	N/A
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.	N/A	N/A	N/A

**CITY OF DOTHAN
OMUSSEE CREEK WWTP
FORM 2A
ATTACHMENT 1**

ATTACHMENT 1A
OMUSSEE CREEK WWTP



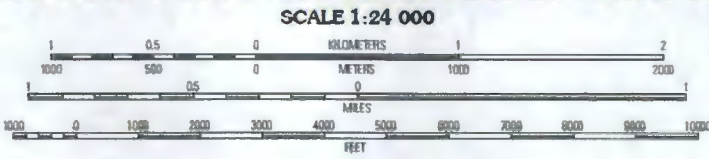
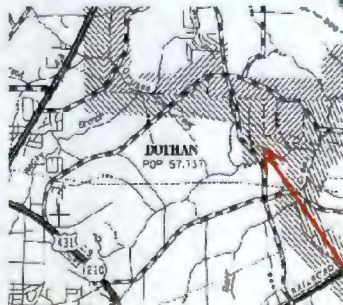
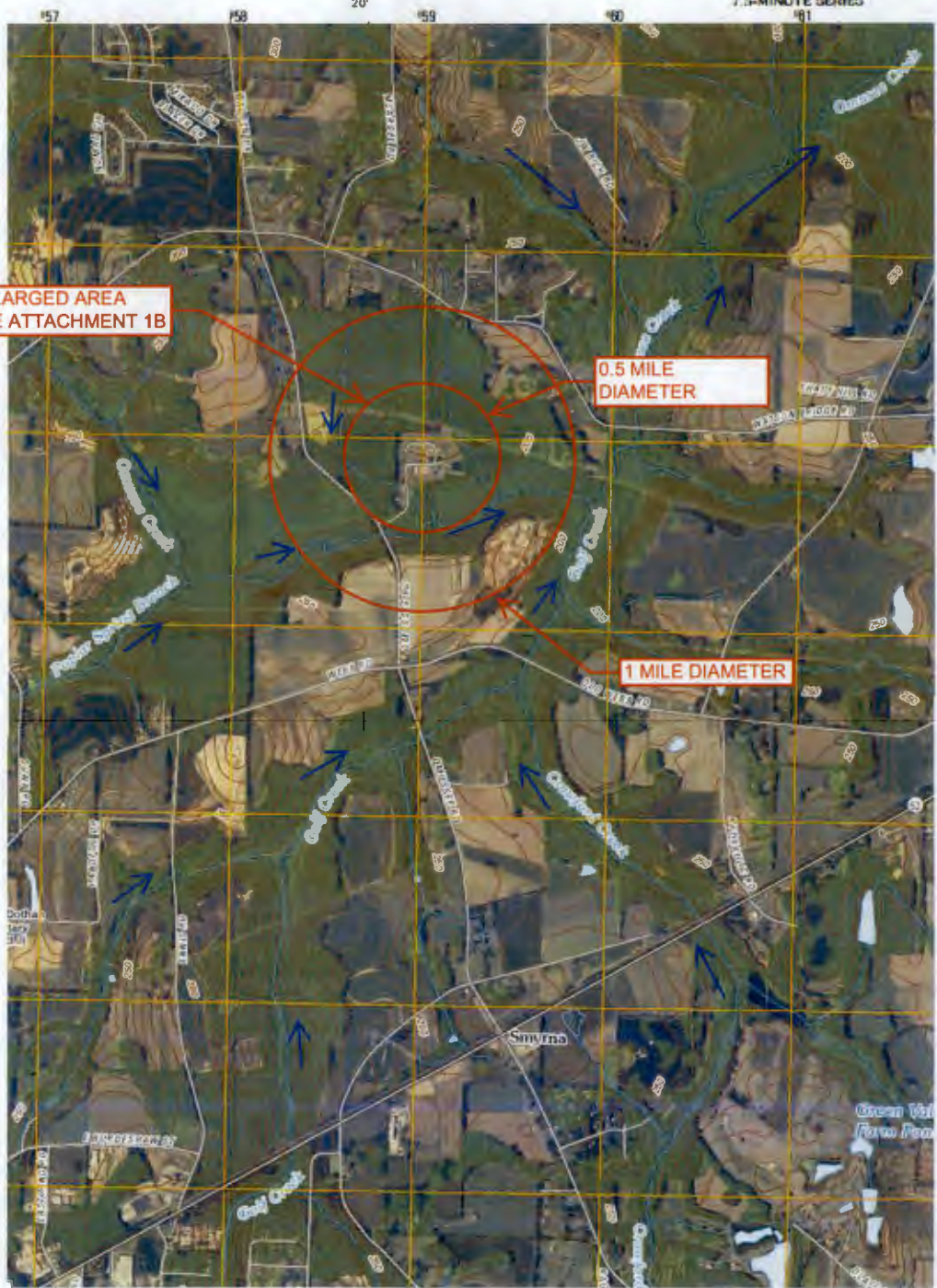
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DOTHAN EAST QUADRANGLE
ALABAMA-HOUSTON CO
7.5-MINUTE SERIES



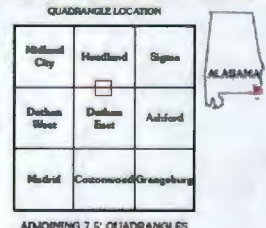
ENLARGED AREA
SEE ATTACHMENT 1B

0.5 MILE
DIAMETER

1 MILE DIAMETER



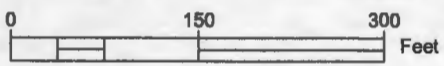
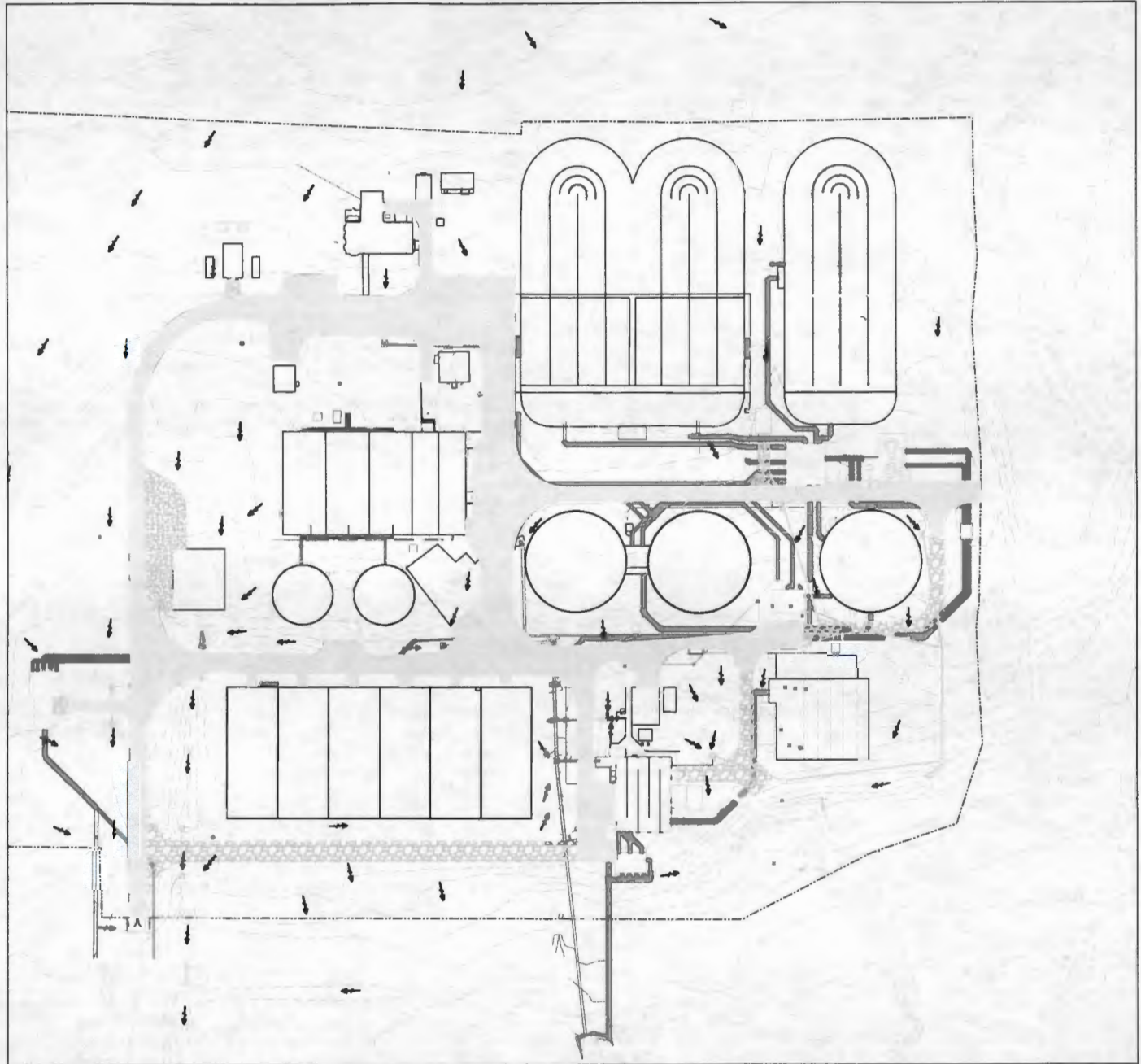
CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988



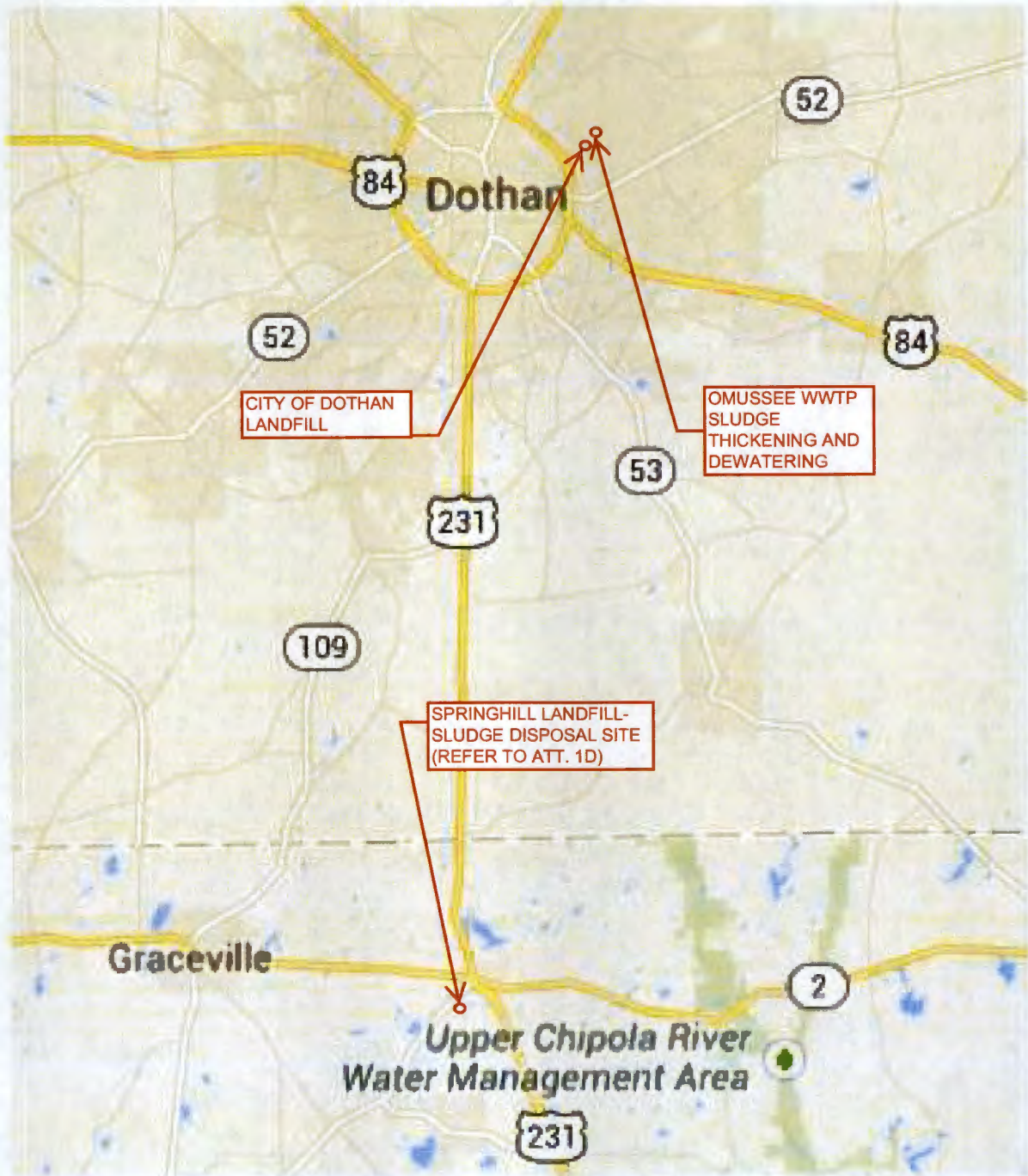
457 JERRY DRIVE

* There are no wells located within 1/4 mile of Omussee Creek Wastewater Treatment Plant.

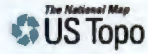
ATTACHMENT 1B
OMUSSEE CREEK WWTP



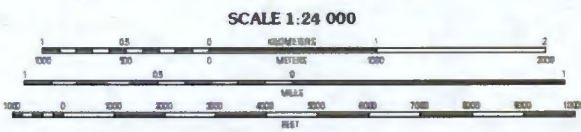
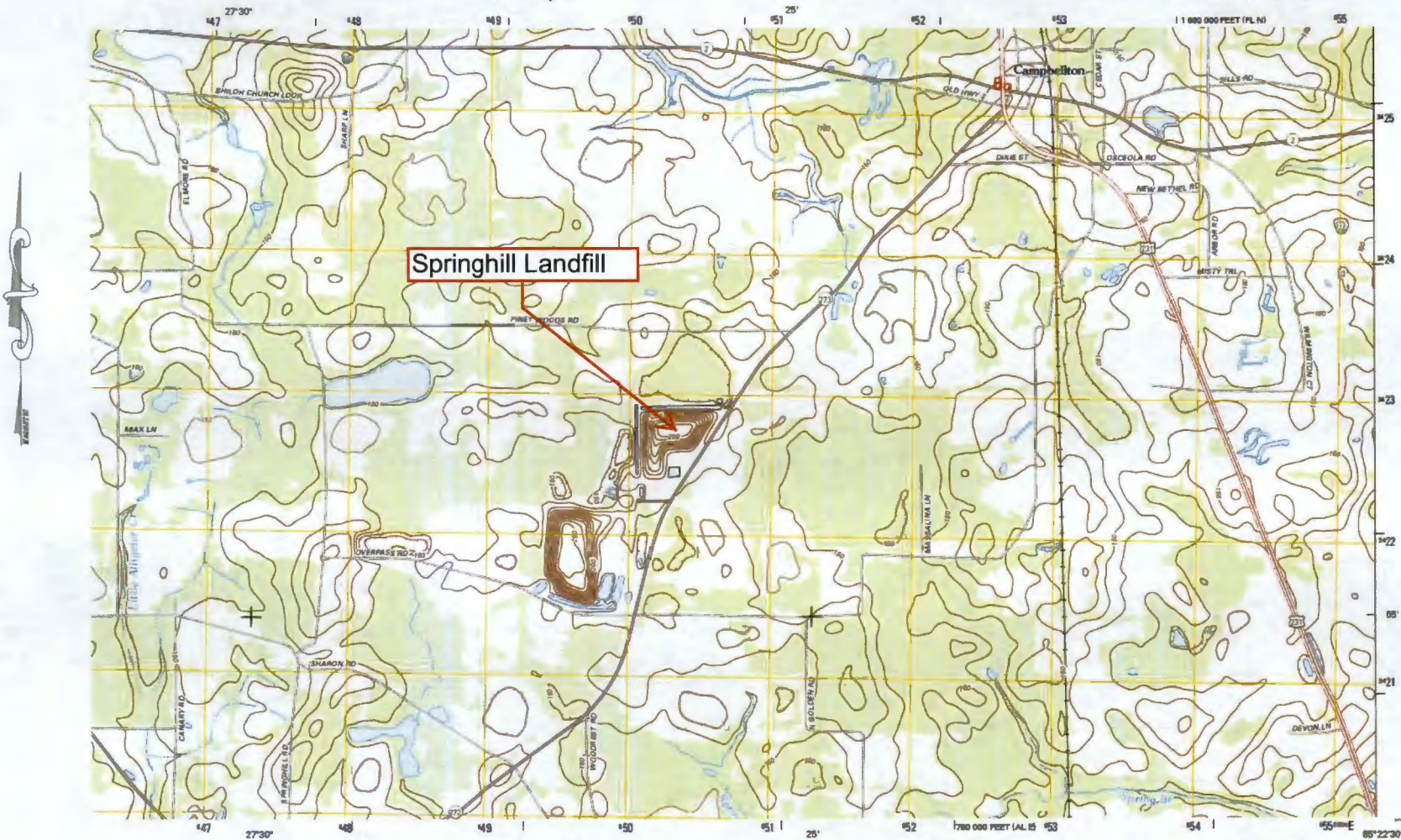
**ATTACHMENT 1C
SEWAGE SLUDGE DISPOSAL LOCATIONS**



ATTACHEMENT 1D SPRINGHILL LANDFILL DISPOSAL



CAMPBELLTON QUADRANGLE
FLORIDA-ALABAMA
7.5-MINUTE SERIES



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced in conformance with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is available at www.fgdl.gov.



QUADRANGLE LOCATION

Shoals	Mudall	Cottonwood
Greenleaf	Campbellton	Bill
Clayton	Cottonville West	Cottonville East

ADJOINING T. & QUADRANGLES

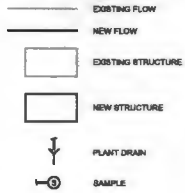
ROAD CLASSIFICATION

Interstate Route	State Route	Local Road	4WD
US Route	Ramp	Inter State Road	US Route
			State Route

CAMPBELLTON, FL-AL
2012

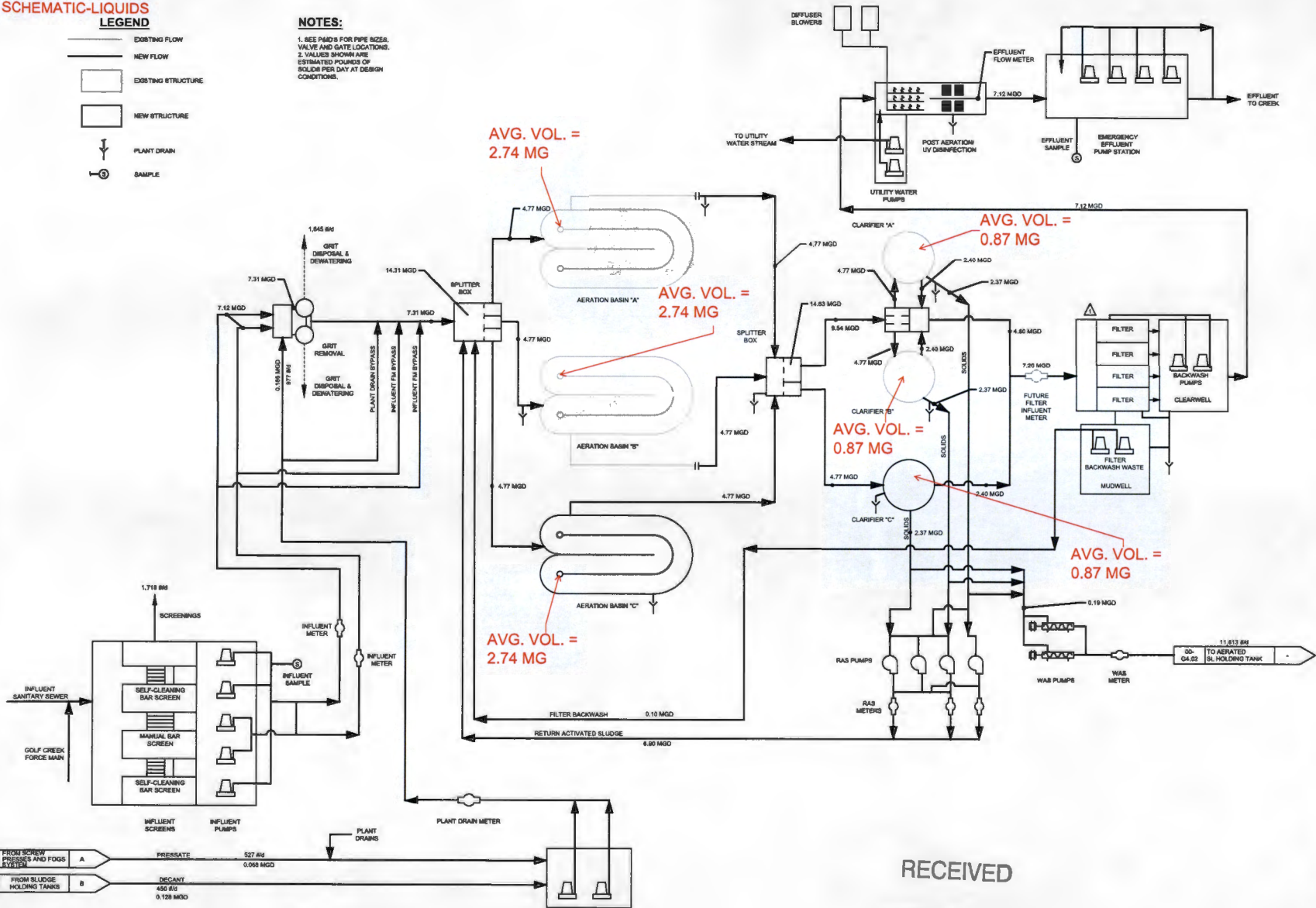
**ATTACHMENT 1E
OMUSSEE CREEK WWTP
FLOW SCHEMATIC-LIQUIDS**

LEGEND



NOTES:

1. SEE P&ID'S FOR PIPE SIZES, VALVE AND GATE LOCATIONS.
2. VALUES SHOWN ARE ESTIMATED POUNDS OF SOLIDS PER DAY AT DESIGN CONDITIONS.



00-04-02	FROM SCREW PRESSURE AND FOGG SYSTEMS	A	PRERATE	527 #/d
00-04-02	FROM SLUDGE HOLDING TANKS	B	DECANT	450 #/d 0.128 MGD



PROCESS FLOW DIAGRAM - LIQUIDS
**OMUSSEE CREEK WWTP
UPGRADES**
CITY OF DOTHAN, ALABAMA

NO.	DATE	BY	DESCRIPTION

00-G4.01
FILE NO. 32850-12

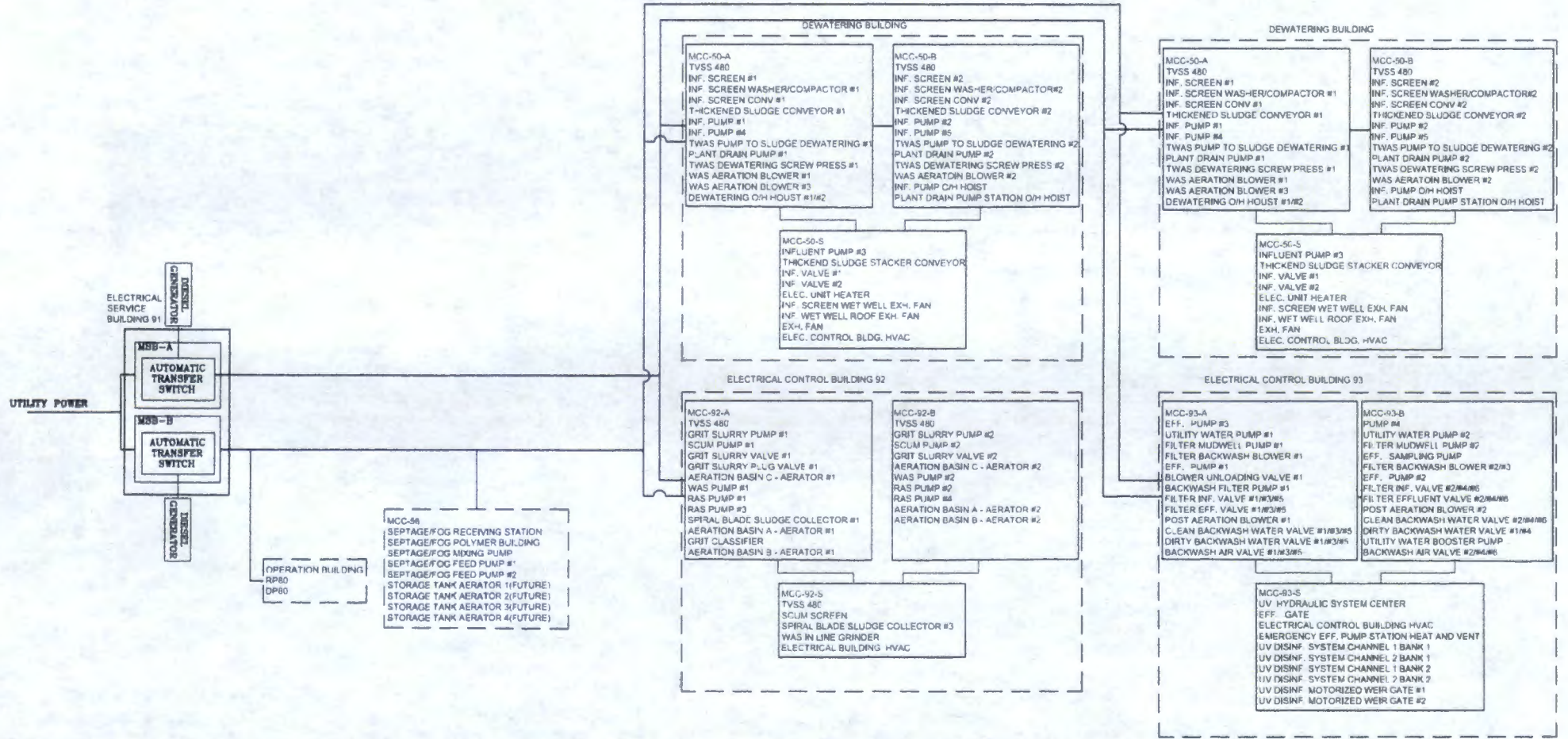
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MUNICIPAL SECTION

BY: LJB/mtf
PLOT DATE: 11/03/2021

ATTACHMENT 1F
 OMOUSSE CREEK WWTP
 BACKUP POWER SCHEMATIC



**CITY OF DOTHAN
OMUSSEE CREEK WWTP
FORM 2A
ATTACHMENT 2**

Attachment
Omussee Creek Permit (AL0022764)
Summary of Submitted Bio-monitoring Test Information.

2017

1. Date report submitted: 12/19/2017
2. Summary Of:
 - Outfall number: 0011
 - Collection dates: 11/13/2017, 11/15/2017, 11/17/2017
 - Toxicity testing methods:
Pimephales promelas: (method 1000.0)
Ceriodaphnia dubia: (Method 1002.0)
 - Results:
Pimephales promelas: 65% (Pass)
Ceriodaphnia dubia: 65% (Pass)

2018

1. Date report submitted: 12/28/2018
2. Summary Of:
 - Outfall number: 0011
 - Collection dates: 11/05/2018, 11/07/2018, 11/09/2018
 - Toxicity testing methods:
Pimephales promelas: (method 1000.0)
Ceriodaphnia dubia: (Method 1002.0)
 - Results:
Pimephales promelas: 65% (Pass)
Ceriodaphnia dubia: 65% (Pass)

2019

1. Date report submitted: 12/23/2019
2. Summary Of:
 - Outfall number: 0011
 - Collection dates: 11/04/2019, 11/06/2019, 11/08/2019
 - Collection dates: 11/18/2019, 11/20/2019, 11/22/2019
 - Toxicity testing methods:
Pimephales promelas: (method 1000.0)
Ceriodaphnia dubia: (Method 1002.0)
 - Results:
Pimephales promelas: 65% (Pass)
Ceriodaphnia dubia: 65% (Pass)

Attachment
Omussee Creek Permit (AL0022764)
Summary of Submitted Bio-monitoring Test Information.

2020

1. Date report submitted: 12/18/2020
2. Summary Of:
 - Outfall number: 0011
 - Collection dates: 11/09/2020, 11/11/2020, 11/13/2020
 - Toxicity testing methods:
 - Pimephales promelas: (method 1000.0)
 - Ceriodaphnia dubia: (Method 1002.0)
 - Results:
 - Pimephales promelas: 65% (Pass)
 - Ceriodaphnia dubia: 65% (Pass)

Water Permits Division




Application Form 2F

Stormwater Discharges Associated with Industrial Activity

NPDES Permitting Program

Note: Complete this form *and* Form 1 if you are a new or existing facility whose discharge is composed entirely of stormwater associated with industrial activity, excluding discharges from construction activity under 40 CFR 122.26(b)(14)(x) or (b)(15). If your discharge is composed of stormwater *and* non-stormwater, you must complete Forms 1 and 2F, *and* you must complete Form 2C, 2D, or 2E, as appropriate. See the "Instructions" inside for further details.

EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility Name OMUSSEE CREEK WWTP
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Form 2F NPDES		U.S Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY
---------------------	---	---

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

Outfall Location	1.1	Provide information on each of the facility's outfalls in the table below.				
		Outfall Number	Receiving Water Name	Latitude		Longitude
		002S	Omussee Creek	31.00°	15.00' 40.70" N	-85.06° 19.00' 50.80" W
		003S	Omussee Creek	31.00°	15.00' 42.90" N	-85.06° 19.00' 46.50" W
		004S	Omussee Creek	31.00°	15.00' 41.90" N	-85.06° 19.00' 46.00" W
		N/A	N/A	°	' "	° ' "
		N/A	N/A	°	' "	° ' "
		N/A	N/A	°	' "	° ' "

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

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

EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility Name OMUSSEE CREEK WWTP
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Form Approved 03/05/19
OMB No. 2040-0004

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

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

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

Pollutant Sources	4.1	Provide information on the facility's pollutant sources in the table below.				
		Outfall Number	Impervious Surface Area (within a mile radius of the facility)	Total Surface Area Drained (within a mile radius of the facility)		
		002S	0.814 <i>specify units</i> acres	5.873 <i>specify units</i> acres		
		003S	1.227 <i>specify units</i> acres	3.650 <i>specify units</i> acres		
		004S	0.503 <i>specify units</i> acres	3.101 <i>specify units</i> acres		
		N/A	N/A <i>specify units</i> N/A	N/A <i>specify units</i> N/A		
		N/A	N/A <i>specify units</i> N/A	N/A <i>specify units</i> N/A		
		N/A	N/A <i>specify units</i> N/A	N/A <i>specify units</i> N/A		
		4.2	Provide a narrative description of the facility's significant material in the space below. (See instructions for content requirements.)			
			Redacted			
	4.3	Provide the location and a description of existing structural and non-structural control measures to reduce pollutants in stormwater runoff. (See instructions for specific guidance.)				
		Stormwater Treatment				
		Outfall Number	Control Measures and Treatment	Codes from Exhibit 2F-1 (list)		
		002S	Structural-double wall containment tanks, piped drains, spill pads, vegetative buffers,	1-M,1-T,		
		003S	clean up drums.	2-H,3-A		
		004S	Non-Structural-preventative maintenance program, good housekeeping practices, daily	4-A,5-E,		
			inspections, staff training, annual site compliance evaluations and BMP plan reviews.	5-Q		
		N/A	N/A	N/A		
		N/A	N/A	N/A		

EPA Identification Number
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NPDES Permit Number
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OMUSSEE CREEK WWTP

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

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

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

Pollutant Sources	4.1	Provide information on the facility's pollutant sources in the table below.			
		Outfall Number	Impervious Surface Area (within a mile radius of the facility)		Total Surface Area Drained (within a mile radius of the facility)
		002S	0.814	<i>specify units</i> acres	5.873
		003S	1.227	<i>specify units</i> acres	3.650
		004S	0.503	<i>specify units</i> acres	3.101
		N/A	N/A	<i>specify units</i> N/A	N/A
		N/A	N/A	<i>specify units</i> N/A	N/A
		N/A	N/A	<i>specify units</i> N/A	N/A
		N/A	N/A	<i>specify units</i> N/A	N/A
		4.2	Provide a narrative description of the facility's significant material in the space below. (See instructions for content requirements.) Fuels, lubricating oils, and sludge dewatering chemicals are stored in double wall tanks and/or containers that are located in secondary containment areas. Other potential process pollutants include screenings, grit, and sludge/biosolids. Staff training of best management practices and clean up and proper disposal is continuous. Daily inspections are performed in accordance with the SPCC plan. Absorbents/drying agents are utilized for clean up and disposal material is stored in containment drums prior to bagging and disposal in a landfill.		
	4.3	Provide the location and a description of existing structural and non-structural control measures to reduce pollutants in stormwater runoff. (See instructions for specific guidance.)			
		Stormwater Treatment			
		Outfall Number	Control Measures and Treatment	Codes from Exhibit 2F-1 (list)	
		002S	Structural-double wall containment tanks, piped drains, spill pads, vegetative buffers,	1-M,1-T,	
		003S	clean up drums.	2-H,3-A	
		004S	Non-Structural-preventative maintenance program, good housekeeping practices, daily	4-A,5-E,	
			inspections, staff training, annual site compliance evaluations and BMP plan reviews.	5-Q	
		N/A	N/A	N/A	
		N/A	N/A	N/A	

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EPA Identification Number
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AL0022764

Facility Name
OMUSSEE CREEK WWTP

Form Approved 03/05/19
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SECTION 5. NON STORMWATER DISCHARGES (40 CFR 122.26(c)(1)(i)(C))

Non-Stormwater Discharges

5.1	I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-stormwater discharges. Moreover, I certify that the outfalls identified as having non-stormwater discharges are described in either an accompanying NPDES Form 2C, 2D, or 2E application.			
	Name (print or type first and last name): Mark Saliba		Official title: Mayor, City of Dothan	
	Signature		Date signed	
5.2	Provide the testing information requested in the table below			
	Outfall Number	Description of Testing Method Used	Date(s) of Testing	Onsite Drainage Points Directly Observed During Test
	0025	TSS SM2540D 2011, BOD, CBOD SM5210B 2011,	09/23/2018	N/A
	0035	COD SM5220D2011, TKN, HACH10242, TP EPA 365.3	04/19/2019	N/A
	0045	NH3N SM4500 NH3D2011, N+N HACH10206	02/05/2020	N/A
	N/A	O&G EPA1664A, Ecob COILIFERTSM9223B2004,	N/A	N/A
	N/A	FLOW CALCULATED, pH SM4500H+B	N/A	N/A
N/A	N/A	N/A	N/A	

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

Significant Leaks or Spills	6.1	Describe any significant leaks or spills of toxic or hazardous pollutants in the last three years. N/A
-----------------------------	-----	---

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

Discharge Information	See the instructions to determine the pollutants and parameters you are required to monitor and, in turn, the tables you must complete. Not all applicants need to complete each table.	
	7.1	Is this a new source or new discharge? <input type="checkbox"/> Yes → See instructions regarding submission of <i>estimated data</i> <input checked="" type="checkbox"/> No → See instructions regarding submission of <i>actual data</i>
	7.2	Have you completed Table A for each outfall? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

EPA Identification Number 1000010105924	NPDES Permit Number AL0022764	Facility Name ONTOUSSIE CREEK WWTP	Form Approved 10/05/19 OMB No. 1040-0104
Discharge Information Continued	7.3	Is the facility subject to an effluent limitation guideline (ELG) or effluent limitations in an NPDES permit for its process wastewater? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 7.5	
	7.4	Have you completed Table B by providing quantitative data for those pollutants that are (1) limited either directly or indirectly in an ELG and/or (2) subject to effluent limitations in an NPDES permit for the facility's process wastewater? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	7.5	Do you know or have reason to believe any pollutants in Exhibit 2F-2 are present in the discharge? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 7.7	
	7.6	Have you listed all pollutants in Exhibit 2F-2 that you know or have reason to believe are present in the discharge and provided quantitative data or an explanation for those pollutants in Table C? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	7.7	Do you qualify for a small business exemption under the criteria specified in the instructions? <input type="checkbox"/> Yes → SKIP to Item 7.18 <input checked="" type="checkbox"/> No	
	7.8	Do you know or have reason to believe any pollutants in Exhibit 2F-3 are present in the discharge? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 7.10	
	7.9	Have you listed all pollutants in Exhibit 2F-3 that you know or have reason to believe are present in the discharge in Table C? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	7.10	Do you expect any of the pollutants in Exhibit 2F-3 to be discharged in concentrations of 10 ppb or greater? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 7.12	
	7.11	Have you provided quantitative data in Table C for those pollutants in Exhibit 2F-3 that you expect to be discharged in concentrations of 10 ppb or greater? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	7.12	Do you expect acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dinitrophenol to be discharged in concentrations of 100 ppb or greater? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 7.14	
	7.13	Have you provided quantitative data in Table C for the pollutants identified in Item 7.12 that you expect to be discharged in concentrations of 100 ppb or greater? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	7.14	Have you provided quantitative data or an explanation in Table C for pollutants you expect to be present in the discharge at concentrations less than 10 ppb (or less than 100 ppb for the pollutants identified in Item 7.12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	7.15	Do you know or have reason to believe any pollutants in Exhibit 2F-4 are present in the discharge? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 7.17	
	7.16	Have you listed pollutants in Exhibit 2F-4 that you know or believe to be present in the discharge and provided an explanation in Table C? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
7.17	Have you provided information for the storm events' sampled in Table D? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility Name OMUSSEE CREEK WWTP
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Form Approved 03/05/19
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Discharge Information Continued	Used or Manufactured Toxics		
	7.18	Is any pollutant listed on Exhibits 2F-2 through 2F-4 a substance or a component of a substance used or manufactured as an intermediate or final product or byproduct? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 8.	
	7.19	List the pollutants below, including TCDD if applicable.	
	1. N/A	4. N/A	7. N/A
	2. N/A	5. N/A	8. N/A
	3. N/A	6. N/A	9. N/A

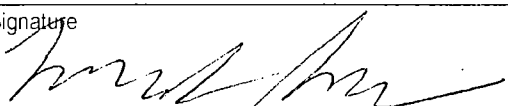
SECTION 8. BIOLOGICAL TOXICITY TESTING DATA (40 CFR 122.21(g)(11))

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

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

Contract Analysis Information	9.1	Were any of the analyses reported in Section 7 (on Tables A through C) performed by a contract laboratory or consulting firm? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Section 10.		
	9.2	Provide information for each contract laboratory or consulting firm below.		
			Laboratory Number 1	Laboratory Number 2
		Name of laboratory/firm	Polyenvironmental Corporation Environmental Laboratory	Pace Analytical
		Laboratory address	1935 Headland Ave Dothan AL. 36303	12065 Lebanon Mount Juliet, TN. 37122
		Phone number	(334) 793-4700	(615) 758-5858
	Pollutant(s) analyzed	BOD, CBOD, COD, TSS, O&G, NH3N, TKN, TP, N+N, Ecoli, Total N, pH	Expanded effluent testing for metals, semi VOCs, VOCs, chronic toxicity testing-ceriodaphnia dubia and pimephales promelas	

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

Checklist and Certification Statement	10.1	In Column 1 below, mark the sections of Form 2F that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.	
		Column 1	Column 2
		<input checked="" type="checkbox"/> Section 1	<input type="checkbox"/> w/ attachments (e.g., responses for additional outfalls)
		<input checked="" type="checkbox"/> Section 2	<input type="checkbox"/> w/ attachments
		<input checked="" type="checkbox"/> Section 3	<input checked="" type="checkbox"/> w/ site drainage map
		<input checked="" type="checkbox"/> Section 4	<input type="checkbox"/> w/ attachments
		<input checked="" type="checkbox"/> Section 5	<input type="checkbox"/> w/ attachments
		<input checked="" type="checkbox"/> Section 6	<input type="checkbox"/> w/ attachments
		<input checked="" type="checkbox"/> Section 7	<input checked="" type="checkbox"/> Table A <input type="checkbox"/> w/ small business exemption request <input checked="" type="checkbox"/> Table B <input type="checkbox"/> w/ analytical results as an attachment <input checked="" type="checkbox"/> Table C <input checked="" type="checkbox"/> Table D
		<input checked="" type="checkbox"/> Section 8	<input type="checkbox"/> w/attachments
		<input checked="" type="checkbox"/> Section 9	<input type="checkbox"/> w/attachments (e.g., responses for additional contact laboratories or firms)
		<input checked="" type="checkbox"/> Section 10	<input type="checkbox"/>
	10.2	Certification Statement <i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i>	
		Name (print or type first and last name) Mark Saliba	Official title Mayor, City of Dothan
		Signature 	Date signed 11-16-2021

EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility Name OMUSSEE CREEK WWTP	Outfall Number 0025
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Form Approved 03/05/19
OMB No. 2040-0004

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

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

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<1.73 mg/l		<1.66 mg/l		3	N/A
2. Biochemical oxygen demand (BOD ₅)	N/A	N/A	N/A	N/A	N/A	N/A
3. Chemical oxygen demand (COD)	N/A	N/A	N/A	N/A	N/A	N/A
4. Total suspended solids (TSS)	N/A	N/A	N/A	N/A	N/A	N/A
5. Total phosphorus	1.59 mg/l	N/A	1.37 mg/l	N/A	3	N/A
6. Total Kjeldahl nitrogen (TKN)	2.50 mg/l	N/A	2.17 mg/l	N/A	3	N/A
7. Total nitrogen (as N)	4.787 mg/l	N/A	3.813 mg/l	N/A	3	N/A
8. pH (minimum)	N/A		N/A		N/A	N/A
	N/A		N/A		N/A	N/A

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

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EPA Identification Number
100000105824

NPDES Permit Number
AL0022764

Facility Name
OMUSSEE CREEK WWTP

Outfall Number
0025

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

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

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

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
NH3N	1.06 mg/l	N/A	0.449 mg/l	N/A	3	N/A
CBOD	11.40 mg/l	N/A	10.67 mg/l	N/A	3	N/A
E. coli	2419.6 MPN/100ml	N/A	1664.5 MPN/100ml	N/A	3	N/A
N+N	2.380 mg/l	N/A	1.197 mg/l	N/A	3	N/A
TSS	690 mg/l	N/A	524 mg/l	N/A	3	N/A
O & G	< 1.73 mg/l	N/A	< 1.66 mg/l	N/A	3	N/A
TKN	2.50 mg/l	N/A	2.17 mg/l	N/A	3	N/A
TP	1.59 mg/l	N/A	1.37 mg/l	N/A	3	N/A
pH (min)	7.36 S.U.	N/A	7.36 S.U.	N/A	3	N/A
pH (max)	8.22 S.U.	N/A	8.22 S.U.	N/A	3	N/A
Flow	0.3110 MGD	N/A	0.192 MGD	N/A	3	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

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EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility Name OMUSSEE CREEK WWTP	Outfall Number 0025
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Form Approved 03/05/19
OMB No. 2040-0004

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

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

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information <small>(new source/new dischargers only; use codes in instructions)</small>
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Total Phosphorus	1.59 mg/l	N/A	1.37 mg/l	N/A	3	N/A
Nitrate-Nitrite	2.380 mg/l	N/A	1.197 mg/l	N/A	3	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

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EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility name OMUSSEE CREEK WWTP	Outfall Number 002S
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Form Approved 03/05/19
OMB No. 2040-0004

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

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

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

Provide a description of the method of flow measurement or estimate

Date of Storm Event	Duration of Storm Event (hours)	Total rainfall (Inches)	Hours Between	Max Flow Rate During Rain Event cfs	Total Flow from Rain Event
04/19/2019	1.00	0.65	>72	5.52	0.0578 MG
02/05/2020	0.47	1.80	>72	7.87	0.1601 MG
05/10/2021	1.33	0.88	>72	3.42	0.0780 MG

Rational method was used to determine max flow rate during the rain event based on a 1 year storm.

Total flow based on total rainfall during the rain event multiplied by the area.

EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility Name OMUSSEE CREEK WWTP	Outfall Number 0035
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Form Approved 03/05/19
OMB No. 2040-0004

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

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

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<1.85 mg/l		<1.71 mg/l		3	N/A
2. Biochemical oxygen demand (BOD ₅)	N/A	N/A	N/A	N/A	N/A	N/A
3. Chemical oxygen demand (COD)	N/A	N/A	N/A	N/A	N/A	N/A
4. Total suspended solids (TSS)	N/A	N/A	N/A	N/A	N/A	N/A
5. Total phosphorus	1.210 mg/l	N/A	0.913 mg/l	N/A	3	N/A
6. Total Kjeldahl nitrogen (TKN)	1.22 mg/l	N/A	1.09 mg/l	N/A	3	N/A
7. Total nitrogen (as N)	2.176 mg/l	N/A	1.754 mg/l	N/A	3	N/A
8. pH (minimum)	N/A		N/A		N/A	N/A
	N/A		N/A		N/A	N/A

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

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EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility Name OMUSSEE CREEK WWTP	Outfall Number 003S
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))¹

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

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
NH3N	0.656 mg/l	N/A	0.285 mg/l	N/A	3	N/A
CBOI	8.93 mg/l	N/A	7.32 mg/l	N/A	3	N/A
E. coli	960.0 MPN/100ml	N/A	532.6 MPN/100ml	N/A	3	N/A
N+N	0.526 mg/l	N/A	0.375 mg/l	N/A	3	N/A
TSS	190 mg/l	N/A	125 mg/l	N/A	3	N/A
O & G	< 1.85 mg/l	N/A	< 1.71 mg/l	N/A	3	N/A
TKN	1.22 mg/l	N/A	1.09 mg/l	N/A	3	N/A
TP	1.210 mg/l	N/A	0.913 mg/l	N/A	3	N/A
pH (min)	7.04 S.U.	N/A	7.04 S.U.	N/A	3	N/A
pH (max)	7.92 S.U.	N/A	7.92 S.U.	N/A	3	N/A
Flow	0.2570 MGD	N/A	0.1585 MGD	N/A	3	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

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EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility Name OMUSSEE CREEK WWTP	Outfall Number 0035
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))¹

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

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information <small>(new source/new dischargers only; use codes in instructions)</small>
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Total Phosphorus	1.210 mg/l	N/A	0.913 mg/l	N/A	3	N/A
Nitrate-Nitrite	0.526 mg/l	N/A	0.375 mg/l	N/A	3	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

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EPA Identification Number 10000105824	NPDES Permit Number AL0022764	Facility name OMUSSEE CREEK WWTP	Outfall Number 0035
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Form Approved 03/05/19
OMB No 2040-0004

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

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

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

Provide a description of the method of flow measurement or estimate

Date of Storm Event	Duration of Storm Event (hours)	Total rainfall (Inches)	Hours Between	Max Flow Rate During Rain Event cfs	Total Flow from Rain Event
04/19/2019	1.00	0.65	>72	4.05	0.0422 MG
02/05/2020	0.47	1.80	>72	5.77	0.1168 MG
05/10/2021	1.33	0.88	>72	2.51	0.1058 MG

Rational method was used to determine max flow rate during the rain event based on a 1 year storm.

Total flow based on total rainfall during the rain event multiplied by the area.

EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility Name OMUSSEE CREEK WWTP	Outfall Number 0045
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Form Approved 03/06/19
OMB No. 2040-0004

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

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

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	<1.77 mg/l		<1.66 mg/l		3	N/A
2. Biochemical oxygen demand (BOD ₅)	N/A	N/A	N/A	N/A	N/A	N/A
3. Chemical oxygen demand (COD)	N/A	N/A	N/A	N/A	N/A	N/A
4. Total suspended solids (TSS)	N/A	N/A	N/A	N/A	N/A	N/A
5. Total phosphorus	2.73 mg/l	N/A	1.398 mg/l	N/A	3	N/A
6. Total Kjeldahl nitrogen (TKN)	3.68 mg/l	N/A	2.30 mg/l	N/A	3	N/A
7. Total nitrogen (as N)	7.160 mg/l	N/A	4.103 mg/l	N/A	3	N/A
8. pH	(minimum)	N/A	N/A		N/A	N/A
	(maximum)	N/A	N/A		N/A	N/A

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

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EPA Identification Number 100000105824	NPDES Permit Number AI0022764	Facility Name OMUSSEE CREEK WWTP	Outfall Number 0045
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Form Approved 03/05/19
OMB No. 2040-0004

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

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

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information <small>(new source/new dischargers only; use codes in instructions)</small>
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
NH3N	2.520 mg/l	N/A	0.907 mg/l	N/A	3	N/A
CBOD	14.10 mg/l	N/A	10.96 mg/l	N/A	3	N/A
E. coli	727.0 MPN/100ml	N/A	387.8 MPN/100ml	N/A	3	N/A
N+N	1.420 mg/l	N/A	0.893 mg/l	N/A	3	N/A
TSS	850 mg/l	N/A	551 mg/l	N/A	3	N/A
O & G	< 1.77 mg/l	N/A	< 1.66 mg/l	N/A	3	N/A
TKN	3.68 mg/l	N/A	2.30 mg/l	N/A	3	N/A
TP	2.73 mg/l	N/A	1.398 mg/l	N/A	3	N/A
pH (min)	7.24 S.U.	N/A	7.24 S.U.	N/A	3	N/A
pH (max)	7.63 S.U.	N/A	7.63 S.U.	N/A	3	N/A
Flow	0.2160 MGD	N/A	0.1333 MGD	N/A	3	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

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EPA Identification Number
100000105824

NPDES Permit Number
AL0022764

Facility Name
OMUSSEE CREEK WWTP

Outfall Number
004S

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

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

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

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information <small>(new source/new dischargers only, use codes in instructions)</small>
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Total Phosphorus	2.730 mg/l	N/A	1.398 mg/l	N/A	3	N/A
Nitrate-Nitrite	1.470 mg/l	N/A	0.893 mg/l	N/A	3	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

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EPA Identification Number 100000105824	NPDES Permit Number AL0022764	Facility name OMUSSEE CREEK WWTP	Duffall Number 004S
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Form Approved 03/05/19
OMB No 2040-0004

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

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

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

Provide a description of the method of flow measurement or estimate

Date of Storm Event	Duration of Storm Event (hours)	Total rainfall (Inches)	Hours Between	Max Flow Rate During Rain Event cfs	Total Flow from Rain Event
04/19/2019	1.00	0.65	>72	2.98	0.0312 MG
02/05/2020	0.47	1.80	>72	4.25	0.0863 MG
05/10/2021	1.33	0.88	>72	1.84	0.1058 MG

Rational method was used to determine max flow rate during the rain event based on a 1 year storm

Total flow based on total rainfall during the rain event multiplied by the area

**CITY OF DOTHAN
OMUSSEE CREEK WWTP
FORM 2F
ATTACHMENT 3**

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 when an item is not applicable to the applicant. Please type or print legibly in blue or black ink. Mail the completed application to

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

PURPOSE OF THIS APPLICATION

- | | |
|---|--|
| <input type="checkbox"/> Initial Permit Application for New Facility* | <input type="checkbox"/> Initial Permit Application for Existing Facility* |
| <input type="checkbox"/> Modification of Existing Permit | <input checked="" type="checkbox"/> Reissuance of Existing Permit |
| <input type="checkbox"/> Revocation & 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: Omussee Creek Wastewater Treatment Facility Facility County: Houston

a. Operator Name: City of Dothan

b. Is the operator identified in A.1 a, the owner of the facility? Yes No

If No, provide the following information:

Operator Name: N/A

Operator Address (Street or PO Box): N/A

City: N/A State: N/A Zip: N/A

Phone Number: N/A Email Address: N/A

Operator Status:

- Public-federal Public-state Public-other (please specify): Municipal
 Private Other (please specify): N/A

Describe the operator's scope of responsibility for the facility:

Owner

c. Name of Permittee* if different than Operator: N/A

**Permittee will be responsible for compliance with the conditions of the permit*

2. NPDES Permit Number: AL 0022764 (Not applicable if initial permit application)

3. Facility Location (Front Gate): Latitude: 31° 15' 41" Longitude: -85° 19' 51"

4. Responsible Official (as described on last page of this application):

Name and Title: Mark Saliba, Mayor City of Dothan

Address: 126 North Saint Andrews Street Suite 201

City: Dothan State: Alabama Zip: 36303

Phone Number: (334)615-3111 Email Address: msaliba@dothan.org

5. Designated Facility/DMR Contact:

Name: Ladon Driskell Title: Wastewater Treatment Supervisor
 Phone Number: (334)798-3635 Email Address: ddriskell@dothan.org

6. Designated Emergency Contact:

Name: Billy R. Mayes Title: Dothan Utilities Director
 Phone Number: (334) 615-3240 Email Address: bmayes@dothan.org

7. 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.4.

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

8. 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>
<u>City of Dothan</u>	<u>N/A</u>	<u>EPA Administration Order of Consent-Closed</u>	<u>7/25/12</u>
<u>City of Dothan</u>	<u>N/A</u>	<u>ADEM Partial Settlement Agreement</u>	<u>5/22/17</u>
_____	_____	_____	_____
_____	_____	_____	_____

SECTION B – WASTEWATER DISCHARGE INFORMATION

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

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

For each shared outfall, provide the following:

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

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

Current: Flow Metering Yes No N/A
 Sampling Equipment Yes No N/A
Planned: Flow Metering Yes No N/A
 Sampling Equipment Yes No N/A

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

Existing: 2-Influent Flow Meters (Endress Hauser Promag), 1-Effluent Flow Meter (Endress Hauser Prosonic S), 2-Composite Samplers (Hach Sigma)

4. 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

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

Collection system projects associated with sewer evaluation studies, including rehab/replacement projects to reduce I/I.

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
N/A	N/A
N/A	N/A
N/A	N/A

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

SECTION D – INDUSTRIAL INDIRECT DISCHARGE CONTRIBUTORS

1. 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?
Wayne Farms	Process wastewater from poultry processing	Existing	1.75	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
US Coupling & Acces.	Industrial waste resulting from metal finishing	Existing	0.015	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Borden Dairy	Industrial waste from juice, tea & milk processing	Existing	0.150	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Arcadis	Discharge of treated groundwater	Existing	0.025	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
N/A	N/A	N/A	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
N/A	N/A	N/A	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
N/A	N/A	N/A	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
N/A	N/A	N/A	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
N/A	N/A	N/A	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No

2. 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:

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

SECTION 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

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. 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. If the facility design capacity is equal to or greater than 1 MGD, Form 2F is also required.
2. Applicants for new or existing land application of sanitary wastewater must submit Form 2A and Form 2F.
3. Applicants for new and existing discharges of process wastewater from water treatment facilities (i.e. public water supply treatment plants) must submit Form 1 and Form 2C.
4. 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

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

SECTION I- RECEIVING WATERS

Outfall No.	Receiving Water(s)	303(d) Segment?	Included in TMDL?*
0011	Omussee Creek	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
N/A	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
N/A	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

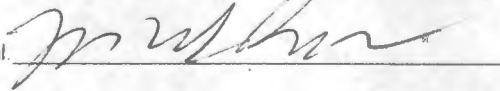
*If a TMDL Compliance Schedule is requested, the following should be attached as supporting documentation:

- (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:  Date Signed: 11-16-2021
 Name: Mark Saliba Title: Mayor, City of Dothan

If the Responsible Official signing this application is not identified in Section A.4 or A.7, provide the following information

Mailing Address: 126 North Saint Andrews St. Suite 201
 City: Dothan State: AL Zip: 36303
 Phone Number: (334) 615-3111 Email Address: msaliba@dothan.org

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

From: Akos, Angie J <ajakos@dothan.org>
Sent: Monday, March 6, 2023 2:37 PM
To: Ammons, Stephanie
Cc: CW115; Mayes, Billy; Dykes, Jeffrey
Subject: Omussee WWTP_Permit Renewal AL0022764

Stephanie,

Per your request, please find a summary of process design criteria and capacities below. As you can see, there is no hydraulic restrictions in meeting the permitted average daily flow. In fact, the OM WWTP is designed to handle hydraulic capacities in excess of the permitted flow. However, we are not requesting an increase in the permitted average daily capacity of 7.12 MGD.

Excerpt from the OM WWTP Basis of Design Report: The design average annual daily flow (AADF) will be the currently permitted flow of 7.12 mgd. Biological treatment processes will be based on the maximum month flow of 12.1 mgd (based on a peaking factor of 1.7). The peak daily hydraulic load to the wastewater treatment plant of 24.9 mgd (based on a peaking factor of 3.5) shall be used to size unit processes downstream of the aeration basins. The peak hourly hydraulic load to the WWTP of 28.5 mgd (based on a peaking factor of 4.0) shall be used to size the screening, pumping facilities and conduits, and the grit system upstream of the aeration basins.

OMUSSEE WWTP ACTUAL HYDRAULIC PROCESS CAPACITIES:

ADF=average daily flow
MDF=max or peak daily flow
PHF=peak hour flow

PROCESS	HYDRAULIC CAPACITY, MGD	BASIN CAPACITY, MG
INFLUENT SCREENING	ADF=7.12 MDF=n/a PHF=28.5	FLOW THROUGH
INFLUENT PUMPING	ADF=n/a MDF=n/a PHF=45	FLOW THROUGH
GRIT REMOVAL	ADF=7.12 MDF=n/a PHF= 34	FLOW THROUGH
AERATION	ADF=7.12 MDF=12.1 PHF=28.5	8.22
SECONDARY CLARIFICATION	ADF=7.12 MDF=24.9 PHF=n/a	2.61
FILTRATION	ADF=9.48 MDF=33.2 PHF=n/a	FLOW THROUGH
POST AIR/DISINFECTION	ADF=7.12 MDF=24.9 PHF=n/a	FLOW THROUGH
DISINFECTION	ADF=7.12 MDF=37.4 PHF=n/a	FLOW THROUGH
EFFLUENT PUMPING (optional or flow by gravity)	ADF=7.12 MDF=n/a PHF=33.2	FLOW THROUGH

**CITY OF DOTHAN
OMUSSEE CREEK WWTP
FORM 188
ATTACHMENT 4**

**CITY OF DOTHAN
OMUSSEE CREEK WWTP
FORM 188
ATTACHMENT 5**

ARTICLE IV. - SEWER

Footnotes:

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State Law reference— Authority regarding sewers generally, Code of Ala. 1975, § 11-50-50 et seq.

DIVISION 1. - GENERALLY

Sec. 102-196. - Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Act or the act means the Federal Water Pollution Control Act, also known as the Clean Water Act, as amended, 33 USC 1251 et seq.

Approval authority means the director of the state department of environmental management.

Authorized representative of industrial user means a person who may be:

- (1) A principal executive officer of at least the level of vice-president if the industrial user is a corporation.
- (2) A general partner or proprietor if the industrial user is a partnership or proprietorship, respectively.
- (3) A duly authorized representative of the individual designated in subsection (1) or (2) of this definition if such representative is responsible for the overall operation of the facilities from which the indirect discharge originates.

Average flow means the total flow in U.S. gallons in a normal 24-hour calendar day.

Biochemical oxygen demand (BOD) means the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure, five days at 20 degrees Celsius, expressed in terms of weight and concentration (milligrams per liter (mg/l)).

Building drain means that part of the lowest horizontal piping of a drainage system which receives the discharge from soil, waste and other drainage pipes inside the walls of the building and conveys it to the building sewer, beginning five feet (1.5 meters) outside the inner face of the building wall.

Building sewer means the extension from the building drain to the public sewer or other place of disposal.

c means Celsius degrees.

Capital costs means required costs of major rehabilitation, betterments, expansion or upgrading as facilities reach the end of their useful life.

Categorical standards means the national categorical pretreatment standards or a pretreatment standard.

Chlorine demand means the amount of chlorine (Cl₂) required to produce a free chlorine residual of one-tenth mg/l after 30 minutes' contact time.

City means the City of Dothan, Alabama, or the city commission of Dothan, Alabama.

City's agent means any authorized representative acting in behalf of the city.

Consumer means a customer who is utilizing the sewer system operated by the city.

Control authority refers to the utilities director.

Cooling water means the water discharged from any use, such as air conditioning, cooling or refrigeration, or to which the only pollutant added is heat.

Direct discharge means the discharge of treated or untreated wastewater directly to the waters of the state.

Domestic sewage means liquid or water-carried waste from bathrooms, toilet rooms, kitchens and home laundries.

Dothan Utilities Director means the person designated by the city to supervise the operation of the publicly owned electrical system, water system, sanitary sewer collection system and sanitary sewer treatment system and who is charged with certain duties and responsibilities by this article or the director's duly authorized representative.

Dwelling means any single structure, with auxiliary buildings, occupied by one or more persons or households for residential purposes.

Environmental Protection Agency or EPA means 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 such agency.

Garbage means solid wastes from the preparation, cooking and dispensing of food and from the handling, storage and sale of produce.

Grab sample means 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 the consideration of time.

Holding tank waste means any waste from holding tanks, such as vessels, chemical toilets, campers, trailers, septic tanks and vacuum-pump tank trucks.

Indirect discharge means the discharge or the introduction of nondomestic pollutants from any source, regulated under section 307(b) or (c) of the act (33 USC 1317) into the POTW, including holding tank waste discharged into the system.

Industrial user means a source of indirect discharge which does not constitute a discharge of pollutants under regulations issued pursuant to section 402 of the act (33 USC 1342).

Infiltration means water, other than wastewater, that enters a sewer system, including sewer service connections and foundation drains, from the ground through such means as defective pipes, pipe joints, connections or manholes. Infiltration does not include and is distinguished from inflow.

Inflow means water, other than wastewater, that enters a sewer system, including sewer service connections, from sources, such as but not limited to roof leaders, cellar drains, yard drains, area drains, drains from springs and swampy areas, manhole covers, cross connections between storm sewers and sanitary sewers, catchbasins, cooling towers, stormwaters, surface runoff, street washwaters or drainage. Inflow does not include and is distinguished from infiltration.

Interference means the inhibition or disruption of the POTW treatment processes or operations which contributes to a violation of any requirement of the city's NPDES permit. The term includes the prevention of sewage sludge use or disposal by the POTW in accordance with section 405 of the act (33 USC 1345) or any criteria, guidelines or regulations

developed pursuant to the Solid Waste Disposal Act (SWDA), the Clean Air Act, the Toxic Standards Control Act or more stringent state criteria, including those contained in any state sludge management plan prepared pursuant to title IV of SWDA, applicable to the method of disposal or use employed by the POTW.

Measuring device means a device or instrument used for the determination of quantity of water used by a customer or person or of the quantity of sewage or wastewater discharged into the sewer system.

Mg/l means milligrams per liter or parts per million.

National categorical pretreatment standard or pretreatment standard means any regulation containing pollutant discharge limits promulgated by the EPA in accordance with section 307(b) and (c) of the act (33 USC 1347) which applies to a specific category of industrial users.

National pollution discharge elimination system permit or NPDES permit means a permit issued pursuant to section 402 of the act (33 USC 1342).

National prohibitive discharge standard or prohibitive discharge standard means any regulation developed under the authority of section 307(b) of the act and 40 CFR 403.5.

New source means any source, the construction of which is commenced after the publication of proposed regulations prescribing a section 307(c) (33 USC 1317) categorical pretreatment standard which will be applicable to such source, if such standard is thereafter promulgated within 120 days of a proposal in the Federal Register. When the standard is promulgated later than 120 days after the proposal, a new source means any source, the construction of which is commenced after the date of the promulgation of the standard.

Operation and maintenance means those functions that result in expenditures during the useful life of the treatment works for materials, labor, utilities and others which are necessary for managing and which such works were designed and constructed. The term "operation and maintenance" includes "replacement," as defined in this section.

Peak flow means the maximum rate of flow occurring at any time.

Permit means any permit or equivalent document or requirement issued to regulate the discharge of pollutants.

Person means any individual, firm, company, association, society, corporation, institution or group as indicated by the context in which used.

pH means the logarithm (base 10) of the reciprocal of the hydrogen ion concentration expressed in moles per liter.

Pollutant means dredged spoil; solid waste; incinerator residue; sewage; garbage; sewage sludge; munitions; chemical wastes; biological materials; radioactive materials; heat; wrecked or discarded equipment; rock; sand; cellar dirt; and industrial, municipal and agricultural waste discharged into water.

Pollution means the alteration, either manmade or man-induced, of the chemical, physical, biological and radiological integrity of water.

Pretreatment or treatment means the reduction of the amount of pollutants, the elimination of pollutants or the alteration of the nature of pollutant properties in wastewater to a less harmful state prior to or in lieu of discharging, or otherwise introducing such pollutants into a POTW. The reduction or alteration can be obtained by physical, chemical or biological processes or process changes by other means, except as prohibited by 40 CFR 403.6(d).

Pretreatment requirement means any substantive or procedural requirement related to pretreatment, other than a national pretreatment standard, imposed on an industrial user.

Properly shredded garbage means the wastes from the preparation, cooking and dispensing of foods that have been shredded to such degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers with no particle greater than one-half inch in any dimension.

Public sanitary sewer or *public sewer* means a sewer owned or controlled by the city which carries sewage or polluted industrial wastes and to which stormwaters, surface waters and groundwaters and unpolluted industrial wastes are not intentionally admitted

Publicly owned treatment works (POTW) means a treatment works, as defined by section 212 of the act (33 USC 1292), which is owned by the city. This definition includes any sewers that convey wastewater to the POTW treatment plant, but does not include pipes, sewers or other conveyances not connected to a facility providing treatment. For the purposes of this article, POTW shall also include any sewers that convey wastewaters to the POTW from persons outside the city who are, by contract or agreement with the city, users of the city's POTW.

Replacement means expenditures for obtaining and installing equipment, accessories or appurtenances which are necessary during the useful life of the treatment works to maintain the capacity and performance for which such works were designed and constructed.

Sanitary sewer means a sewer which carries sewage or polluted industrial wastes and to which stormwaters, surface waters and groundwaters and unpolluted industrial wastes are not intentionally admitted.

Sewage means a combination of the water-carried wastes from residences, business buildings, institutions and industrial establishments, together with such groundwater, surface water and stormwater as may be present.

Sewage treatment plant means any arrangement of devices, equipment or structures used for treating sewage.

Sewer means a pipe or conduit for carrying sewage.

Sewer connection means a sewer pipeline running laterally from a street sewer, an off-street sewer or a trunk sewer to an individual tract, lot or parcel of land to serve one or more houses or other buildings, whether or not connected to any house or building.

Sewer lateral consists of the pipeline extending from any sewer main of the city to private property.

Sewer service charge means the amount charged to the customer, which includes a user charge, a charge for capital reserve and debt service, other charges for current services or all of these.

Sewer system means all facilities for collecting, pumping, treating and disposing of domestic sewage and industrial wastes.

Significant industrial user means any industrial user of the city's wastewater disposal system who discharges nondomestic wastewater and who:

- (1) Has a discharge flow or the domestic waste equivalent of 25,000 gallons or more per average workday;
- (2) Has a flow or organic loading greater than five percent of the flow or load to the receiving wastewater treatment facility;
- (3) Has in the user's his wastes toxic pollutants as defined pursuant to section 307 of the act or state statutes and rules, or
- (4) Is found by the city, the state department of environmental management or the U.S. Environmental Protection Agency (EPA) to have significant impact, either singly or in combination with other contributing

industries, on the wastewater treatment system, the quality of sludge, the system's effluent quality or air emissions generated by the system.

Slug means the discharge of any wastewater exceeding a flow or pollutant concentration greater than three times that of the average daily wastewater flow or pollutant concentration, and which is discharged continuously for a period longer than 15 minutes.

Standard industrial classification (SIC) means a classification pursuant to the Standard Industrial Classification Manual issued by the Executive Office of the President, Office of Management and Budget, 1972.

Standard methods means an analytical technique found in the latest edition of Standard Methods for the Examination of Water and Wastewater, published by the American Public Health Association, the American Water Works Association and the Water Pollution Control Federation or in the U.S. Environmental Protection Agency, Water Quality Office Publication entitled "Methods for Chemical Analysis of Water and Wastes."

Storm sewer or storm drain means a pipe or conduit, ditch or canal designed and constructed to carry stormwaters and surface waters and drainage, uncontaminated cooling water and unpolluted waters, but excludes sewage and polluted industrial wastes.

Stormwater runoff means that portion of the rainfall which reaches a drain.

Suspended solids means solids that either float on the surface of or are in suspension in water, sewage or other liquids, which are removable by laboratory filtering.

TOC (total organic carbon) means the quantity of organic carbon analyzed in a water sample as determined in accordance with a standard method.

Toxic pollutant means any pollutant or combination of pollutants listed as toxic in regulations promulgated by the administrator of the Environmental Protection Agency under the provisions of CWA 307(a) or other acts.

Unpolluted water or waste means any water or waste containing no free or emulsified grease or oil; acid or alkali, phenols or other substances imparting taste and odor in receiving waters; toxic and poisonous substances in suspension, colloidal state or solution; and noxious or odorous gases and other polluting materials, including flammable gases. These waters shall contain not more than 10,000 ppm of dissolved solids, of which not more than 2,500 ppm shall be as chloride, and not more than ten ppm of suspended solids and 20 ppm of total organic carbon. The water color shall not exceed 50 color units above background waters used for domestic purposes.

User means any person who contributes, causes or permits the contribution of wastewater into the city's POTW.

User charge means that portion of the total sewer service charge which is levied in a proportional and adequate manner for the cost of operation, maintenance and replacement of the wastewater treatment works. User charge does not include bond retirement, debt service, capital costs, etc.

Wastewater is the equivalent of sewage.

Wastewater contribution permit means the permit as set forth in section 102-297.

Waters of the state means all streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, reservoirs, aquifers, irrigation systems, drainage systems and all other bodies or accumulations of water, surface or underground, natural or artificial, public or private, which are contained within, flow through or border upon the state or any portion thereof.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-197. - Purpose of article.

The general purpose of this article is to set forth and provide for the rightful and proper use of the sewer system owned, operated and maintained by the city in order to promote the health, welfare and safety of the citizens of the state. To accomplish this purpose, all users of the sewer system must comply with the rules and regulations contained in this article.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-198. - Scope of article.

(a) The rules and regulations in this article:

- (1) Prohibit the contribution of toxic compounds or substances in toxic concentrations and wastewater or sewage which may cause operational or maintenance difficulties or deterioration in the sewers, force mains, pumping stations, and other structures appurtenant to the sewer system or contaminate the resulting sludge.
- (2) Establish a system of controls and municipal permits for all significant industrial or commercial dischargers.
- (3) Prohibit the introduction of pollutants into the city sewer system which will pass through the system inadequately treated into receiving waters or the atmosphere or otherwise be compatible with the system.
- (4) Improve the opportunity to recycle and reclaim wastewaters and sludge from the city sewer system.
- (5) Establish a distribution of equitable costs for services and improvements to the sewer system for all consumers within the areas furnished sanitary sewer services and sewer treatment. The rate schedule for all customers using the sewer system shall be on a unit volume basis that does not allow any quantity discount.
- (6) Establish a uniform procedure for design, installation, inspection, operation, maintenance, recordkeeping and billing for the entire sewer system.
- (7) Comply with state and federal regulations and requirements with regard to the sewer system and maintenance of water quality parameters in accord with assigned standards for the receiving streams.

(b) This article provides for the regulation of contributors to the city sewer system through the issuance of permits to certain nondomestic users and through enforcement of general requirements for the other users, authorizes monitoring and enforcement activities, requires user reporting, assumes that an existing customer's capacity will not be preempted and provides for the setting of fees for the equitable distribution of costs resulting from the program established in this article.

(c) This article shall apply to the city and to persons outside the city who are, by contract or agreement with the city, users of the city POTW. Except as otherwise provided in this article, the utilities director shall administer, implement and enforce this article.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-199. - Annual budget.

Under this article, the department head shall prepare the annual budget and submit the budget to the city manager for approval. After passage of the annual budget by the board of commissioners, no expenditure is to be paid from either the capital or the operating budget without the prior approval of the department head.

Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-200. - Determination of economic feasibility of trunk line extension.

The city reserves the right to determine whether any trunk line extension or sewer service is economically feasible and will be in the best interest of the city and to determine whether any chemical or industrial waste shall be disposed of by connection to the city sewer system. Such determination shall be made only at a regular or regular adjourned meeting of the board of commissioners and shall be recorded in the minutes of such meeting.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-201. - Defective or unsanitary privy, water closet or septic tank.

It shall be unlawful for any person in the corporate limits or police jurisdiction of the city to use or permit the use of any privy, water closet or septic tank which is defective, unclean or for any reason unsanitary or which does not conform to the rules and regulations of the state board of health, and each day of use thereof in violation of this section shall be deemed a separate offense.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-202. - Compliance required.

Compliance with this article shall be conditions for furnishing sewer service by the city.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-203. - Article constitutes part of permits.

The rules and regulations contained in this article are a part of all residential, commercial, industrial, individual or institutional permits which allow the discharge of sewage or wastewater into the sewer system owned and operated by the city for the adequate treatment of such wastes with proper disposal of the treated effluent.

(Ord. No. 2007-55, § 1, 2-13-07)

Secs. 102-204—102-230. - Reserved.

DIVISION 2. - PROHIBITED DISCHARGES

Footnotes:

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State Law reference— *Environmental management generally, Code of Ala. 1975, § 22-22A-1 et seq.*

Sec. 102-231. - General discharge prohibitions.

- (a) Under this article, 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 POTW. These general prohibitions apply to all such users of a POTW whether or not the user is subject to national categorical pretreatment standards or any other national, state or local pretreatment standards or requirements. A user may not contribute the following substances to any POTW:
- (1) Any stormwater, surface water, groundwater, roof runoff, subsurface drainage, uncontaminated cooling water, or unpolluted industrial or commercial process water. The city may grant a waiver to this restriction upon the presentation by a user of evidence that compliance with this prohibition would work an undue hardship on the user considering the volume of proposed water flow, cost of installation of drainage facilities or other factors the city may deem pertinent.
 - (2) Clothing, rags, textile remnants or waste, paper, cloth, scraps, unless such materials are less than one-inch square and will not interfere with operation of the POTW.
 - (3) Any wastewater having a temperature which will damage the sewer collection system or will inhibit biological activity in the POTW treatment plant resulting in interference, but in no case wastewater with a temperature at the introduction into the POTW treatment plant which exceeds 40 degrees Celsius (104 degrees Fahrenheit) unless the POTW treatment plant is designed to accommodate such temperature.
 - (4) Petroleum oils or greases and exhaust gases from internal combustion engines in excess of 50 mg/l.
 - (5) Liquids, solids or gases which by reason of their nature or quality may cause fire or explosion, may be in any way harmful or injurious to persons or cause damage to the POTW or interfere with the operation of a POTW. At no time, shall two successive readings on an explosion hazard meter, at the point of discharge into the system or at any point in the system be more than five percent or any single reading over ten percent of the lower explosive limit (LED) of the meter.
 - (6) Sewage or wastewater having a pH lower than 5.5 or higher than 9.5 or having any other corrosive property capable of causing damage or hazard to structures, equipment or personnel associated with the sewer system.
 - (7) Wastes containing any toxic or poisonous substances in toxic quantities to:
 - a. Interfere with the treatment processes used in the sewage treatment plant; or
 - b. Which, in combination with other wastes or sewage, upon passing through a sewage treatment plant, will be harmful to persons, livestock or aquatic life utilizing the receiving stream into which the treated effluent from the sewage treatment plant is discharged.
 - (8) Noxious or malodorous gases or substances capable of creating a public nuisance while being conveyed through the sanitary sewer and at the treatment plant operating in its normal mode.
 - (9) Garbage that has not been properly shredded.
 - (10) Any ashes, cinders, sand, mud, straw, shavings, metal, glass, grease, rags, feathers, tar, plastics, wood, paunch manure, hair and fleshings, entrails, lime slurry, lime residues, processing slopes, chemical residues, paint residues, cannery waste bulk solids, or any other solids or viscous substance capable of causing obstruction to the flow in sewers or other interference with the proper operation of the sewage collection system or sewage treatment plant.
 - (11) Materials which form excessive amounts of scum that may interfere with the operation of the sewer system or cause undue additional labor in connection with its operation.

- (12) Waters or wastes containing dyes or other color substances which cannot be removed by the existing treatment processes and which require special chemical treatment in order for the sewage treatment plant effluent to stream or effluent parameters set by state and federal law or regulations in accordance with assigned stream standards.
- (13) Any long half-life (over 100 days) radioactive isotope, without written permission of the city. The radio isotopes I 131 and P-32 used at hospitals are not prohibited if dilution at the source is determined to be adequate by the utilities director.
- (14) Any substance which may cause the POTW's effluent or any other product of the POTW such as residues, sludges or scums to be unsuitable for reclamation and reuse or to interfere with the reclamation process. In no case shall a substance discharged to the POTW cause the POTW to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under section 405 of the act; any criteria, guidelines or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act, the Clean Air Act, the Toxic Substances Control Act, or state criteria applicable to the sludge management method being used.
- (15) Any substances which will cause the POTW to violate its NPDES permit or the receiving water quality standards.
- (16) Any pollutants, including oxygen demanding pollutants (BOD, etc.), released at a flow rate or pollutant concentration which a user knows or has reason to know will cause interference to the POTW. In no case shall a slug load have a flow rate or contain concentration or qualities of pollutants that exceed for any time period longer than 15 minutes more than five times the average 24-hour concentration, quantities or flow during normal operation.
- (17) Any wastewater which causes a hazard to human life or creates a public nuisance.
- (b) When the utilities director determines that a user is contributing to the POTW any of the substances listed in subsection (a) of this section in such amounts as to interfere with the operation of the POTW, the utilities director shall:
 - (1) Advise the user of the impact of the contribution on the POTW; and
 - (2) Develop effluent limitations for such user to correct the interference with the POTW.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-232. - Federal categorical pretreatment standards.

- (a) *Generally.* Upon the promulgation of the federal categorical pretreatment standards for a particular industrial subcategory, the federal standard, if more stringent than limitations imposed under this article for sources in that subcategory, shall immediately supersede the limitations imposed under this article. The utilities director shall notify all affected users of the applicable reporting requirements under 40 CFR 403.12.
- (b) *Modification.* Where the city's wastewater treatment system achieves consistent removal of pollutants limited by federal pretreatment standards, the city may apply to the approval authority for modification of specific limits in the federal pretreatment standards. Consistent removal shall mean reduction in the amount of a pollutant or alteration of the nature of the pollutant by the wastewater treatment system to a less toxic or harmless state in the effluent when measured according to the procedures set forth in 40 CFR 403, "General

Pretreatment Regulations for Existing and New Sources of Pollution," promulgated pursuant to the act. The city may then modify pollutant discharge limits in the federal pretreatment standards if the requirements contained in 40 CFR 403 are fulfilled and prior approval from the approval authority is obtained.

Ord. No. 2007-55. § 1, 2-13-07)

Sec. 102-233. - Specific pollutant limitations.

(a) No person shall discharge wastewater containing in excess of the following concentrations to the POTWs listed below:

Maximum Monthly Average Concentration (mg/l)

Pollutant	LCWWTP	Omussee	Cypress
Arsenic	2.0	2.0	1.5
Cadmium	0.05	0.05	0.05
Chromium	5.0	5.0	1.5
Copper	3.5	3.5	0.1
Cyanide	2.0	1.5	0.5
Lead	1.5	1.5	1.5
Mercury	0.01	0.01	0.01
Nickel	3.0	3.0	3.0
Silver	0.01	0.01	0.01
Toluene	500	500	500
Zinc	30.0	30.0	4.0

(b) These limits are maximum average monthly concentrations based on a total permitted pollutant containing flow to each plant of 50,000 GPD or less. More stringent limits may be developed for users who discharge more than 50,000 GPD of wastewater containing a regulated pollutant or for groups of users who in combination cause the total pollutant containing flow to a POTW to exceed 50,000 GPD. This shall be determined on a case-by-case basis by the city at the time of permit issuance.

(c) Maximum allowable weekly average concentrations shall not exceed 150 percent of the values listed in

subsection (a) of this section subject to the 50,000 GPD limit. More stringent limits may also be imposed for pollutants listed in subsection (a) of this section which are discharged in difficult forms or which may have synergistic effects when combined with other pollutants.

Ord. No. 2007-55, § 1, 2-13-07; Ord. No. 2015-337, § 1, 12-1-15)

Sec. 102-234. - State requirements.

State requirements and limitations on discharges under this article shall apply in any case where they are more stringent than federal requirements and limitations or those in this article.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-235. - City's right of revision.

The city reserves the right to establish by ordinance more stringent limitations or requirements on discharges to the wastewater disposal system if deemed necessary to comply with the objectives presented in subsection 102-198(a)(1).

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-236. - Excessive discharge.

Under this article, no user shall ever increase the use of process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in the federal categorical pretreatment standards or in any other pollutant-specific limitation developed by the city or state.

Comment: Dilution may be an acceptable means of complying with some of the prohibitions set forth in subsection 102-231, e.g., the pH prohibition.)

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-237. - Accidental discharges.

(a) *Facilities*, plans to prevent notification of POTW of accident. Each user shall provide protection from accidental discharge of prohibited materials or other substances required by this article. Facilities to prevent accidental discharge of prohibited materials shall be provided and maintained at the owner's or user's own cost and expense. Detailed plans showing facilities and operating procedures to provide this protection shall be submitted to the city for review and shall be approved by the city before construction of the facility. No user who commences contribution to the POT after the effective date of the ordinance from which this article is derived shall be permitted to introduce pollutants into the system until accidental discharge procedures have been approved by the city. Review and approval of such plans and operating procedures shall not relieve the industrial user from the responsibility to modify the user's facility as necessary to meet the requirements of this article. If an accidental discharge occurs, it is the responsibility of the user to immediately telephone and notify the POTW of the incident. The notification shall include location of discharge, type of waste, concentration and volume and corrective actions.

(b) *Written notice*. Within five days following an accidental discharge, the user shall submit to the utilities director a detailed written report describing the cause of the discharge and the measures to be taken by the user to prevent similar future occurrences. Such notification shall not relieve the user of any expense, loss,

damage or other liability which may be incurred as a result of damage to the POTW, fish kills or any other damage to person or property, nor shall such notification relieve the user of any fines, civil penalties or other liability which may be imposed by this article or other applicable law.

- (c) *Notice to employees.* A notice shall be permanently posted on the user's bulletin board or other prominent place advising employees who to call if a dangerous discharge occurs. Employers shall ensure that all employees who may cause or suffer such a dangerous discharge to occur are advised of the emergency notification procedure.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-238. - Unlawful discharge except as authorized.

Under this article, it shall be unlawful to discharge without a city permit to any natural outlet within the city or in any area under the jurisdiction of the city and to the POTW any wastewater except as authorized by the utilities director in accordance with this article.

(Ord. No. 2007-55, § 1, 2-13-07)

Secs. 102-239—102-265. Reserved.

DIVISION 3. - ADMINISTRATION AND ENFORCEMENT

Subdivision I. - In General

Sec. 102-266. - Penalties and costs for violations.

- (a) *Civil penalties.* Any user who is found to have violated an order of the board of commissioners or who willfully or negligently failed to comply with any section of this article and the orders, rules, regulations and permits issued under this article shall be fined not less than \$100.00 or more than \$1,000.00 for each offense. Each day on which a violation shall occur or continue shall be deemed a separate and distinct offense. In addition to the penalties provided in this subsection, the city may recover reasonable attorneys' fees, court costs, court reporters' fees and other expenses of litigation by appropriate suit at law against the person found to have violated this article or the orders, rules, regulations and permits issued under this article.
- (b) *Falsifying information.* Any person who knowingly makes any false statement, representation or certification in any application, record, report, plan or other document filed or required to be maintained pursuant to this article or the wastewater contribution permit or who falsifies, tampers with or knowingly renders inaccurate any monitoring device or method required under this article shall, upon conviction, be punished by a fine of not more than \$500.00 or by imprisonment for not more than six months or by both.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-267. - Enforcement procedures.

- (a) *Discontinuance of service.*

- (1) The city may suspend the wastewater treatment service and a wastewater contribution permit when such suspension is necessary, in the opinion of the city, in order to stop an actual or threatened discharge which presents or presents an imminent or substantial endangerment to the health or welfare of persons or to the environment or causes interference to the POTW, which causes the city to violate any condition of its NPDES permit or for non-compliance of any applicable obligation due to the city's sewer system.
 - (2) Any person notified of a suspension of the wastewater treatment service or the wastewater contribution permit due to public or environmental endangerment or POTW interference shall immediately stop or eliminate the contribution. If the person fails to comply voluntarily with the suspension order, the city shall take such steps as deemed necessary, including immediate severance of the sewer connection, to prevent or minimize damage to the POTW system or endangerment to any individual. The city shall reinstate the wastewater contribution permit and the wastewater treatment service upon proof of the elimination of the noncomplying discharge. A detailed written statement submitted by the user describing the causes of the harmful contribution and the measures taken to prevent any future occurrence shall be submitted to the city within 15 days of the date of occurrence.
 - (3) Discontinuance of service by the city for any causes stated in this article shall not release the customer from liability for service already received or from liability for payments that thereafter become due under the billing provisions or other provisions of the customer's agreement. The city shall have the right to refuse to render service to any applicant who is furnished sewer services when the customer is in default in the payment of any obligation to the city or has had service disconnected because of a violation of this article.
- (b) *Revocation of permit.* Any user who violates the following conditions of this article or applicable state and federal regulations is subject to having the permit revoked in accordance with the procedures of this article:
- (1) Failure of a user to factually report the wastewater constituents and characteristics of the user's discharge;
 - (2) Failure of the user to report significant changes in operations or wastewater constituents and characteristics;
 - (3) Refusal of reasonable access to the user's premises for the purpose of inspection or monitoring;
 - (4) Violation of conditions of the permit; or
 - (5) Modifies facilities without obtaining prior written approval from the city according to city requirements.
- (c) *Notice of violation.* Whenever the city finds that any user has violated or is violating this article, the wastewater contribution permit or any prohibition, limitation of requirements contained in this article, the city may serve upon such person a written notice stating the nature of the violation. Within 30 days of the date of the notice, a plan for the satisfactory correction thereof shall be submitted to the city by the user.
- (d) *Show cause hearing.*
- (1) The city may order any user who causes or allows an unauthorized discharge to enter the POTW to show cause before the board of commissioners why the proposed enforcement action should not be taken. A notice shall be served on the user specifying the time and place of a hearing to be held by the board of commissioners regarding the violation, the reasons why the action is to be taken, the proposed enforcement action, and directing the user to show cause before the board of commissioners why the

proposed enforcement action should not be taken. The notice of the hearing shall be served personally or by registered or certified mail, return receipt requested, at least ten days before the hearing. Service may be made on any agent or officer of a corporation.

- (2) The board of commissioners may itself conduct the hearing and take the evidence or may designate any of its members or any officer or employee of the engineering department to:
 - a. Issue in the name of the board of commissioners notices of hearings requesting the attendance and testimony of witnesses and the production of evidence relevant to any matter involved in such hearings.
 - b. Take the evidence.
 - c. Transmit a report of the evidence and hearing, including transcripts and other evidence, together with recommendations to the board of commissioners for action thereon.
- (3) At any hearing held pursuant to this article, testimony taken must be under oath and recorded stenographically. The transcript, so recorded, will be made available to any member of the public or any party to the hearing upon payment of the usual charges thereof.
- (4) After the board of commissioners has reviewed the evidence, it may issue an order to the user responsible for the discharge directing that, following a specified time period, the sewer service be discontinued unless adequate treatment facilities, devices or other related appurtenances shall have been installed on existing treatment facilities, devices or other related appurtenances are properly operated. Further orders and directives as are necessary and appropriate may be issued.
- (e) *Legal action.* If any person discharges sewage, industrial wastes or other wastes into the city's wastewater disposal system contrary to this article, federal or state pretreatment requirements or any order of the city, the city attorney may commence an action for appropriate legal and equitable relief in the circuit court of the county.

(Ord. No. 2007-55, § 1, 2-13-07; Ord. No. 2009-311, § 1, 9-22-09)

Sec. 102-268. - Interruption of service; use of laterals; availability of service; private wastewater disposal; connection fee.

- (a) *Interruption of service.* The city shall not be liable for any damage resulting from the failure of any sewer main, service pipes or valves or by discontinuing the operation of its wastewater collection, treatment and sewer facilities for repair, extensions or connections or from the accidental failure of the wastewater collection system or treatment and disposal facilities or from any cause whatsoever. In an emergency, the city shall have the right to restrict the use of its wastewater collection, treatment and disposal facilities in any reasonable manner for the protection of the city and its sewer system.
- (b) *Use and maintenance of sewer laterals.* Sewer laterals that have been previously used but have been abandoned due to the razing of a building structure may be used in connection with new buildings only when they are found, on examination and testing by a licensed plumber to the satisfaction of the city, to meet all requirements of this article. When a building structure is razed and the sewer lateral is to be abandoned, the owner of the property must supply written certification that the lateral has been plugged and located on a map for future use, using distance measurements to landmarks or points of interest. The certification shall be signed by the contractor or owner performing the work and the city inspector who witnessed the installation of the plug. Responsibility for maintenance of a sewer lateral lies entirely with the owner of the serviced property. This includes all portions of the sewer lateral from the structure being serviced to the main

sewer line whether located in the public right-of-way or public easement. The city may perform repairs on portions of the service lateral located in the public right-of-way when requested to do so by the owner of the serviced property. No pavement or curbing of any public street or thoroughfare may be disturbed or cut in any way without prior approval from the director of the utilities department or his designee. Persons requesting city assistance with maintenance of a sewer lateral must execute an agreement whereby the city is held harmless for any liability for damages, including personal injury and property damage, whether real or personal, resulting directly or indirectly from the city's efforts to remedy the defect in the sewer lateral, whether on private property, public right-of-way or easement.

In the event a defect in the sewer lateral is discovered by the city, notice will be given to the owner of the serviced property that it must be repaired within 45 days. Failure or refusal of said owner to make proper repairs as identified by the city as requested will be grounds for immediate disconnection of the property owner's water and/or electric service. A reconnection fee of \$25.00 will be assessed by the city upon completion of repairs after reconnection.

All installations of sewer laterals must include a clean-out assembly at the property line. Clean-outs that are located in the street, pavement or sidewalk shall be made of brass or an approved metallic section to twelve inches below grade with a traffic-supporting structure. All cleanouts shall be flush with the surface.

In the event the city performs work on a sewer lateral without a clean-out assembly, one will be installed by the city at the owner's expense.

- (c) *Availability of sanitary sewers.* At such times as a public sewer becomes available to a property served by a private wastewater disposal system that is functioning properly, connection to the public sewer may be waived. However, once the private wastewater disposal becomes defective, direct connection shall be made within 30 days to the public sewer in compliance with this article. An extension of time may be granted by the public works director/city engineer for cause; however, the granting of the extension of time will not waive the payment of the sewer service charge. Any defective septic tanks, cesspools and similar private wastewater disposal facilities shall be abandoned and filled with suitable material. As long as the private wastewater system is operating properly and connection is not made to the public sewer, no payment for the sewer service charge shall be required.
- (d) *Private wastewater disposal within city limits.* Where a sanitary sewer is not available, the building sewer shall be connected to a private disposal system complying with all city ordinances and county health department regulations relating to this subject. The sewer shall be considered available where the first floor of the building above ground level can enter the city's main by gravity flow or where the main is within 150 feet of any portion or corner of the property that can enter the city's main by gravity flow. Where new sanitary sewers are constructed, the premises which can or should be connected to the new sewer, in accordance with this article and amendments thereto, shall be subject to the sewer service charge as soon as connections are made to the new sewer.
- (e) *Connection fee.* A connection fee shall be paid in accordance with section 102-333 before the sewer connection is made. The property owner may pay the connection fee at the time the sewer becomes available, even though, in accordance with this section, connection may not be made until later. If the connection fee is increased at a later date, no additional fee will be charged if already paid.

(Ord. No. 2007-55, § 1, 2-13-07)

- (a) It shall be unlawful for any person to refuse or fail to connect with a public sewer within 30 days from the receipt of written notice by the public works director/city engineer or the county board of health to so connect whenever such public sewer and a public water supply are reasonably accessible. Such public sewer and public water supply shall be deemed to be reasonably accessible when such public water supply and public sewer are within a distance of 150 feet of any outside line on the lot upon which any dwelling or other building is located, provided such sewer can be reached without crossing the property of another. When such property or premises is not subdivided into lots and so designated on available surveys or maps of record, the distance shall be deemed to apply to the nearest portion of such dwelling or other building.
- (b) This section shall apply to all persons and property within the corporate limits or the police jurisdiction of the city.

(Ord. No. 2007-55, § 1, 2-13-07)

Secs. 102-270—102-295. Reserved.

Subdivision II. - Permits and Reports

Sec. 102-296. - Plumbing permits.

Under this article, all users proposing to connect to or to contribute to the POTW, whether residential, commercial or industrial, shall obtain a plumbing permit before connecting to the POTW. The individual obtaining the plumbing permit shall certify that they have inspected the sewer lateral stub-out to confirm it is free from defects and open to the main sewer line. This requirement is in addition to any other permit requirements that may be applicable, depending on the nature and size of the proposed discharge.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-297. - Wastewater contribution permit.

- (a) *Required.* All significant industrial users proposing to connect to or to contribute to the POTW shall obtain a wastewater contribution permit before connecting to or contributing to the POTW
- (b) *Permit application.* Users required to obtain a wastewater contribution permit shall complete and file with the city an application in the form prescribed by the city and accompanied by a fee also prescribed by the city. Proposed new users shall apply at least 90 days prior to connecting to or contributing to the POTW. In support of the application, the user shall submit, in units and terms appropriate for evaluation, the following information:
 - (1) Name, address, and location, if different from the address.
 - (2) SIC number according to the Standard Industrial Classification Manual, Bureau of the Budget, 1972, as amended.
 - (3) Wastewater constituents and characteristics, including but not limited to those mentioned in division 2 of this article as determined by a reliable analytical laboratory, sampling and analysis shall be performed in accordance with procedures established by the EPA pursuant to section 304(g) of the act and contained in 40 CFR 136, as amended.

- (4) Time and duration of contribution.
- (5) Average daily and three-minute peak wastewater flow rates, including daily, monthly and seasonal variations if any.
- (6) Site plans, floor plans, mechanical and plumbing plans and details to show all sewers, sewer connections, and appurtenances by the size, location and elevation.
- (7) Description of activities, facilities and plant processes on the premises including all materials which are or could be discharged.
- (8) Where known, the nature and concentration of any pollutants in the discharge which are limited by any city, state or federal pretreatment standards and a statement regarding whether or not the pretreatment standards are being met on a consistent basis and, if not, whether additional operation and maintenance (O&M) and additional pretreatment is required for the user to meet applicable pretreatment standards.
- (9) If additional pretreatment and O&M will be required to meet the pretreatment standards, the shortest schedule by which the user will provide such additional pretreatment. The completion date in this schedule shall not be later than the compliance date established for the applicable pretreatment standard. The following conditions shall apply to this schedule:
 - a. The schedule shall contain increments of progress in the form of dates for the commencement and completion of major events leading to the construction and operation of additional pretreatment required for the user to meet the applicable pretreatment standards (e.g., hiring an engineer, completing preliminary plans, completing final plans, executing contract for major components, commencing construction, completing construction, etc.).
 - b. No increments referred to in subsection (b)(9)a of this section shall exceed nine months.
 - c. Not later than 14 days following each date in the schedule and the final date for compliance, the user shall submit a progress report to the utilities director including, as a minimum, whether or not the user complied with the increment of progress to be met on such date and, if not, the date on which the user expects to comply with this increment of progress, the reason for delay, the steps being taken by the user to return the construction to the schedule established. In no event shall more than nine months elapse between such progress reports to the utilities director.
- (10) Each product produced by type, amount, process and rate of production.
- (11) Type and amount of raw materials processed (average and maximum per day).
- (12) Number and type of employees and hours of operation of the plant and proposed or actual hours of operation of the pretreatment system.
- (13) Any other information as may be deemed by the city or approval authority to be necessary to evaluate the permit application.

The city will evaluate the data furnished by the user and may require additional information. After evaluation and acceptance of the data furnished, the city may issue a wastewater contribution permit subject to the terms and conditions provided in this section. A draft of each proposed wastewater contribution permit shall be provided the industrial user with a 30-day comment period. No comment within 30 days will result in issuance of the permit as proposed.

- (c) *Permit modifications.* Within nine months of the promulgation of a national categorical pretreatment standard, the wastewater contribution permits of users subject to such standards shall be revised to require

compliance with such standard within the timeframe prescribed by such standard. Where a user, subject to a national categorical pretreatment standard, has not previously submitted an application for a wastewater contribution permit as required by subsection (b) of this section, the user shall apply for a wastewater contribution permit within 180 days after the promulgation of the applicable national categorical pretreatment standard. In addition, the user with an existing wastewater contribution permit shall submit to the utilities director within 180 days after the promulgation of an applicable federal categorical pretreatment standard the information required by subsections (b)(8) and (9) of this section.

- (d) *Permit conditions.* Wastewater contribution permits shall be expressly subject to all provisions of this article and all other applicable regulations, user charges and fees established by the city. Permits may contain the following:
- (1) The unit charge or schedule of user charges and fees for the wastewater to be discharged to a community sewer.
 - (2) Limits on the average and maximum wastewater constituents and characteristics.
 - (3) Limits on average and maximum rate and time of discharge or requirements for flow regulations and equalization.
 - (4) Requirements for the installation and maintenance of inspection and sampling facilities.
 - (5) Specifications for monitoring programs which may include sampling locations, frequency of sampling, number, types and standards for tests and reporting schedule.
 - (6) Compliance schedules.
 - (7) Requirements for submission of technical reports or discharge reports.
 - (8) Requirements for maintaining and retaining plant records relating to wastewater discharge as specified by the city and affording city access thereto.
 - (9) Requirements for notification to the city or any new introduction of wastewater constituents or any substantial change in the volume or character of the wastewater constituents being introduced into the wastewater treatment system.
 - (10) Requirements for notification of slug discharges.
 - (11) Other conditions as deemed appropriate by the city to ensure compliance with this article.
- (e) *Term.* Permits shall be issued for a specified time period, not to exceed five years. A permit may be issued for a period less than a year or may be stated to expire on a specific date. The user shall apply for permit reissuance a minimum of 180 days prior to the expiration of the user's existing permit. The terms and conditions of the permit may be subject to modification by the city during the term of the permit as limitations or requirements as identified in subsection (b) of this section are modified or other just cause exists. The user shall be informed of any proposed changes in the user's permit at least 30 days prior to the elective date of change. Any changes or new conditions in the permit shall include a reasonable time schedule for compliance.
- (f) *Transferability.* Wastewater contribution permits are issued to a specific user or a specific operation. A wastewater discharge permit shall not be reassigned or transferred or sold to a new owner, new user, different premises or a new or changed operation without the approval of the city. Any succeeding owner or user shall also comply with the terms and conditions of the existing permit.

Sec. 102-298. - Reporting requirements for wastewater contribution permit.

(a) *Compliance date report.* Within 90 days following the date for final compliance with applicable pretreatment standards or, in the case of a new source, following commencement of the introduction of wastewater into the POTW, any user subject to pretreatment standards and requirements shall submit to the utilities director a report indicating the nature and concentration of all pollutants in the discharge from the regulated process which are limited by pretreatment standards and requirements and the average and maximum daily flow for these process units in the user facility which are limited by such pretreatment standards or requirements. The report shall state whether the applicable pretreatment standards or requirements are being met on a consistent basis and, if not, what additional O&M or pretreatment is necessary to bring the user into compliance with the applicable pretreatment standards or requirements. This statement shall be signed by an authorized representative of the industrial user, and certified to by a qualified professional.

(b) *Periodic compliance reports.*

- (1) Any user subject to a pretreatment standard, after the compliance date of such pretreatment standard, or, in the case of a new source, after commencement of the discharge into the POTW shall submit to the utilities director during the months of June and December, unless required more frequently in the pretreatment standard or by the utilities director, a report indicating the nature and concentration of pollutants in the effluent which are limited by such pretreatment standards. In addition, this report shall include a record of all daily flows which during the reporting period exceeded the average daily flow recorded in section 102-297. At the discretion of the utilities director and in consideration of such factors as local high or low flow rates, holidays, budget cycles, etc., the utilities director may agree to alter the months during which such reports are to be submitted.
- (2) The utilities director may impose mass limitations on users which are using dilution to meet applicable pretreatment standards or requirements or when the imposition of mass limitations are appropriate. In such cases, the report required by subsection (b)(1) of this section shall indicate the mass of pollutants regulated by pretreatment standards in the effluent of the user. These reports shall contain the results of sampling and analysis of the discharge, including the flow and the nature and concentration, or production and mass where requested by the utilities director of pollutants contained therein which are limited by the applicable pretreatment standards. The frequency of monitoring shall be prescribed in the applicable pretreatment standards. All analyses shall be performed in accordance with procedures established by the administrator pursuant to section 304(g) of the act and contained in 40 CFR 136 and amendments thereto or with any other test procedures approved by the administrator. Sampling shall be performed in accordance with the techniques approved by the administrator.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-299. - Monitoring facilities, inspection and sampling, pretreatment, confidential information.

(a) *Monitoring facilities.*

- (1) Under this article, the city shall require to be provided and operated at the user's own expense monitoring facilities to allow inspection, sampling and flow measurement of the building sewer and internal drainage systems. The monitoring facility should be situated at an uncontrolled point in order that the city may carry out compliance sampling without restriction to the sampling point.
- (2) There shall be ample room in or near such sampling manhole or facility to allow accurate sampling and

preparation of samples for analysis. The facility, sampling and measurement equipment shall be maintained at all times in a safe and proper operating condition at the expense of the user.

(3) Whether constructed on public or private property, the sampling and monitoring facilities shall be provided in accordance with the city's requirements and all applicable local construction standards and specifications. Construction shall be completed within 90 days following written notification by the city unless a time extension is requested by the user within ten days of receipt of notification. Such a request for a time extension shall be accompanied by justification for such an extension.

(b) *Inspection and sampling.* The city shall inspect the facilities of any user to ascertain whether the purpose of this article is being met and all requirements are being complied with. Persons or occupants of premises where wastewater is created or discharged shall allow the city ready access at all reasonable times to all parts of the premises for the purposes of inspection, sampling, records examination or in the performance of any of its duties. The city, approval authority and EPA shall have the right to set up on the user's property such devices as are necessary to conduct sampling inspection, compliance monitoring and metering operations. Where a user has security measures in force which would require proper identification and clearance before entry into the user's premises, the user shall make necessary arrangements with the user's security guards so that, upon presentation of suitable identification, personnel from the city, approval authority and EPA will be permitted to enter, without delay, for the purposes of performing specific responsibilities.

(c) *Pretreatment.*

(1) Users shall provide necessary wastewater treatment as required to comply with this article and shall achieve compliance with all federal categorical pretreatment standards within the time limitations as specified by the federal pretreatment regulations. Any facilities required to pretreat wastewater to a level acceptable to the city shall be provided, operated and maintained at the user's expense. Detailed plans showing the pretreatment facilities and operating procedures shall be submitted to the city for review and shall be acceptable to the city before construction of the facility. The review of such plans and operating procedures will in no way relieve the user from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the city under this article. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to and shall be acceptable to the city prior to the user's initiation of the changes.

(2) The city shall annually publish in the largest local daily newspaper a list of the users who were significantly violating applicable pretreatment requirements or standards during the 12 previous months. Significant violations would be those which remain uncorrected 45 days after notification of noncompliance, which are part of a pattern of noncompliance over a 12-month period or which involve a failure to accurately report noncompliance. The notification shall also summarize any enforcement actions taken against the user during the same 12 months.

(3) All records relating to compliance with pretreatment standards shall be made available to officials of the EPA or approval authority upon request.

(d) *Confidential information.*

(1) Information and data on a user obtained from reports, questionnaires, permit applications, permits and monitoring programs and from inspections shall be available to the public or other governmental agency without restrictions unless the user specifically requests and is able to demonstrate to the satisfaction of the city that the release of such information would divulge information, processes or methods of production entitled to protection as trade secrets of the user.

- (2) When requested by the person furnishing a report, the portions of a report which might disclose trade secrets or secret processes shall not be made available for inspection by the public but shall be made available upon written request to governmental agencies for uses related to this article, the National Pollutant Discharge Elimination System (NPDES) permit, state indirect discharge permit and the pretreatment programs; provided, however, that such portions of a report shall be available for use by the state or any state agency in judicial review or enforcement proceedings involving the person furnishing the report. Wastewater constituents and characteristics will not be recognized as confidential information.
- (3) Information accepted by the city as confidential shall not be transmitted to any governmental agency by the city until and unless a ten-day notification is given to the user.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-300. - Commercial wastewater disposal service.

- (a) *Application for permit.* No person shall clean out, drain, flush, or discharge any septic tank or any other type of wastewater, grease trap waste, or excreta disposal system within the jurisdictional limits of this article unless such person obtains a permit from the city to perform such acts or services. Providing the above described services within the corporate limits of the city without a city permit is in violation of the Code and those actions are subject to penalties as defined in the Code. Any person desiring a permit to perform such services shall file with the city an application for such permit to the prescribed form. Upon any such application, the permit shall be issued by the city when the conditions of this article have been met and providing the city is satisfied that the applicant has adequate and proper equipment to perform the services contemplated and has sufficient knowledge of septic tank or other wastewater or excreta disposal system construction to perform the services contemplated in a safe and competent manner. Permit applications may be obtained at the Dothan Utilities operation complex.
- (b) *Fees.* For each commercial wastewater disposal permit issued under this article, an annual service charge shall be paid to the city in the amount of \$100.00. Any such permit granted shall be for one full fiscal year of the city or a fraction thereof, and the full service charge shall be payable for any fraction of the fiscal year and shall continue in full force and effect from the time issued until the ending of the city's fiscal year unless sooner revoked and shall be nontransferable.
- (c) *Display of number on vehicle.* The number of the permit granted under this section shall be plainly painted on each side of each motor vehicle used in the conduct of the business permitted under this article. The number of the permit shall also be listed plainly on the manifest for each load discharged, along with content description, volume, and point of origin.
- (d) *Designated disposal locations.* The utilities director shall designate approved locations (typically the discharge site will be the Omussee Wastewater Treatment Plant, but alternate locations may be approved by the utilities director or the director's designee, if justifiable cause is demonstrated by the hauler) for the emptying and cleansing of all equipment used in the performance of the services required under such a valid permit, and it shall be a violation for any person to empty or clean such equipment at any place other than a place so designated.
- (e) *Disposal charges.* As follows: Any person having such a permit shall be charged on a volume basis for only domestic sewage and sludge or grease trap waste to be discharged into the sewer system at a rate of \$50.00

per 1,000 gallons for points of origin inside the city limits, towns or municipalities adjacent to the city limits, or areas within the county beginning April 1, 2007. The domestic sewage and sludge or grease trap waste charge shall increase by 2.85 percent starting October 1, 2009 and then increase by 2.85 percent each October 1 thereafter. In absence of calibrated metering equipment, the charged volume will be based upon the capacity of the tanker discharging into the city system. No volume will be discharged before a certified manifest showing each location with specific volume serviced for the specific load is provided to and accepted by city utilities personnel. No other type sewage or sludge shall be accepted for disposal.

- (f) *Revocation of permit.* Failure to comply with all the requirements of this article shall be sufficient cause for the revocation of such permit by the city. The possession within the jurisdictional limits of this article by any person or any motor vehicle equipped with a body type and accessories of a nature and design capable of serving as a septic tank or wastewater excreta disposal system cleaning unit shall be prima facie evidence that such person is engaged in the business of cleaning, draining or flushing septic tanks or other wastewater or excreta disposal systems within the jurisdictional limits of this article.

(Ord. No. 2007-55, § 1, 2-13-07; Ord. No. 2009-311, § 2, 9-22-09)

Secs. 102-301—102-330. - Reserved.

DIVISION 4. - FEES AND CHARGES

Sec. 102-331. - Charges and billing.

- (a) *Wastewater service charge.* The wastewater service charge for all wastewater is based on the water discharged to the sewer system as measured by the public water supply meter and by any supplementary meter necessary to measure the amount of water discharged. The basic wastewater service charge shall be determined upon the metered flow and at rates as provided in this section as follows:
- (1) *Single point delivery.* The rates fixed by this article are based upon the supply of service to the entire premises through a single delivery and metering point on single discharge and metering point. If service is rendered to any customers or premises through more than one point, the city reserves the right to meter and to bill each such point as a separate service.
 - (2) *Multiple services through single meter.* Where the city allows more than one premises to be served through a single service line and meter, the amount of water used or discharged by all the premises served through a single service line and meter on single discharge line and meter shall be allocated to each separate premises thus served by dividing the amount of water so used by the number of premises served. The sewer service charge for each such premises thus served shall be computed just as if each premises had received through a separately metered service the amount of water used or discharged, such computation to be made at the city's applicable sewer service charge rates. The separate charges for each premises served through a single service line and meter shall then be added together and the sum thereof shall be billed to the customer in whose name the service is supplied.
 - (3) *Secondary meters.* Any customer qualified to use a secondary meter for the purpose of measuring water not discharged to the sanitary sewer or measuring water discharged into the sanitary sewer to effect a reduction in the wastewater service charge must furnish and install the meter at the customer's expense. All expenses incident thereto, including testing, repair, maintenance, billing and reading, shall be borne

by the property owner or occupant. The reading and billing expense will be determined by the city and charged off on the account to be credited each month. The meter must meet the requirements and standards of new meters then being installed by the city. When a customer furnishes his own meter, the meter shall remain the property of the customer. No secondary meter shall be installed without written approval from the city. Secondary meters are to be installed by persons qualified to do plumbing under Ordinance No. 3734 and amendments thereto. Upon completion of the installation, the city shall be notified in writing and the work of installation shall be inspected and approved by an authorized agent of the city.

- (4) *Alternate water supplies.* Wells or sources of water supply other than municipal water supplies shall be registered in writing with the city, giving the name of the individual or firm, the address, source and approximate amount of water supply other than that from municipal water supplies, together with a sketch of an approximate scale showing a plan of the property, water distribution system, and sewer layout.
- a. The residential customer shall be billed at the maximum residential sewer service charge each month.
 - b. For commercial facilities and industrial plants using water from private sources rather than being metered from a public water system, which water is discharged into the municipal sewer system, the charges shall be based upon a recording meter approved by the Dothan Utilities Manager, installed and maintained by the person, plant or establishment served. The meter shall be accessible to city personnel at all times. Such meter installation shall be properly installed and maintained to the complete and continuing approval of the utilities director.
- (b) *Surcharges for extra strength wastes.* Users who discharge or cause to be discharged extra strength wastes to the sewer system in accordance with this article will be subject to a surcharge to reimburse the city for above-normal operating and maintenance expense incurred in treating and disposing of the discharge. The surcharge for extra strength wastes will be assessed in accordance with this article. Failure to pay entire surcharges for extra strength wastes bill shall be the cause for disconnecting services in accordance with section 102-34. Strong domestic waste shall be defined as follows:

Constituent	Concentration (mg/l)
Total suspended solids	350
Settleable solids	20 ml/l
Biochemical oxygen demand BOD 5	400
Total organic carbon	290
Oil and grease	150
Total nitrogen	85
Total phosphorus	15

- (c) *Other charges and fees.* In addition to the basic wastewater service charge and any applicable surcharges, the city may also adopt charges and fees which may include:
- (1) Fees for reimbursement of costs of setting up and operating the city's pretreatment program.
 - (2) Fees for monitoring, inspections and surveillance procedures.
 - (3) Fees for reviewing accidental discharge procedures and construction.
 - (4) Fees for the permit application.
 - (5) Fees for filing appeals.
 - (6) Fees for consistent removal by the city of pollutants otherwise subject to federal pretreatment standards.
 - (7) Other fees as the city may deem necessary to carry out the requirements contained in this article.

These fees relate solely to the matters covered by this article and are separate from all other fees chargeable by the city.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-332. - Miscellaneous charges.

- (a) The sewer charges made in this article shall be charged to all locations where sewer service is rendered and may be charged as a whole for each location.
- (b) If any bill for monthly utility services on any such location or building shall remain due and unpaid on the day the utility services furnished by the city to such location or building becomes in arrears, such utility services shall be disconnected and shall not be reconnected until all past due bills for utility services are paid, together with all reconnecting charges (see section 102-34).
- (c) The charges shall in no way affect other plumbing inspection and permit fees.
- (d) The board of commissioners shall have the right to make necessary adjustments in sewer service charges as reflected by any adjustments in water billing.
- (e) Sewer service charges shall be added to the charge for water and billed each month and collected simultaneously with the water bills of each customer. The same penalties and discontinuance of water service where such sewer service charges are not paid shall apply as for failure to pay monthly water bills.

(Ord. No. 2007-55, § 1, 2-13-07)

Sec. 102-333. - Sewer connection fees.

For a new building lateral connection to the city's trunk or collection system, the following charges shall be paid to cover the cost of installation:

A standard four-inch residential sewer lateral in unpaved streets and easements shall be a minimum of \$850.00. The fee can be increased if installation requires extra length of pipe, larger pipe, manholes or other specific conditions that would result in a greater than normal cost as determined by the utilities director or public works director/city engineer. All laterals shall be installed by the city unless otherwise directed by the utilities manager or public works director/city engineer.

A fee of \$250.00 will be added to the above amount for street cuts and/or crossings. The fee can be increased due to large or difficult street repairs, bores, or other specific conditions that would result in a greater than normal cost as determined by the utilities director or public works director/city engineer.

Ord. No. 2007-55, § 1, 2-13-07; Ord. No. 2009-311, § 3, 9-22-09)

Sec. 102-334. - Rates.

- (a) The classified rates and application in this section are defined and established for the furnishing of sewer service by the city. Each metered residence, family apartment, commercial building or premises through which water is furnished and sewer service is furnished by the city shall be charged for sewer services in the amount and on the basis set forth in this section.
- (b) The discharge of wastewater into a storm sewer or open drainage ditch is expressly prohibited. In addition to other penalties and charges, such unlawful discharge is also subject to the sewer service charge. However, this shall not apply to a commercial user who has filed for a National Pollutant Discharge Elimination System permit to the United States Environmental Protection Agency and who furnishes the city with a copy of such permit and who, at the commercial user's expense, provides, operates and maintains the wastewater treatment plant facilities, which have been approved and meet all regulations, standards and other requirements set by such agency. Such commercial user who so qualifies shall be allowed to discharge such treated industrial wastewater into the city's storm drainage system without charge, which shall be metered by a proper recording meter, furnished and installed by the commercial user at the user's expense in order to measure the treated industrial wastewater being so discharged into the storm drainage system or by a secondary recording meter furnished and installed by the commercial user at the user's expense in order to measure the untreated industrial wastewater being so discharged into the city's sanitary sewer system for which a charge shall be made as set forth by the rates as shown in this section. Furthermore, if any such meter fails to register for any period, the amount of industrial wastewater discharged into either the storm sewer system or the sanitary sewer system during such period shall be deemed to be the amount of industrial wastewater being so discharged in the corresponding period immediately prior to the failure, unless the city and the commercial user agree upon a different amount. The recording meter shall be read by the city at regular times monthly as for other meters. An official of the commercial user at all reasonable times shall have access to the meter for the purpose of verifying its readings.
- (c) The sewer service charge is the amount charged to the customer which shall include a user charge for the operation, maintenance and minor repair, including nonexcessive infiltration and inflow, and may include charges for capital reserve, debt service, other charges for current services, surcharges, etc.
- (d) Any revenues derived from the sale of treatment-related byproducts shall offset the costs of operation and maintenance and reduce the user charge. The board of commissioners will review the user charges at least annually and revise the rates as necessary to ensure that adequate revenues are generated to pay the costs of operation and maintenance, including replacement, and that the system continues to provide for the proportional distribution of operation and maintenance, including replacement costs among users and user classes.
- (e) The city will notify each user at least annually of the rate being charged for operation and maintenance, including replacement of the treatment works.
- (f) The rates shall be as follows:

- (1) *Domestic and residential.* The rate for domestic and residential shall be \$5.08 per 1,000 gallons of metered water billed through the December 2015 billing cycle. Beginning with the January 2016 billing cycle, the rate will increase to \$5.33 per 1,000 gallons of metered water. Beginning with the October 2016 billing cycle, the rate will increase to \$5.83 per 1,000 gallons of metered water. Beginning with the October 2017 billing cycle the rate will increase to \$6.13 per 1,000 gallons of metered water. Beginning with the October 2018 billing cycle the rate will increase to \$6.48 per 1,000 gallons of metered water. Beginning with the October 2019 billing cycle the rate will increase to \$6.78 per 1,000 gallons of metered water. Beginning with the October 2020 billing cycle, the rate will increase by 2.85 percent and then by 2.85 percent each October billing cycle thereafter. A cost of service analysis will be conducted and presented to the city commission as determined by the city manager. The minimum service charge each month shall be based upon a minimum water consumption of 2,000 gallons. The maximum sewer service charge each month shall be based upon a minimum water consumption of 15,000 gallons.
- (2) *Commercial.* The rate for commercial shall be \$5.08 per 1,000 gallons of metered water billed through the December 2015 billing cycle. Beginning with the January 2016 billing cycle, the rate will increase to \$5.33 per 1,000 gallons of metered water. Beginning with the October 2016 billing cycle, the rate will increase to \$5.83 per 1,000 gallons of metered water. Beginning with the October 2017 billing cycle the rate will increase to \$6.13 per 1,000 gallons of metered water. Beginning with the October 2018 billing cycle the rate will increase to \$6.48 per 1,000 gallons of metered water. Beginning with the October 2019 billing cycle the rate will increase to \$6.78 per 1,000 gallons of metered water. Beginning with the October 2020 billing cycle, the rate will increase by 2.85 percent and then by 2.85 percent each October billing cycle thereafter. A cost of service analysis will be conducted and presented to the city commission as determined by the city manager. The minimum sewer service charge each month shall be based upon a minimum water consumption of 6,000 gallons.
- (3) *Industrial.* The rate for industrial shall be \$5.08 per 1,000 gallons of metered water billed through the December 2015 billing cycle. Beginning with the January 2016 billing cycle, the rate will increase to \$5.33 per 1,000 gallons of metered water. Beginning with the October 2016 billing cycle, the rate will increase to \$5.83 per 1,000 gallons of metered water. Beginning with the October 2017 billing cycle the rate will increase to \$6.13 per 1,000 gallons of metered water. Beginning with the October 2018 billing cycle the rate will increase to \$6.48 per 1,000 gallons of metered water. Beginning with the October 2019 billing cycle the rate will increase to \$6.78 per 1,000 gallons of metered water. Beginning with the October 2020 billing cycle, the rate will increase by 2.85 percent and then by 2.85 percent each October billing cycle thereafter. A cost of service analysis will be conducted and presented to the city commission as determined by the city manager. The minimum sewer service charge each month shall be based upon a minimum water consumption of 50,000 gallons.
- (4) *Recreational vehicle parks and other transient facilities.* The rate for recreational vehicle parks and other transient facilities shall be \$5.08 per 1,000 gallons of metered water billed through the December 2015 billing cycle. Beginning with the January 2016 billing cycle, the rate will increase to \$5.33 per 1,000 gallons of metered water. Beginning with the October 2016 billing cycle, the rate will increase to \$5.83 per 1,000 gallons of metered water. Beginning with the October 2017 billing cycle the rate will increase to \$6.13 per 1,000 gallons of metered water. Beginning with the October 2018 billing cycle the rate will increase to \$6.48 per 1,000 gallons of metered water. Beginning with the October 2019 billing cycle the rate will increase to \$6.78 per 1,000 gallons of metered water. Beginning with the October 2020 billing cycle, the

rate will increase by 2.85 percent and then by 2.85 percent each October billing cycle thereafter. A cost of service analysis will be conducted and presented to the city commission as determined by the city manager. The minimum sewer service charge each month shall be based upon 2,000 gallons per space.

(Ord. No. 2007-55, § 1, 2-13-07; Ord. No. 2009-311, § 4, 9-22-09; Ord. No. 2015-337, § 2, 12-1-15)

Sec. 102-335. - Notice of occupancy of apartment or office.

Failure to notify the city utilities billing office of the occupancy of an apartment or office for which an extra minimum charge should be made shall be deemed a misdemeanor. The minimum charge for unoccupied apartments and offices shall cease only when the city is notified of such vacancy and a written order is issued by city utilities billing office for record purposes.

(Ord. No. 2007-55, § 1, 2-13-07; Ord. No. 2009-311, § 5, 9-22-09)

Sec. 102-336. - Senior citizen discount on sewage.

Senior citizens who have reached the age of 65 whose sole source of income is Social Security Benefits and that discharge 3,000 gallons of sewage per month or less will receive a \$2.00 reduction in their monthly sewer bill after completion of the required documentation and approval by the finance department. This applies to single unit residential dwellings with individual water meters and will be based upon the metered water consumption at the customer's location. If the customer has multiple active properties, senior discount may only be applied to the customer's primary residence.

(Ord. No. 2015-337, § 3, 12-1-15; Ord. No. 2019-294, § 7, 11-19-19)

Sec. 102-337. - City uses.

- (a) *Monthly report.* All sewer used by the various departments of the city shall be accounted for monthly, and a report shall be made available to the board of commissioners and city manager of the monthly 1,000 gallons used by city owned facilities.
- (b) *Rate.* The rate for city use shall be \$5.08 per 1,000 gallons of metered water billed through the December 2015 billing cycle. Beginning with the January 2016 billing cycle, the rate will increase to \$5.33 per 1,000 gallons of metered water. Beginning with the October 2016 billing cycle, the rate will increase to \$5.83 per 1,000 gallons of metered water. Beginning with the October 2017 billing cycle the rate will increase to \$6.13 per 1,000 gallons of metered water. Beginning with the October 2018 billing cycle the rate will increase to \$6.48 per 1,000 gallons of metered water. Beginning with the October 2019 billing cycle the rate will increase to \$6.78 per 1,000 gallons of metered water. Beginning with the October 2020 billing cycle, the rate will increase by 2.85 percent and then by 2.85 percent each October billing cycle thereafter.

(Ord. No. 2007-55, § 1, 2-13-07; Ord. No. 2009-311, § 6, 9-22-09; Ord. No. 2015-337, § 4, 12-1-15)

Sec. 102-338. - Sanitary sewer service outside of the city limits.

The following requirements shall be met for facilities located outside of the city limits that wish to have sanitary sewer service provided by the City of Dothan.

- (a) The city commission shall approve providing sanitary sewer service to the facility.

- (b) The cost of materials, installation and maintenance of all improvements necessary to provide sanitary sewer the facility including but not limited to pipe, manholes, pumping stations, pipe size upgrades, treatment plant upgrades, etc shall be born by the facility The design and construction of all improvements shall be approved by the city.
- (c) The facility shall pay an impact fee equal to \$5.88 per the fully developed average gallons per day usage prior to connecting to the sanitary sewer system. The average gallons per day usage shall be determined by a registered professional engineer and approved by the city. The impact cost fee shall increase by 2.85 percent on October 1, 2009 and then increase by 2.85 percent each October 1 thereafter. The facility shall pay the monthly usage fee specified in the appropriate section of the chapter.
- (d) The facility shall be subject to all appropriate sections of the ordinance.
- (e) Any additions to the facility that will result in an increase in the flow to the sanitary sewer system will be subject to the above listed requirements and all other appropriate sections of the chapter.

(Ord. No. 2007-55, § 1, 2-13-07; Ord. No. 2009-311, § 7, 9-22-09)

Secs. 102-339—102-365. Reserved.

DIVISION 5. - FATS, OILS, AND GREASE CONTROL

Subdivision I. - General

c. 102-366. - Purpose.

This division sets forth requirements to aid in the prevention of sanitary sewer blockages, obstructions, and overflows due to the contribution and accumulation of fats, oils, and grease (FOG) into the city sewer system from commercial, industrial, religious, and institutional food service establishments. The objective is to eliminate FOG related sanitary sewer overflows and sewer line blockages to protect the area streams, prevent residential and commercial property damage, decrease sewer maintenance costs, and to improve environmental quality.

(Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-367. - Authority.

It shall be unlawful for any food service establishment to operate without approved grease control equipment as required in this division.

(Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-368. - Definitions.

The following words, terms and phrases, when used in this division, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Act or the Act: the Federal Water Pollution Control Act, also known as the Clean Water Act.

Authorized representative of the food service establishment: A person who may be:

- (1) The owner, or
- (2) General manager, or
- (3) Manager, or
- (4) Duly authorized representative of the individual designated in this definition if such representative is responsible for the overall operation of the facilities from which the indirect discharge originates.

Baffle: A plate, wall, or panel to deflect, check, or regulate the passage of grease-laden wastewater through the grease trap or gravity grease interceptor. A hanging baffle is one that does not extend to the floor of the interceptor. It generally extends only to the top half of the water level. A slotted baffle is one that extends to the floor of the interceptor and has one or more slots generally located at the middle of the water level to convey liquid from the inlet side to the outlet side of the interceptor.

Black water or domestic sanitary sewage: Wastewater containing human waste from sanitary fixtures such as toilets and urinals.

Brown grease: Fats, oils, and grease that is discharged to the grease control equipment. Brown grease can be discharged from kitchen fixtures and appliances (i.e., three compartment sinks, pre-rinse sinks, automatic dishwashing machines, mop sinks, floor drains, water cooled wok stoves, soup kettles, etc.) or other locations where the grease has been contaminated in some fashion.

Certified: Having met the city's requirements. In respect to the grease waste hauler/plumber certification, meaning passed the city's certified grease waste hauler/plumber test and having been issued a City of Dothan Grease Waste Hauler/Plumber certification card.

City: Shall mean the City of Dothan, Alabama.

Commissary: Usually a commercial kitchen that mobile food vendors report to daily for all food and supplies, cleaning, servicing operations, and waste disposal.

Director: Shall mean the Director of the Dothan Planning and Development Department or their designee.

Flow control device: An integral part of a hydro-mechanical grease interceptor (HGI) installed on the inlet side that controls the wastewater flow through the grease trap and entrains air bubbles in the wastewater stream via the vent to facilitate grease removal. See [section 102-373\(b\)](#) and [section 102-378\(a\)](#).

FOG (fats, oils, and grease): Organic non-polar compounds derived from animal and/or vegetable or plant sources. For the purposes of this division, the terms "grease" and greases may be used in lieu of FOG.

FOG program coordinator: Person employed or designated by the Dothan Planning and Development Department who is charged with the responsibility of administering the provisions of the grease management program to ensure compliance by users with applicable laws, rules, regulations, policies, and ordinances.

Food service establishment (FSE): Any establishment, business, or facility engaged in preparing, serving, or making food available for consumption. Single family residences are not a FSE, however, multi-residential facilities may be considered a FSE at the discretion of the director or building official. Food service establishments will be classified by the city's FOG program as follows:

- (1) *Class 1: Delis*—engaged in the sale of salads, cold cut and microwaved/convection oven warmed sandwiches/subs with no frying or grilling on site, use of precooked meats, utilization of disposable serving ware with very limited culinary washing, meat markets with meat preparation such as slicing and

grinding as defined by NAICS 445210, coffee shops (small) as defined by NAICS 7222135, ice cream shops as defined by NAICS 7222131, frozen yogurt shops as defined by NAICS 7222132, retail bakeries (small) with no on-premises frying or preparation of other non-bakery foods as defined by NAICS 311811, doughnut shops with baking only as defined by NAICS 72221331, beverage bars with limited on-premises food preparation that can be classed as a deli as defined by NAICS 722515, day care facilities (minimum classification-depending on menus, food preparation, culinary cleaning, and number of meals served) as defined by NAICS 624410, religious organizations (minimum classification-depending on menus, food preparation, culinary cleaning, number of meals served, and frequency meals are served) as defined by NAICS 813110, and mobile food vendors as defined by NAICS 722330.

- (2) *Class 2:* Limited service restaurants (a.k.a. fast food facilities, drive-in, carry-out) as defined by NAICS 722513, day care facilities (maximum classification-depending on menus, food preparation, culinary cleaning, and number of meals served) as defined by NAICS 624410, religious organizations (maximum classification-depending on menus, food preparation, culinary cleaning, number of meals served, and frequency meals are served) as defined by NAICS 813110, full service restaurants (minimum classification-seating capacity less than 65) as defined by NAICS 722511, buffet and cafeteria facilities (minimum classification-seating capacity less than 65) as defined by 722514, doughnut shops with on-premises frying as defined by NAICS 7222133, coffee shops (large) as defined by NAICS 7222135, caterers as defined by NAICS 722320, convenience stores without fuel pumps as defined by NAICS 445120, convenience stores with fuel pumps as defined by 447110, and supermarkets/grocery stores as defined by NAICS 445110.
- (3) *Class 3:* Full service restaurants (maximum classification-seating capacity greater than 65) as defined by NAICS 722511.
- (4) *Class 4:* Buffet and cafeteria facilities (maximum classification-seating capacity greater than 65) as defined by NAICS 722514.
- (5) *Class 5:* Institutions (schools, hospitals, nursing homes, prisons, etc.) which include NAICS classifications 611110, 611310, 623110, 623311, 623312, 722310, and 922140, but not to exclude self-run operations.

General FOG permit: A fats, oils, and grease permit in which all food service establishments are grouped and is valid for a period of five years.

Gravity grease interceptor (GGI): See "grease interceptor." These terms are synonymous.

Gray water: Refers to all other wastewater other than black water as defined in this section.

Grease control equipment (GCE): A device that is designed and constructed for separating and retaining food service establishments' wastewater fats, oils, and grease (FOG) prior to entering the city's sewer system. Devices include grease interceptors (gravity grease interceptors), grease traps (hydro-mechanical grease interceptors), or other FOG remediation devices approved by the city.

Grease interceptor (Gravity grease interceptor or GGI): Grease control equipment identified as a large, in-ground tank, usually 1,000-gallon or larger capacity, which provides FOG control for a FSE. Grease interceptors will be located outside the FSE, and be approved by the city.

Grease recycle container (bin): Container used for the storage of yellow grease (see yellow grease).

Grease trap (hydro-mechanical grease interceptor) or HGI: Grease control equipment identified as an "under the sink" trap, or a "floor trap" which is a small container or tank with baffles designed for inside installation at kitchen fixtures and appliances, although they are sometimes installed adjacent to the kitchen and outside the building either above or below the ground. For a FSE approved to install a grease trap, the minimum size requirement is the equivalent of a 20-gallon per minute/40-pound capacity trap. All grease traps shall be correctly sized, have a properly sized/installed flow control device, and be approved by the city. See section 102-373(b) for variance of existing grease traps.

Grease waste hauler (GWH)/plumber: A company that pumps, cleans, and maintains grease control equipment, to include grease control equipment certification. All grease waste haulers and plumbers performing these duties within the city shall be GCE certified by the city's FOG program.

Grease waste line (GWL): The wastewater plumbing that conveys grease-laden wastewater from fixtures and appliances to the gravity grease interceptor (GGI) or other GCE. This GWL shall be separate from any plumbing conveying sanitary wastewater.

Health department: The Houston County Health Department (HCHD), Environmental Health Division, part of the Alabama Department of Public Health, is responsible for the food permitting and sanitation inspection of food service establishments discharging into the City of Dothan's wastewater collection system.

Hydro-mechanical grease interceptor: See "grease trap." These terms are synonymous.

NAICS: North American Industry Classification System, using 2012 (or latest) classifications. The website is found at <http://www.census.gov/epcd/www/naics.html>.

Noncompliance notice (NCN): A notice generally issued by the City of Dothan's FOG Program Coordinator or FOG program inspector, informing the noncompliant user that it is in noncompliance with the FOG ordinance. The NCN is issued for any identified problems with grease control equipment operation, maintenance, or components. The specific noncompliance will be noted.

Notice of violation (NOV): A notice generally issued by the City of Dothan's Building Official to a FSE, informing the noncompliant user of violations of the city's sewer use ordinance and FOG ordinance. The specific violation will be noted.

Publicly owned treatment works (POTW): A treatment works, as defined by section 212 of the Act (33 U.S.C. Section 1292), which is owned by the city. This definition includes any devices or systems used in the collection, storage, treatment, recycling, and reclamation of sewage or industrial wastes of a liquid nature and any conveyances, which convey wastewater to a treatment plant.

Sanitary wastewater line: Wastewater plumbing conveying wastewater from the urinals and toilets.

Series (grease interceptors installed in series): Grease interceptor tanks are installed one after another in a row and are connected by plumbing pipe to increase the effective volume of the grease control equipment.

Tee or T (influent and effluent): A T-shaped pipe fitting extending from the ground surface below grade into the grease interceptor to a depth allowing recovery (discharge) of the water layer located under the layer of FOG.

User: Any person, corporation, or company who contributes, causes or permits the contribution of wastewater into the city's POTW.

Yellow grease: Fats, oils, and grease that has not been in contact or contaminated from other sources (water, wastewater, solid waste, etc.) and can be recycled. Most "yellow grease" is used deep fat fryer grease. Yellow grease is normally stored in a grease recycle container or bin for beneficial reuse.

Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-369 - General requirements.

- (a) All existing and proposed food service establishments (FSEs) are required to have grease control equipment (GCE) installed, maintained and operating properly, in accordance with this FOG ordinance.
 - (1) Existing food service establishments in operation prior to adoption of this FOG ordinance are required to have GCE properly installed, maintained and operating in accordance with this FOG ordinance in no later than 365 days. After review by staff, a one-time extension not to exceed six months may be granted by the city manager on a case by case basis.
 - (2) All new FSE construction required by the city to have grease trap (hydro-mechanical grease interceptor) FOG remediation shall comply with section 102-374 and section 102-378(a) through (i) immediately upon the effective date of this division.
 - (3) All new FSE construction required by the city to have gravity grease interceptor FOG remediation shall comply with section 102-374 and section 102-376 immediately upon adoption of this FOG ordinance.
 - (4) After adoption of this FOG ordinance, any change of ownership of an existing FSE or FSE applying for a new business license having an existing gravity grease interceptor and/or required by the city to have a gravity grease interceptor and not meeting the requirements of section 102-376, must comply immediately with sections 102-372(1) through (7) or at the discretion and approval of the city, rebuild/modify the existing interceptor in accordance with section 102-372(7) or install a gravity grease interceptor in compliance section 102-376.
 - (5) After the effective date of the ordinance, any change of ownership of an existing FSE or FSE applying for a new business license having an existing hydro-mechanical grease interceptor (grease trap) and/or required by the city to have a hydro mechanical grease interceptor, must comply immediately with section 102-378 and section 102-373 as determined by the FOG program.
- (b) All FSEs will be required to maintain records of cleaning and maintenance of GCE. GCE maintenance records will be maintained on-site of the FSE and include, at a minimum, the date of cleaning/maintenance, company or person conducting the cleaning/maintenance, volume (in gallons) of grease wastewater removed and the final disposal location. In addition, grease waste haulers shall comply with Dothan Utilities manifest documentation requirements for all disposal of FOG waste.
- (c) GCE maintenance records shall be available at the FSE premises and available for inspection by the city FOG program personnel or their representative, and/or the health department. The FSE shall maintain GCE maintenance records for a minimum of three years. As-built drawings and GCE manuals should be available for inspection and remain on premises for the life of the GCE at the FSE.
- (d) No FSE will discharge oil and grease in concentrations that exceed the city's numerical surcharge level (150 mg/L) for oil and grease.
- (e) Owners of commercial property will be held responsible for installation of city approved grease control equipment and shall ensure that lease agreements identify the responsible party for proper maintenance to control wastewater discharges from their property. A copy of the responsible party information shall be

provided to the FOG program coordinator.

- (f) Grease control equipment certification requirement: All food service establishments with grease control equipment must have their gravity grease interceptor or grease trap inspected and certified at least annually by a city "certified" grease waste hauler or city "certified" licensed plumber. Annually is defined as a period from January 1 through December 31. Grease control equipment certification requirements shall commence the following calendar year the FOG control general permit is issued. Any FSE that does not provide an annual grease control certification by December 31 of each year following the general FOG permit issuance will be considered to be in noncompliance. If a gravity grease interceptor or grease trap "passes" the certification requirement, no further action is required. If a grease interceptor or grease trap "fails" the certification requirement, a corrective action response is required from the FSE user/owner or authorized representative to the city (refer to section 102-369(g)). Completed certification forms (gravity grease interceptor certification form A or grease trap certification form B) must be completed and signed by the city "certified" grease waste hauler or city "certified" licensed plumber, signed by the FSE owner or authorized representative, and submitted to the city. The original certification form must be submitted to the city at the following address:

City of Dothan
Attn: FOG Program
P.O. Box 2128
Dothan, AL 36302

- (g) Failure of a gravity grease interceptor certification or grease trap certification: The FSE owner or authorized representative is responsible for including detailed "corrective action response" information on the gravity grease interceptor certification form or the grease trap certification form that is submitted to the city. If necessary, additional pages may be attached to the certification form. At a minimum, the corrective action response information must include the reason for the failed certification, what corrective action will be taken, and the date the corrective action will be completed. The FSE user/owner or authorized representative shall notify the FOG program by phone or email within one business day (Monday—Friday) of failing the certification. Any additional enforcement action will utilize the City of Dothan Food Service Establishment Enforcement Response Guide.
- (h) FSEs shall dispose of yellow grease in an approved container, or recycle container/bin, and the contents shall not be discharged into any grease control equipment, sanitary sewer line, grease waste line, storm water grate, drain, plumbing fixture, or into the environment whereas to be conveyed to a stream, creek, or river. Yellow grease and oils disposed of in any manner other than an approved container or recycle container/bin is a violation of this FOG ordinance.
- (i) It shall be a violation of this FOG ordinance to leave the lid open on any outdoor grease recycle bin/container.
- (j) It shall be a violation of this FOG ordinance to allow spilled yellow grease to remain around the recycle container/bin. Refer to section 102-379(5) for cleanup.
- (k) It shall be a violation of this FOG ordinance to push or flush the non-water portion of GCE into the public sewer.
- (l) Mobile food vendor commissaries discharging to the City of Dothan's POTW shall be located at commercial buildings.
- (m) Mobile food vendors discharging any grease-laden water into the city's sanitary sewer shall discharge only at

locations and into GCE approved by the City of Dothan's FOG Program.

- (n) All mobile food vendor commissaries discharging to the city's sanitary sewer shall be approved and subject to inspection by the City of Dothan's FOG Program.
- (o) Mop basins located outside the building and drained to the sanitary sewer shall be covered with a canopy or roof whereas to prevent storm water from being introduced into the sewer.
- (p) Dumpster pads having plumbing draining to the City of Dothan's sanitary sewer shall be covered with a canopy or roof to prevent storm water from being introduced into the sanitary sewer. Provisions are to be made to prevent and/or redirect storm water drainage from areas other than the dumpster pad from entering the dumpster pad drain.
- (q) Dumpster pad areas belonging to buildings existing prior to the adoption of this division with dumpster pads drained to the City of Dothan's sanitary sewer shall be exempt from the aforementioned canopy or roof requirement of section 102-369(p). However, permanent measures acceptable to the city shall be implemented to prevent and/or redirect storm water from areas other than the minimum area required for the dumpster pads from entering the sanitary sewer system.
- (r) All dumpster pad runoff drains are prohibited from connection to storm water conveyances.
- (s) Outdoor grated cleanouts are prohibited from use. Cleanouts shall be solid to prevent storm water from being introduced into the sanitary sewer.
- (t) The FSE user/owner or authorized representative shall notify the FOG program by phone or email within one business day (Monday—Friday) of any noted deficiencies encountered while performing GCE pumping, cleaning, or maintenance, including annual GCE certification.

Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-370. - Fees and permits.

- (a) The city shall charge inspection, monitoring, assessment, impact, surcharge, commercial food facility, and/or permit fees to the food service establishments to get reimbursement for the FOG program and/or POTW impact costs
- (b) A monthly FOG program surcharge fee will be added to each FSEs sewer service bill. The FOG program surcharge fee will be based on the FSE classification. The FSE classification FOG program surcharge fees will be as follows:
 - (1) Class 1: \$10.00 per month
 - (2) Class 2: \$20.00 per month
 - (3) Class 3: \$30.00 per month
 - (4) Class 4 and 5: \$40.00 per month
- (c) The FOG program surcharge fees shall increase by 2.85 percent starting October 1 of the year following approval of this FOG ordinance and then increase by 2.85 percent each October 1 thereafter, or as modified based on CPI, whichever is greater. The current monthly FOG program surcharge fees are available for review at the planning and development office.
- (d) An additional compliance inspection fee of at least \$200.00 will be charged to each food service establishment for each re-inspection due to noncompliance issues.
- (e) The city will issue general FOG permits for food service establishments. All new FSEs shall complete and

submit the city's fats, oils, and grease inquiry form which will serve as the FSEs general FOG permit application. The city's FOG inspection form will serve as the general FOG permit application for existing FSEs. General FOG permits shall be issued for a period or duration of five years. Additional fees may be implemented by the city for food service establishment wastewater treatment and impacts to the POTW.

(Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-371. - Approved grease waste haulers/plumbers.

To ensure proper maintenance of grease control equipment (GCE) and proper disposal of the FOG waste, the city will maintain an "approved grease waste haulers/plumbers list." Within six months of the effective date of this division, food service establishments (FSEs) shall only utilize City of Dothan certified grease waste haulers and plumbers to perform any GCE pumping, cleaning, maintenance, and GCE certification. Criteria for the grease waste hauler or plumbing company to be placed on the "approved grease waste haulers/plumbers list" include, but are not limited to the following:

- (1) The grease waste hauler or plumber employees that will be performing any GCE pumping, cleaning, or maintenance within the city, including completing the food service establishment grease control equipment certification forms must attend a City of Dothan Grease Control Equipment Certification Class and pass the GCE certification class test. Upon passing the grease control equipment certification class, the grease waste hauler or plumber employee will be issued a certification card in their name. Grease waste hauler or plumber employees performing the aforementioned GCE work shall be in possession of a valid city grease waste hauler/plumber certification card issued in their name. Grease waste hauler employees shall present this card and other proof of identification to city personnel upon request. Additional information, including the scheduling of a class may be obtained at the City of Dothan FOG Program Coordinator's office.
- (2) The grease waste hauler or plumber performing any plumbing work associated with the GCE must have a valid plumber's license issued by the State of Alabama.
- (3) Grease waste hauler companies and plumber companies must maintain all required city business licenses.
- (4) Grease waste haulers and plumbers that pump gravity grease interceptors or grease traps must comply with the requirements of the city's FOG ordinance.
- (5) The city maintains the right to modify the grease waste hauler/plumber agreement.
- (6) Signature of the grease waste hauler/plumber company's authorized representative and submittal to the city of a completed "City of Dothan Approved Grease Waste Hauler/Plumber Agreement" form are required. "Approved grease waste hauler/plumber agreement" form will include reporting requirements to the city and making records available to city personnel. A monthly GWH/plumber summary report for all FSE or commercial grease trap/GGI waste shall be submitted to the city in accordance with this policy. Failure to meet any portion of the grease waste hauler agreement will result in removal of the grease waste hauler/plumber company from the "City of Dothan Approved Grease Waste Haulers/Plumbers List" and/or enforcement action.

(Ord. No. 2015-366, § 1, 12-15-15)

Subdivision II. - Existing Grease Control Equipment

Sec. 102-372. - Existing gravity grease interceptor design/installation and requirements.

Any existing FSE, upgrading of an existing FSE change of ownership of existing FSE or FSE applying for a business license, having an existing gravity grease interceptor (GGI), will be required to have the interceptor completely pumped and inspected by the City of Dothan's FOG Program personnel for suitability to perform its intended duties, for acceptable inlet and outlet plumbing components, for proper access openings over all chambers, and for acceptable baffle configuration/plumbing. The aforementioned pump out inspection will be waived if the existing GGI passed an inspection in compliance with section 102-382(a) within a previous 12-month time period. As part of the inspection, the City of Dothan's FOG Program personnel may conduct a video inspection of the inside of the interceptor. Existing gravity grease interceptors installed prior to the adoption of this FOG ordinance and not in compliance with section 102-376 but able to meet the requirements of section 102-372(1) through (6), at the discretion and approval of the city may be modified in accordance with section 102-372(7). Food service establishments required by the City of Dothan to have gravity grease interceptor FOG remediation, but having none or an interceptor deemed insufficient by the city and not allowed to be rebuilt/modified in place, shall meet the requirements of section 102-376. Under certain circumstances, the required interceptor size and location may necessitate special exceptions. Allowances for alternative GCE may be approved, provided prior approval of unit type, size, location, etc. is obtained from the City of Dothan's FOG Program Coordinator. Any gravity grease interceptor(s) installed after the adoption of the FOG ordinance shall comply with design and installation requirements of section 102-376.

Criteria for consideration by the city as an acceptable gravity grease interceptor existing or installed prior to adoption of this FOG ordinance and not meeting the requirements of section 102-376 of the FOG ordinance is as follows:

- (1) Capacity and condition. Existing gravity grease interceptors installed prior to the adoption of this FOG ordinance shall have a minimum of 1,000 gallons capacity and shall be found to be in proper working order as determined by the City of Dothan's FOG Program Coordinator or their designee. Any existing gravity grease interceptor in this category not meeting these conditions shall require the installation of a gravity grease interceptor meeting the requirements of section 102-376.
- (2) Piping.
 - a. The inlet piping shall enter the receiving chamber a minimum of 2½ inches above the invert of the outlet piping.
 - b. On the inlet pipe inside the receiving chamber, a sanitary tee of the same size pipe in the vertical position with the top unplugged shall be provided as a turndown. A pipe (nipple) of the same size as the tee shall be installed in the top of the tee with the top of the nipple open. A pipe installed in the bottom of the tee shall extend to a point of two-thirds the depth of the water level. The inlet tee shall be made of Schedule 40 PVC or equivalent material.
 - c. The outlet piping shall be no smaller than the inlet piping, but in no case smaller than four inches diameter.
 - d. The outlet piping shall contain a tee installed vertically with a pipe (nipple) installed in the top of the tee, with the top of the nipple open. A pipe installed in the bottom of the tee shall be made of a non-collapsible material and extend to 12 inches above the tank floor. Minimum materials requirement for the outlet piping is Schedule 40 PVC.

(3) Baffles.

- a. The interceptor shall have a non-flexing (i.e. concrete, steel, etc.) baffle extending from the floor to a level above of the outlet piping. An existing gravity grease interceptor having no baffle(s) present or hanging baffle(s) that are open or baffle(s) not attached at the bottom will not be acceptable.
- b. If inverted 90-degree sweeps or tees are used to convey liquid from the inlet to outlet side of the interceptor, the baffle shall have an inverted 90-degree sweep(s), or schedule 40 PVC tee(s), fitting at least equal in diameter size to the inlet piping, but in no case less than four inches. The bottom of the sweep(s) or tee(s) shall be placed in the vertical position of the inlet compartment 12 inches above the floor. If a tee is used in lieu of a sweep, a pipe nipple of the same size as the tee shall be installed in the top of the tee and extend to the same height reached by the top nipple installed on the inlet and outlet tee. The nipple shall remain open. A pipe installed in the bottom of the tee shall extend to 12 inches above the tank floor.
- c. In lieu of a sweep or tee through the baffle, slotted designs will be acceptable for existing gravity grease interceptors to convey liquid from the inlet to outlet side of the interceptor.
- d. The inlet compartment shall be two-thirds of the total liquid capacity with the outlet compartment at one-third liquid capacity of the interceptor.

(4) Access openings (manholes).

- a. Access to gravity grease interceptors shall be provided by a minimum of one manhole per interceptor division (baffle chamber/compartment) and be of 24-inch minimum dimension terminating one inch above finished grade with cast iron frame and cover. One manhole shall be located above the inlet tee hatch and the other manhole shall be located above the outlet tee hatch. A minimum of 24 inches of clear opening above each manhole access shall be maintained to facilitate maintenance, cleaning, pumping, and inspections.
- b. Access openings shall be mechanically sealed and gas tight to contain odors and bacteria, to exclude vermin and ground water, and in a manner that permits regular reuses.
- c. The manholes shall be accessible for inspection by the city.

(5) Location. Gravity grease interceptors shall be located so as to be readily accessible for cleaning, maintenance, and inspections. They should be located close to the fixture(s) discharging to the interceptor. Grease interceptor access manholes shall never be paved over, covered by landscaping, or have any other hindrances not allowing access.

(6) Construction material. Grease interceptors shall be constructed of sound durable materials, not subject to excessive corrosion/decay, and shall be water and gas tight.

(7) Rebuilding/modifying in place.

- a. An existing gravity grease interceptor having a minimum of 1,000 gallons capacity and found by the City of Dothan's FOG Program personnel to be functional, but having unacceptable access openings, baffle configuration, or plumbing, may be modified in place to an acceptable configuration as outlined in section 102-372(2) through (4) by rebuilding/modifying it in-place as set forth in section 102-372(7). The FOG program coordinator reserves the right to require additional gravity grease interceptor capacity and/or the installation of a gravity grease interceptor(s) meeting the requirements of section 102-376.
- b. If the gravity grease interceptor's baffle is not acceptable (no baffle or hanging baffle), the baffle may

be modified in-place to an acceptable configuration, generally as given in section 102-372(3) or an interceptor meeting the requirements of section 102-376 shall be installed. The baffle shall extend above level of the outlet pipe.

c. If the interceptor does not have compliant access openings over each compartment, these shall be added in compliance with section 102-372(4).

(8) All new FSEs in existing buildings applying for a business license and having an existing gravity grease interceptor shall meet the requirements of section 102-372 or section 102-376 as required by the city prior to securing the signature of the FOG program coordinator for issuance of a business license.

(Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-373. - Existing grease trap (hydro-mechanical grease interceptor) requirements.

(a) Any existing FSE, upgrading of an existing FSE, change of ownership of existing FSE, or FSE applying for a business license, that is required by the city to have FOG remediation by grease traps, and having an existing grease trap, shall be required to have the grease trap completely cleaned followed by inspection from the City of Dothan's FOG Program personnel.

(b) The inspection shall be a determination for proper size, for acceptable functional installation including a properly sized/installed flow control device, and for proper access to the grease trap. Existing grease traps installed prior to the adoption of this FOG ordinance must meet the requirements of section 102-378(a) through (i) or receive a variance from the city.

(c) With the consent of the director, an FSE with an existing grease trap installed prior to the adoption of this division may receive a waiver from the design requirements in section 102-378(a) through (i) only if the grease trap is approved as an alternative grease control equipment. The alternative grease control equipment must control FOG discharges from a FSE and be maintained as outlined in this FOG ordinance. Any alternative grease control equipment must be approved by the city's FOG program.

(d) If a required current grease trap is not adequate or approved, a grease trap meeting the requirements of section 102-378(a) through (i) shall be installed. The city reserves the right to require FOG remediation or additional remediation of FOG laden fixtures or appliances in accordance with this FOG ordinance.

(e) All new FSEs in existing buildings required by the city to have FOG remediation by a grease trap and having an existing grease trap shall meet the requirements of section 102-373 as required by the city prior to securing the signature of the FOG program coordinator on a business license application.

(Ord. No. 2015-366, § 1, 12-15-15)

Subdivision III. - New Grease Control Equipment

Sec. 102-374. - Grease control equipment requirements for any new FSE construction.

(a) Any new FSE will be required to install and maintain GCE approved by the city. FSEs in this category must submit a "food service establishment fats, oils, and grease inquiry form" to the city for approval and this form will serve as the application for the general FOG permit.

(b) The city will review the "food service establishment fats, oils, and grease inquiry form" and approve or

recommend changes as necessary. In addition, any new FSE shall obtain a business license application and satisfy the requirements of this division prior to securing the signature of the FOG program coordinator on the business license application.

- (c) Prior to installation of any required GCE, all proposed GCE shall meet the city FOG program coordinator's or building official's approval as stated in this FOG ordinance. Only specifically FOG program approved GCE and fixtures can be installed or connected to the grease waste line.
- (d) All of the FSEs internal plumbing shall be constructed to separate sanitary (restroom) flow from kitchen process flow. Sanitary flow and kitchen process discharges shall be approved separately by the city and shall discharge from the building separately. Kitchen process lines and sanitary lines may combine prior to entering the public sewer; however, the lines cannot be combined until after the GCE. No sanitary wastewater (black water) or storm water shall be plumbed to the GCE.
- (e) Gravity grease interceptors or grease traps will be installed and connected whereas to be easily accessible for inspection, cleaning, and removal of grease at any time.
- (f) Any newly constructed FSE applying for a business license must satisfy the requirements of section 102-374, as verified by inspection from the city's FOG program personnel, prior to securing the signature of the FOG program coordinator for issuance of a business license.
- (g) All new FSE construction shall meet the applicable requirements of section 102-376 or section 102-378(a) through (i) for GCE as required by the city. All GCE must be approved by the city's FOG program coordinator or building official. All new gravity grease interceptors must be purchased only from City of Dothan approved manufacturers and constructed in accordance with design specifications as set forth in section 102-376 of this FOG ordinance.
- (h) New multi-unit (strip mall) facilities: New strip malls or strip centers must have two separate sewer line connections at each unit within the strip mall or strip center. One sewer line will be for sanitary wastewater and one grease waste line will be for the kitchen area, or potential kitchen area, of each unit. The kitchen area, or potential kitchen area, grease waste line will be connected to floor drains in the specified kitchen area, and will connect, or be able to connect, to other food service establishment kitchen fixtures and appliances, such as but not limited to: three-compartment sink, two-compartment sink, pre-rinse sink, mop sink, dishwasher, and hand wash sink.
 - (1) New multi-unit facility, or new "strip mall" facility, owners shall contact the FOG program prior to conducting private plumbing work at the multi-unit facility site. Multi-unit facility owners, or their designated contractor, shall have plans for separate private grease wastewater lines for kitchen and sanitary wastewater for each "individual" unit. In addition, the plans shall identify "stub-out" locations to accommodate a minimum 1,000-gallon gravity grease interceptor for each unit of the multi-unit facility, or provide a larger capacity grease interceptor that could be shared by multiple FSEs in the strip mall. Proposals for multiple FSEs connected to one gravity grease interceptor or series of gravity grease interceptors must be approved by the FOG program prior to construction. A copy of the maintenance agreement shall be filed with the FOG coordinator for any GCE that isn't owned and operated by the same entity. New multi-unit facility, or new "strip mall" facility owners shall consider suitable physical property space and sewer gradient that will be conducive to the installation of an exterior, in-ground gravity grease interceptor when determining the building location.
 - (2) FSEs located in a new multi-unit facility shall have a minimum of a 1,000-gallon gravity grease interceptor installed, unless that FSE is identified as a Class 1 facility. Sanitary wastewater, or black water, shall not be

connected to GCE

(3) Upon installation, the sanitary wastewater line and grease wastewater line "stub-outs" for each separate unit shall be identified (marked). The sanitary waste water line 'stub-out' shall be painted green and the grease wastewater line "stub-out" shall be stenciled with the letters "GWL."

- (i) Alternative grease control equipment: On a case by case basis, at the discretion of the director, alternative grease control equipment may be considered and approved for installation at a FSE. The alternative grease control equipment must control FOG discharges from a FSE and be maintained as outlined in this FOG ordinance. Alternative grease control equipment will not be considered for new building construction.
- (j) Final approval of grease control equipment: All new FSEs and FSEs that have upgraded their facilities must contact the city for final approval of the grease control equipment. This will include onsite inspection of the grease control equipment by the City of Dothan's FOG Program, or the city's authorized representative. No work shall be hidden or covered prior to approval by the FOG program. Failure of the FSE to contact the FOG program to conduct the inspection of the new GCE will result in enforcement action.

(Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-375. - Grease control equipment sizing.

- (a) Minimum acceptable size of grease control equipment for each FSE classification (see food service establishment section 102-368 for class details) will be as follows:
 - (1) Class 1: 20-gpm/40 pound grease trap (hydro-mechanical grease interceptor or HGI)
 - (2) Class 2: 1,000-gallon gravity grease interceptor (GGI)
 - (3) Class 3: 1,500-gallon gravity grease interceptor (GGI)
 - (4) Class 4: 2,000-gallon gravity grease interceptor (GGI)
 - (5) Class 5: 2,000-gallon gravity grease interceptor (GGI)
- (b) To calculate the appropriate size GCE, the FSEs engineer, architect, licensed plumber, or contractor should use a formula that considers all kitchen plumbing fixture units, the discharge plumbing pipe diameter for each fixture unit, storage capacity, type of facility, and an adequate retention time. The grease control equipment minimum acceptable size for the above listed FSE classifications (Class 1 through 5) shall be met.
- (c) The city will review information received from the completed "food service establishment fats, oils, and grease inquiry form." The city will make a decision to approve, or require additional grease interceptor volume, based on the type of FSE, the number of fixture units, additional calculations and considerations. Each gravity grease interceptor tank capacity shall not exceed 2,000 gallons. In the event that the gravity grease interceptor calculated capacity needs to exceed 2,000 gallons, the FSE shall install any additional interceptor(s) of the appropriate size in series.
- (d) Gravity grease interceptors that are installed in series shall be installed in such a manner to ensure positive flow between the tanks at all times. Therefore, tanks shall be installed so that the inlet invert of each successive tank shall be a minimum of two inches below the outlet invert of the preceding tank or a one percent downstream slope, whichever is greater.
- (e) Grease control equipment must remove fats, oils, and grease at or below the City of Dothan surcharge concentration level of 150 mg/L established in chapter 102, article IV, section 102-233. Failure to comply will require enforcement action.

(Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-376. - New gravity grease interceptor design and installation.

Design and installation specifications are available from the FOG program coordinator's office. Contact building permits and inspections at 615-4450.

(Ord. No. 2015-366, § 1, 12-15-15)

Subdivision IV - Maintenance, Management, Abandonment and Inspections

Sec. 102-377. - Gravity grease interceptor cleaning and maintenance requirements.

- (a) Partial pump of interceptor contents or on-site pump and treatment of interceptor contents will not be allowed due to reintroduction of fats, oils, and grease to the interceptor. In no way shall the pumped material be returned to any private or public portion of the sanitary sewer collection system. All grease waste haulers and procedures for pumping grease interceptors shall comply with the City of Dothan, part II, Code of Ordinances, chapter 102—utilities, article IV—sewer, section 102-300—commercial wastewater disposal service.
- (b) Gravity grease interceptors must be pumped in full (total pump of all contents) when the total accumulations of surface FOG (including floating solids) and settled solids reaches 25 percent of the grease interceptor's inlet liquid depth. This criterion is referred to as the "25 percent rule." At no time shall the cleaning frequency exceed 90 days unless approved in writing by the city. Failure to meet these requirements shall result in enforcement action. Approval will be granted on a case by case situation with submittal by the FSE documenting proof that a reduced cleaning frequency will meet the requirements of this FOG ordinance. Some FSEs may need to consider a more frequent pumping schedule to meet this requirement. A city approved manifest of gravity grease interceptor cleaning/maintenance, and an FSE gravity grease interceptor self-monitoring checklist shall be maintained onsite at the FSE and provided to the city upon request. These documents need to be provided to the city for review before consideration for approval can be granted for a cleaning frequency to exceed 90 days.
- (c) The gravity grease interceptor's influent tee and effluent tee will be inspected during cleaning and maintenance and the condition noted by the grease waste hauler's company or individual conducting the maintenance. Influent and effluent tees that are loose, defective, or not attached must be repaired or replaced immediately. Grease waste haulers or individuals conducting any maintenance or pumping will use caution to not damage or dislodge tees, or cause other grease interceptor component damage. Any repairs to the grease interceptor shall be documented and kept on file at the FSE.
- (d) All gravity grease interceptors must have access manholes over the influent tee and effluent tee for inspection and ease of cleaning/maintenance. Access manholes will be provided for all separate compartments of interceptors for complete cleaning (i.e. interceptor with two main baffles or three compartments will have access manholes at each compartment). The manholes are to be readily accessible for inspection by the city.
- (e) Gravity grease interceptor waste must be hauled offsite and disposed of, processed, or recycled at an approved location in accordance with applicable laws. All disposal of grease interceptor waste must meet the

requirements of City of Dothan, part II, Code of Ordinances, chapter 102—utilities, article IV—sewer, section 102-300—commercial wastewater disposal service. City approved manifests must be used and properly completed.

- (f) Gravity grease interceptors must be "certified" annually by a city certified grease waste hauler or city certified plumber. A gravity grease interceptor certification (form a) must be properly completed and submitted to the city annually.
- (g) The city may mandate the FSE to require the grease waste hauler to contact the city's FOG program by telephone at least 24 hours prior to any cleaning, pumping, maintenance, inspection, or certification of the grease interceptor. The city reserves the right to be present to inspect all maintenance.
- (h) Responsibility. Maintaining the gravity grease interceptor(s), including complete pumping of contents at the required frequency and insuring proper components are installed, is the responsibility of the user/owner. Commercial property owners shall ensure that lease agreements identify the responsible party for proper maintenance to control wastewater discharged from their property.

(Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-378. - Grease trap (hydro-mechanical grease interceptor) sizing, installation, and maintenance.

- (a) All grease traps shall have a City of Dothan approved, properly sized, installed and vented flow control device. Failure to have the flow control device and venting will be considered a violation. The flow control device shall be installed in such a manner whereas to remain visible for future inspections and servicing.
- (b) All new FSEs that are allowed to install grease traps must have city written approval prior to starting operations.
- (c) A grease trap's minimum size requirement is 20 gpm/40 pound capacity.
- (d) At the discretion of the FOG program, alternative grease control equipment may be considered for installation. The alternative grease control equipment must control FOG discharges and be maintained as outlined in this FOG ordinance.
- (e) No automatic dishwasher shall be connected to a grease trap unless it has been specifically sized and approved by the FOG program. Grease traps approved by the city for dishwasher connection must be provided with a City of Dothan approved and properly sized/installed flow control device to the inlet side of the grease trap to prevent overloading of the grease trap and allow for proper grease trap operation.
- (f) No waste food grinder shall be connected to a grease trap.
- (g) No automatic drip or feed systems for additives are allowed to be connected to a grease trap.
- (h) A single grease trap device shall be installed for each significant kitchen fixture unit (i.e. each 3 compartment sink), unless the FOG program coordinator provides written approval for multiple fixtures to be connected to the grease trap. The city must approve the number of grease traps and connections to the grease trap.
- (i) Grease traps must have the plumbing drainage institute (PDI) certification, and be installed as per manufacturer's specifications and this FOG ordinance.
- (j) The flow control device orifice(s) shall not be removed, enlarged, or modified.
- (k) Grease traps will be completely cleaned of fats, oils, and grease and food solids at a minimum of every 30 days. If the FOG and food solids content of the grease trap are greater than 25 percent, the grease trap must be cleaned as frequently as needed to prevent 25 percent of capacity being occupied with FOG and food

solids. A written record of grease trap cleaning and maintenance shall be maintained onsite at the FSE and provided to the city upon request.

- (l) Grease trap waste shall be sealed or placed in a container to prevent leachate from leaking, and then disposed of in the solid waste or hauled offsite by a grease waste hauler or plumber to an approved disposal location. In no way shall the pumped material be returned to any private or public portion of the sanitary sewer collection system or disposed of in the environment. All grease waste haulers, plumbers, and procedures for pumping grease traps shall comply with the City of Dothan, part II, Code of Ordinances, chapter 102—utilities, article IV--sewer, section 102-300—commercial wastewater disposal service.
- (m) Grease trap waste shall not be mixed with yellow grease in the grease recycle container.
- (n) Grease traps must be "certified" annually. See section 102-368.
- (o) The city may mandate the FSE to require the grease waste hauler/plumber or FSE owner to contact the city's FOG program by phone at least 24 hours prior to any cleaning, pumping, maintenance, inspection, or certification of the grease trap. The city has the right to be present to inspect all maintenance.

(Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-379. - Best management practices and accidental discharge prevention.

Food service establishments shall implement best management practices (BMPs) to prevent the discharge of fats, oils, and grease from their facility to the city sanitary sewer system. Food service establishments shall provide such facilities and institute such procedures as are reasonably necessary to prevent or minimize the potential for accidental discharge of fats, oils, and grease into the sewage collection system. Failure to implement and comply with BMPs and accidental discharge prevention is in violation of this FOG ordinance. Examples of BMPs include, but are not limited to:

- (1) Recycle waste cooking oil; dispose in grease recycle bin or container. Do not pour any grease into sinks, floor drains, or mop sinks, lavatories, or environment.
- (2) Post "no grease" signs above all kitchen sinks and dishwashers. These signs are available at the FOG program office.
- (3) "Dry wipe," scraping into a trash container as much food particles and grease residue from pots, pans, and plates, etc., as possible.
- (4) Use strainers in sink drains and floor drains to prevent large food particles, containers, and other elicit materials from going into the sewer line.
- (5) If an oil or grease spill occurs, clean up using "dry" oil absorbent material or use ice to make grease solidify. Scoop up material and dispose of it into a trash container. Do not wash oil or grease into drains!
- (6) Dispose of food items in the trash. Food waste grinder use is prohibited in wastewater discharging to hydro-mechanical grease interceptors (grease traps) due to build up of solids in the GCE, stoppages, decreased efficiency, and the need to increase pumping frequency of the GCE. Food waste grinder use is discouraged in wastewater discharging to gravity grease interceptors.
- (7) Post "BMPs signs" in the kitchen areas, educate, and train all employees on grease control and preventing sewer pipe clogs and sewer overflows. These signs are available at the FOG program office.

(Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-380. - "Additives" prohibitions for use.

- (a) Additives include but are not limited to products that contain solvents, emulsifiers, surfactants, caustics, acids, enzymes, chemicals, hot water, and bacteria.
- (b) This FOG ordinance prohibits the use of additives (including automatic drip or feed systems) to cause FOG to pass through the user's plumbing and reform in the city's wastewater collection and conveyance system. The use of additives in an FSE will not be a substitute for regular cleaning, or pumping of GCE as required in this FOG ordinance.

(Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-381. - Private sewer line cleaning of FOG requirement.

Any grease waste hauler, plumber, or contractor that cleans FOG from a food service establishment's private sewer lines must insure that the FOG and other debris cleaned from the private sewer lines does not cause an obstruction or blockage in the city's sanitary sewer system. Therefore, the FOG or other debris cleaned from the private sewer line should be "vactored" or removed. The grease waste hauler, plumber, or contractor shall immediately contact the city if FOG is "pushed" or "jetted" into the city sanitary sewer system to make the city aware of the FOG and debris at the specific location.

(Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-382. - In ground grease interceptor abandonment.

The property owner or authorized representative of a building utilizing an in ground gravity grease interceptor or hydro-mechanical grease interceptor (grease trap) shall notify the City of Dothan's FOG program within 30 days whenever a FSE meets the criteria for temporary or permanent abandonment of said interceptor as set forth in section 102-382(a)(1) or section 102-382(b)(1).

(a) *Temporary abandonment.*

- (1) An in ground grease interceptor is considered to be temporarily abandoned if a FSE temporarily closes for business and the property owner intends to utilize the interceptor for another FSE in the same location
- (2) At the property owner's expense, the interceptor shall be completely pumped and the grease waste properly disposed of by a City of Dothan certified grease waste hauler.
- (3) Once conditions of section 102-382(a)(1) through (2) have been met, the City of Dothan's FOG Program personnel shall be contacted to complete a pumping inspection for the temporary abandonment of an in ground interceptor. The completed grease waste hauler's manifest shall be available onsite for verification during the pumping inspection.
- (4) Any noted noncompliant functional or plumbing components shall be repaired or replaced, followed by re-inspection from the City of Dothan's FOG Program personnel.
- (5) Once the in ground grease interceptor has passed inspection, it shall be filled with water to prevent possible floatation.

(b) *Permanent abandonment.*

- (1) An in ground grease interceptor is considered to be permanently abandoned when the building is remodeled such that the grease interceptor will not be used; or the building is replaced with a type of

business that will not be required to utilize the grease interceptor; or when the property is condemned. An in ground grease interceptor considered to be permanently abandoned, shall be properly [removed] in accordance with section 102-382(b)(2) through (3), or demolished in place in accordance with section 102-382(b)(4).

- (2) The in ground grease interceptor may be removed. Prior to removal, the interceptor shall be completely pumped and the waste properly disposed of by a City of Dothan certified grease waste hauler. Once the interceptor has been completely pumped, the City of Dothan's FOG Program personnel shall be contacted to complete an in ground grease interceptor pumping verification inspection. The grease waste hauler's manifest shall be available onsite for verification during the in ground interceptor pumping verification inspection. Service components remaining in place are not exempt from meeting the plumbing codes.
- (3) After the interceptor has passed the pumping verification inspection by the city's FOG program personnel, if no replacement is intended, the interceptor may be removed and the hole left by the removal of the grease interceptor shall be back filled with suitable backfill material. Once back fill requirements have been met, the City of Dothan's FOG Program personnel shall be contacted to complete an in ground grease interceptor abandonment final inspection.
- (4) Alternatively, in lieu of removal, the interceptor can be demolished in place. The interceptor shall be completely pumped and the waste properly disposed of by a City of Dothan certified grease waste hauler. Once the interceptor has been completely pumped, the City of Dothan's FOG Program personnel shall be contacted for an in ground grease interceptor pumping verification inspection. The grease waste hauler's manifest shall be made available onsite during the in ground grease interceptor pumping verification inspection. Demolition of the interceptor shall not commence until the interceptor has passed the pumping verification inspection. The top cover over the interceptor shall then be crushed into the empty tank or removed. The bottom of the tank shall be ruptured. The sides of the interceptor shall then be crushed into the tank. The inlet and outlet plumbing shall be disconnected and the lines capped if not to be used.
 - a. Upon completion of crushing the interceptor in place, the FOG program shall be contacted for an in ground grease interceptor abandonment semifinal inspection.
 - b. After passing the in ground grease interceptor abandonment semifinal inspection, the interceptor shall be back filled with suitable fill material.
 - c. Once backfill requirements of section 102-382(b)(4) have been met, the FOG program shall be contacted for an in ground grease interceptor abandonment final inspection.

(Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-383. - Right of entry, inspections, and monitoring.

The city, or their authorized representative, shall have the right to enter the premises of FSEs or commissaries to determine whether the FSE or commissary is complying with the requirements of this FOG ordinance and the City of Dothan, part II, Code of Ordinances, chapter 102—utilities, article IV—sewer. FSEs or commissaries shall allow city personnel, or their authorized representative, upon presentation of proper credentials, full access to all parts of the premises for the purpose of inspection, monitoring, and/or records examination. Unreasonable delays in allowing city personnel access to the FSE premises shall be a violation of this FOG ordinance.

- (a) All gravity grease interceptors and grease traps shall be subject to review, evaluation, and inspection by the authorized representative. The city can require at the property owner's expense, a video inspection of the interceptors. Inspections will determine proper maintenance, changes in operation, proper records and files, gravity grease interceptors or grease traps to prevent grease from entering the sewer system, and any other factors pertaining to the control of grease discharges to the city sewer system. The city can require notification to the program by phone 24 hours prior to any pumping, cleaning, maintenance, or certification of the GCE so that a visual inspection of the total GCE. The city can require the FSE to schedule pumping of their interceptors (at owner's/FSE's expense) if the city determines that the interceptor may be defective or there is chronic FOG in the downstream sewer from the FSE. City personnel, or their authorized representative, reserve the right to make determinations of gravity grease interceptors or grease traps condition, and adequacy based on review of all information regarding the interceptors' or traps' performance and can require increased cleaning frequency, additional maintenance, modification or replacement of the GCE. All records will be available on site for review by city personnel or their authorized representative, for a period of 36 months. Copies shall be provided upon request from the city.
- (b) The city may require that the FSE install monitoring or additional pretreatment equipment deemed necessary for compliance with this FOG ordinance and the City of Dothan, part II, Code of Ordinances, chapter 102—utilities, article IV—sewer.

(Ord. No. 2015-366, § 1, 12-15-15)

Subdivision V. - Violations and Enforcement

c. 102-384. - Fog treatment, disposal, and resource recovery plan.

The city may implement a FOG treatment, disposal, and resource recovery plan (plan). The plan may be implemented if problems continue with FOG disposal, FOG obstruction in the sewer system, or inconsistent maintenance of FSE grease control equipment provided by grease waste haulers to prevent FOG discharges. The plan may include a request for proposal (RFP) for the treatment and disposal of FOG waste generated from the City of Dothan food service establishments. The RFP may include that the successful RFP respondent provide some form of beneficial reuse of the FOG waste that is treated. Also, the RFP may include a cost estimate for maintenance (complete pump of grease interceptors and grease traps) and certification of the grease control equipment of all City of Dothan food service establishment gravity grease interceptors and grease traps. The results of the RFP may provide a single source for GCE pumping, GCE certification, FOG treatment, FOG disposal, and reporting to the city. The city will implement quality control practices to ensure that the successful RFP respondent meets all RFP requirements. In addition, the total cost of the food service establishment GCE pumping, and FOG treatment and disposal should be the same or lower cost than the average market cost of GCE maintenance as determined by the city.

(Ord. No. 2015-366, § 1, 12-15-15)

Sec. 102-385. - Violations and enforcement action

- (a) Enforcement action against the food service establishment may result from, but is not limited to, failure to clean or pump grease control equipment, failure to maintain grease control equipment including installation of a properly functioning influent/effluent tees and baffle(s), failure to install grease control equipment,

failure to control FOG discharge from the FSE, failure to certify the gravity grease interceptor or grease trap, FSE responsible for sewer line obstruction, FSE responsible for a sanitary sewer overflow, and FSE use of additives so that FOG is diluted and pushed downstream of the FSE.

- (b) Whenever city personnel, or their authorized representative, determine that a gravity grease interceptor or grease trap is in need of installation, pumping, repairs, maintenance, or replacement, a noncompliance notification (NCN) or a notice of violation (NOV) will be issued stating the nature of the violation(s) and timeframe for corrective measures.
- (c) If the FSE fails to initiate corrective action in response to a NCN or NOV, a second notice will be issued and additional fees assessed. Fees may include compliance inspection fees, costs associated with service calls for sewer line blockages, line cleaning, camera trucks, line and pump repairs, including all labor, material and equipment. Further noncompliance will result in escalation in enforcement action.
- (d) Immediate discontinuance of Dothan Utilities services may be issued if the facility presents an imminent endangerment to the health, welfare of person or to the environment, causes stoppages or excessive city maintenance of the sanitary sewer system, causes significant interference with the wastewater treatment plant, or causes the city to violate any condition of its NPDES permit. Service shall be reinstated when such conditions have been eliminated and after payment of reconnection fees or other assessed fees.
- (e) In addition to any inspection or violation fees, any user who is found to have violated this FOG ordinance, or City of Dothan, part II, Code of Ordinances, chapter 102—utilities, article IV—sewer, shall be fined not less than \$100.00 or more than \$1,000.00 for each offense. Each day on which a violation occurs or continues shall be deemed a separate and distinct offense. In addition to the penalties provided in this subsection, the city may recover reasonable attorneys' fees, court costs, court reporters' fees, and other expenses of litigation by appropriate suit at law against the person found to have violated this article or the orders, rules, regulations and permits issued under this article.
- (f) If inspections and field investigations determine that any fats, oils, and grease interference or blockage in the POTW (including the sewer system, a sewage pumping station, or the wastewater treatment plant) is caused by a particular user, or food service establishment, then that user, or FSE, may be required to reimburse the city for all labor, equipment, supplies and disposal costs incurred by city to clean the interference or blockage. The charges will be added to the user's or FSE's utility bill. Failure to reimburse the city may result in termination of utility services.
- (g) For all other violations not specifically mentioned above, the city will use the *City of Dothan Food Service Establishment Enforcement Response Guide* as a guide for enforcement action.

(Ord. No. 2015-366, § 1, 12-15-15)

Water Permits Division




Application Form 2S

New and Existing Treatment Works Treating Domestic Sewage

NPDES Permitting Program

Note: Complete Form 2S if you are a new or existing treatment works treating domestic sewage.

EPA Identification Number 100000105824		NPDES Permit Number AL0022764		Facility Name Omussee Creek WWTP		Form Approved 03/05/19 OMB No 2040-0004		
Form 2S NPDES			U.S Environmental Protection Agency Application for NPDES Permit for Sewage Sludge Management NEW AND EXISTING TREATMENT WORKS TREATING DOMESTIC SEWAGE					
PRELIMINARY INFORMATION								
Does your facility currently have an effective NPDES permit or have you been directed by your NPDES permitting authority to submit a full Form 2S permit application?								
<input checked="" type="checkbox"/> Yes → Complete Part 2 of application package (begins p. 7). <input type="checkbox"/> No → Complete Part 1 of application package (below).								
PART 1		LIMITED BACKGROUND INFORMATION (40 CFR 122.21(c)(2)(ii))						
Complete this part only if you are a "sludge-only" facility (i.e., a facility that does not currently have, and is not applying for, an NPDES permit for a direct discharge to a surface body of water).								
PART 1, SECTION 1. FACILITY INFORMATION (40 CFR 122.21(c)(2)(ii)(A))								
Facility Information	1.1	Facility name N/A						
		Mailing address (street or P.O. box) N/A						
		City or town N/A			State N/A		ZIP code N/A	
		Contact name (first and last) N/A		Title N/A		Phone number	Email address N/A	
		Location address (street, route number, or other specific identifier) N/A					<input type="checkbox"/> Same as mailing address	
		City or town N/A			State N/A		ZIP code N/A	
	1.2	Ownership Status						
<input type="checkbox"/> Public—federal <input type="checkbox"/> Public—state <input type="checkbox"/> Other public (specify) _____ <input type="checkbox"/> Private <input type="checkbox"/> Other (specify) _____								
PART 1, SECTION 2. APPLICANT INFORMATION (40 CFR 122.21(c)(2)(ii)(B))								
Applicant Information	2.1	Is applicant different from entity listed under Item 1.1 above? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.3 (Part 1, Section 2).						
	2.2	Applicant name N/A						
		Applicant address (street or P.O. box) N/A						
		City or town N/A			State N/A		ZIP code N/A	
		Contact name (first and last) N/A		Title N/A		Phone number	Email address N/A	
2.3	Is the applicant the facility's owner, operator, or both? (Check only one response.) <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Both							
2.4	To which entity should the NPDES permitting authority send correspondence? (Check only one response.) <input type="checkbox"/> Facility <input type="checkbox"/> Applicant <input type="checkbox"/> Facility and applicant (they are one and the same)							
PART 1, SECTION 3. SEWAGE SLUDGE AMOUNT (40 CFR 122.21(c)(2)(ii)(D))								
Sewage Sludge Amount	3.1	Provide the total dry metric tons per the latest 365-day period of sewage sludge generated, treated, used, and disposed of:						
		Practice					Dry Metric Tons per 365-Day Period	
		Amount generated at the facility					N/A	
		Amount treated at the facility					N/A	
		Amount used (i.e., received from off site) at the facility					N/A	
Amount disposed of at the facility					N/A			

PART 1, SECTION 4. POLLUTANT CONCENTRATIONS (40 CFR 122.21(c)(2)(ii)(E))

4.1

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

Check here if you have provided a separate attachment with this information.

Pollutant Concentrations

Pollutant	Concentration (mg/kg dry weight)	Analytical Method	Detection Level for Analysis
Arsenic	N/A	N/A	N/A
Cadmium	N/A	N/A	N/A
Chromium	N/A	N/A	N/A
Copper	N/A	N/A	N/A
Lead	N/A	N/A	N/A
Mercury	N/A	N/A	N/A
Molybdenum	N/A	N/A	N/A
Nickel	N/A	N/A	N/A
Selenium	N/A	N/A	N/A
Zinc	N/A	N/A	N/A
Other (specify)	N/A	N/A	N/A
Other (specify)	N/A	N/A	N/A
Other (specify)	N/A	N/A	N/A
Other (specify)	N/A	N/A	N/A
Other (specify)	N/A	N/A	N/A
Other (specify)	N/A	N/A	N/A
Other (specify)	N/A	N/A	N/A
Other (specify)	N/A	N/A	N/A
Other (specify)	N/A	N/A	N/A
Other (specify)	N/A	N/A	N/A

EPA Identification Number
100000105824

NPDES Permit Number
AL0022764

Facility Name
Omussee Creek WWTP

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

PART 1, SECTION 7. USE AND DISPOSAL SITES (40 CFR 122.21(c)(2)(ii)(C))

Use and Disposal Sites	Provide the following information for each site on which sewage sludge from this facility is used or disposed of.			
	<input type="checkbox"/> Check here if you have provided separate attachments with this information.			
	7 1	Site name or number N/A		
		Mailing address (street or P O. box) N/A		
		City or town N/A	State N/A	ZIP code N/A
		Contact name (first and last) N/A	Title N/A	Phone number Email address N/A
		Location address (street route number or other specific identifier) N/A		<input type="checkbox"/> Same as mailing address
		City or town N/A	State N/A	ZIP code N/A
		County N/A	County code N/A	<input type="checkbox"/> Not available
	7 2	Site type (check all that apply)		
	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Lawn or home garden	<input type="checkbox"/> Forest	
	<input type="checkbox"/> Surface disposal	<input type="checkbox"/> Public contact	<input type="checkbox"/> Incineration	
	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Municipal solid waste landfill	<input type="checkbox"/> Other (describe)	

PART 1, SECTION 8. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement	8 1	In Column 1 below, mark the sections of Form 2S, Part 1, that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to provide attachments.	
		Column 1	Column 2
		<input type="checkbox"/> Section 1 Facility Information	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 2 Applicant Information	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 3: Sewage Sludge Amount	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 4: Pollutant Concentrations	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 5: Treatment Provided at Your Facility	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 6: Sewage Sludge Sent to Other Facilities	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 7. Use and Disposal Sites	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 8 Checklist and Certification Statement	

EPA Identification Number 100000105824		NPDES Permit Number AL0022764	Facility Name Omussee Creek WWTP	Form Approved 03/05/19 OMB No. 2040-0004
Checklist and Certification Statement Continued	82	Certification Statement <i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i>		
		Name (print or type first and last name) N/A	Official title N/A	Phone number
		Signature N/A		Date signed

PART 1 APPLICANTS STOP HERE.

Submit completed application package to your NPDES permitting authority.

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PART 2	PERMIT APPLICATION INFORMATION (40 CFR 122.21(q))
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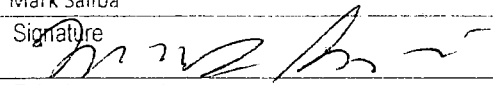
Complete this part if you have an effective NPDES permit or have been directed by the NPDES permitting authority to submit a full permit application. In other words, complete this part if your facility has, or is applying for, an NPDES permit. Part 2 is divided into five sections. Section 1 pertains 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.

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

All Part 2 applicants must complete this section.

General Information	Facility Information				
	1.1	Facility name Omussee Creek WWTP			
		Mailing address (street or P.O. box) P.O. Box 2128			
		City or town Dothan	State Alabama	ZIP code 36302	Phone number (334) 726-9635
		Contact name (first and last) Jeffrey Dykes	Title Chief Operator	Email address jgdykes@dothan.org	
		Location address (street, route number, or other specific identifier) 457 Jerry Drive			<input type="checkbox"/> Same as mailing address
		City or town Dothan	State Alabama	ZIP code 36303	
	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	7.12 million gallons per day (mgd)		
	1.4	Total Population Served	14,580		
	1.5	Ownership Status			
		<input type="checkbox"/> Public—federal	<input type="checkbox"/> Public—state	<input checked="" type="checkbox"/> Other public (specify) <u>Municipality</u>	
		<input type="checkbox"/> Private	<input type="checkbox"/> Other (specify) _____		
	Applicant Information				
	1.6	Is applicant different from entity listed under Item 1.1 above? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 1.8 (Part 2, Section 1).			
1.7	Applicant name City of Dothan				
	Applicant mailing address (street or P.O. box) P.O. Box 2128				
	City or town Dothan	State Alabama	ZIP code 36302		
	Contact name (first and last) Billy R. Mayes	Title Utilities Director	Phone number (334) 615-3303	Email address brmayes@dothan.org	
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)				

EPA Identification Number 100000105824		NPDES Permit Number AL0022764	Facility Name Omussee Creek WWTP	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.			AL0022764
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) N/A	<input type="checkbox"/> Nonattainment program (CAA) N/A	<input type="checkbox"/> NESHAPs (CAA) N/A	
	<input type="checkbox"/> PSD (air emissions) N/A	<input type="checkbox"/> Dredge or fill (CWA Section 404) N/A	<input type="checkbox"/> Other (specify) N/A	
	<input type="checkbox"/> Ocean dumping (MPRSA) N/A	<input type="checkbox"/> UIC (underground injection of fluids) N/A	N/A	
Indian Country				
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. N/A			
Topographic Map				
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			
Line Drawing				
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			
Contractor Information				
1.16	Do contractors have any operational or maintenance responsibilities related to sewage sludge generation, treatment, use, or disposal at the facility? <input type="checkbox"/> Yes <input checked="" 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.			
		Contractor 1	Contractor 2	Contractor 3
	Contractor company name	N/A		
	Mailing address (street or P.O. box)			
	City, state, and ZIP code			
	Contact name (first and last)			
	Telephone number			
	Email address			

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1.17 cont.	Responsibilities of contractor	Contractor 1	Contractor 2	Contractor 3
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.				
<input type="checkbox"/> 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 checked="" 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>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) Mark Saliba		Official title Mayor, City of Dothan	
	Signature 		Date signed 11-16-2021	
	Telephone number (334) 615-3111			
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

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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))

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

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		
Amount Generated Onsite			
2.2	Total dry metric tons per 365-day period generated at your facility:		504.51
Amount Received from Off Site Facility			
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:		0
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
	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.		
	Amount (dry metric tons)	Pathogen Class and Reduction Alternative	Vector Attraction Reduction Option
	N/A	<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
2.7	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 degritting)	<input 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) _____	

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 type="checkbox"/> Land application of biosolids (bulk) <input type="checkbox"/> Land application of biosolids (bags) <input checked="" 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 degritting) <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 checked="" type="checkbox"/> Thickening (concentration) <input type="checkbox"/> Anaerobic digestion <input type="checkbox"/> Conditioning <input checked="" type="checkbox"/> Dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons) <input type="checkbox"/> Thermal reduction	
	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. <input type="checkbox"/> Check here if you have attached the description to the application package.		
		The Omussee WWTP is a back up sludge treatment facility to the Little Choctawhatchee WWTP sludge treatment facility. Normal operation is for the New Cypress Creek WWTP sludge to be treated at the Little Choctawhatchee WWTP, and as such this facility would also be a back up for treatment of the New Cypress Creek WWTP sludge as well. This WWTP has a FOG/septic sludge receiving facility which dewateres sludge independently of the WWTP process (excluding filtrate return to the WWTP) prior to disposal in the landfill (annual generation of 160.75 dmt). This WWTP also utilizes sludge drying beds for dewatering vector truck waste independently of the WWTP process (excluding filtrate return to the WWTP) prior to disposal in the landfill (annual generation of 101.69 dmt).		
	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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> No			
	<input checked="" type="checkbox"/> Check here once you have completed Items 2.11 to 2.13, then → SKIP to Item 2.32 (Part 2, Section 2) below.			

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

Sale or Give-Away in a Bag or Other Container for Application to the Land			
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.			
Shipment Off Site for Treatment or Blending			
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		
2.19	Location address (street, route number, or other specific identifier)		<input 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.		
	Pathogen Class and Reduction Alternative	Vector Attraction Reduction Option	
<input checked="" type="checkbox"/> Not applicable		<input checked="" 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	

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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"/>	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) _____
	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 checked="" 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.			
Land Application of Bulk Sewage Sludge				
2.27	Is sewage sludge from your facility applied to the land?			
<input type="checkbox"/>	Yes	<input checked="" 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.			
Surface Disposal				
2.32	Is sewage sludge from your facility placed on a surface disposal site?			
<input type="checkbox"/>	Yes	<input checked="" 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:			
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 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						
		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:						
	Incineration							
	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:							
Disposal in a Municipal Solid Waste Landfill								
2.46	Is sewage sludge from your facility placed on a municipal solid waste landfill?							
	<input checked="" type="checkbox"/> Yes			<input 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 checked="" type="checkbox"/> Check here if you have attached additional sheets to the application package.						2	

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Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	2.48	Name of landfill Springhill Regional Landfill						
	Mailing address (street or P.O. box) 4945 Highway 273							
	City or town Campbellton				State Florida		ZIP code 32426	
	Contact name (first and last) Ms. Domenica Farmer		Title Area Vice President		Phone number (713) 512-6200		Email address dfarmer@wm.com	
	Location address (street, route number, or other specific identifier)						<input checked="" type="checkbox"/> Same as mailing address	
	County Jackson			County code 32			<input type="checkbox"/> Not available	
	City or town Campbellton			State FL		ZIP code 32426		
	2.49	Total dry metric tons of sewage sludge from your facility placed in this municipal solid waste landfill per 365-day period:					504.51	
	2.50	List the numbers of all other federal, state, and local permits that regulate the operation of this municipal solid waste landfill.						
			Permit Number		Type of Permit			
		0000475-031-SO-01		Operations Permit				
		0000475032-SC-01		Construction Permit				
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 checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No							

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Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	2.48	Name of landfill City of Dothan Sanitary Landfill						
	Mailing address (street or P.O. box) PO Box 2128							
	City or town Dothan				State AL		ZIP code 36302	
	Contact name (first and last) Ernest Stokes		Title Civil Engineer		Phone number (334) 615-4406		Email address efstokes@dothan.org	
	Location address (street, route number, or other specific identifier) 1290 Burkett Rd						<input type="checkbox"/> Same as mailing address	
	County Houston			County code 069			<input type="checkbox"/> Not available	
	City or town Dothan			State AL		ZIP code 36301		
	2.49	Total dry metric tons of sewage sludge from your facility placed in this municipal solid waste landfill per 365-day period					0	
	2.50	List the numbers of all other federal, state, and local permits that regulate the operation of this municipal solid waste landfill						
		Permit Number		Type of Permit				
	ALG160102		General NPDES Permit					
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 checked="" 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 checked="" type="checkbox"/> Yes			<input type="checkbox"/> No				

EPA Identification Number
100000105824

NPDES Permit Number
AL0022764

Facility Name
Omussee Creek WWTP

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

PART 2, SECTION 3 LAND APPLICATION OF BULK SEWAGE SLUDGE (40 CFR 122.21(q)(9))

Land Application of Bulk Sewage Sludge

3.1	Does your facility apply sewage sludge to land? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Part 2, Section 4.		
3.2	Do any of the following conditions apply? <ul style="list-style-type: none"> 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); The sewage sludge is sold or given away in a bag or other container for application to the land; or You provide the sewage sludge to another facility for treatment or blending. <input type="checkbox"/> Yes → SKIP to Part 2, Section 4. <input 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.		
Identification of Land Application Site			
3.4	Site name or number		
	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
Latitude/Longitude of Land Application Site (see instructions)			
	Latitude		Longitude
	" "		" "
Method of Determination			
	<input type="checkbox"/> USGS map	<input 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 type="checkbox"/> Check here to indicate you have attached a topographic map for this site.		
Owner Information			
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 type="checkbox"/> No		
3.7	Owner name		
	Mailing address (street or P.O. box)		
	City or town	State	ZIP code
	Contact name (first and last)	Title	Phone number Email address
Applier Information			
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 type="checkbox"/> No		
3.9	Applier's name		
	Mailing address (street or P.O. box)		
	City or town	State	ZIP code
	Contact name (first and last)	Title	Phone number Email address

EPA Identification Number
100000105824

NPDES Permit Number
AL0022764

Facility Name
Omussee Creek WWTP

Form Approved 03/05 19
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Land Application of Bulk Sewage Sludge Continued

Site Type

- 3.10 Type of land application
- | | |
|--|--|
| <input type="checkbox"/> Agricultural land | <input type="checkbox"/> Forest |
| <input type="checkbox"/> Reclamation site | <input type="checkbox"/> Public contact site |
| <input type="checkbox"/> Other (describe) | |

Crop or Other Vegetation Grown on Site

3.11 What type of crop or other vegetation is grown on this site?

3.12 What is the nitrogen requirement for this crop or vegetation?

Vector Attraction Reduction

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?

Yes 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.)

Option 9 (injection below land surface) 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

Check here if you have attached your description to the application package.

Cumulative Loadings and Remaining Allotments

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)?

Yes 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?

Yes 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?

Yes 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.

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

EPA Identification Number
100000105824

NPDES Permit Number
AL0022764

Facility Name
Omussee Creek WWTP

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

PART 2, SECTION 4 SURFACE DISPOSAL (40 CFR 122.21(q)(10))

Surface Disposal	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.		
	Information on Active Sewage Sludge Units			
	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
		Latitude/Longitude of Active Sewage Sludge Unit (see instructions)		
		Latitude		Longitude
		. ' "		. ' "

EPA Identification Number 100000105824		NPDES Permit Number AL0022764		Facility Name Omussee Creek WWTP		Form Approved 03/05/19 OMB No. 2040-0004		
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.						
	Sewage Sludge from Other Facilities							
	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							
	Pathogen Class and Reduction Alternative				Vector Attraction Reduction Option			
	<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			
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"/> 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) _____				

Surface Disposal Continued

Vector Attraction Reduction

4 21 Which vector attraction reduction option, if any is met when sewage sludge is placed on this active sewage sludge unit?

Option 9 (Injection below and surface) Option 11 (Covering active sewage sludge unit daily)

Option 10 (Incorporation into soil within 6 hours) None

4 22 Describe any treatment processes used at the active sewage sludge unit to reduce vector attraction properties of sewage sludge

Check here if you have attached your description to the application package.

Groundwater Monitoring

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?

Yes No → SKIP to Item 4.26 (Part 2, Section 4) below.

4 24 Provide a copy of available groundwater monitoring data.

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

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?

Yes 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.

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?

Yes No → SKIP to Item 4 30 (Part 2, Section 4) below.

4.29 Submit a copy of the certification with this permit application

Check here to indicate you have attached the certification to the application package

Site-Specific Limits

4 30 Are you seeking site-specific pollutant limits for the sewage sludge placed on the active sewage sludge unit?

Yes No → SKIP to Part 2, Section 5.

4 31 Submit information to support the request for site-specific pollutant limits with this application

Check here to indicate you have attached the requested information

EPA Identification Number
100000105824

NPDES Permit Number
AL0022764

Facility Name
Omussee Creek WWTP

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

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

Incineration

Incinerator Information

5.1 Do you fire sewage sludge in a sewage sludge incinerator?
 Yes 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)
 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 Not available

City or town State ZIP code

Latitude/Longitude of Incinerator (see instructions)

Latitude

Longitude

Method of Determination

USGS map Field survey Other (specify)

Amount Fired

5.4 Dry metric tons per 365-day period of sewage sludge fired in the sewage sludge incinerator

Beryllium NESHAP

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.
 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?
 Yes 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
 Check here to indicate that you have attached this information

Mercury NESHAP

5.8 Is compliance with the mercury NESHAP being demonstrated via stack testing?
 Yes 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
 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
 Check here to indicate that you have attached this information

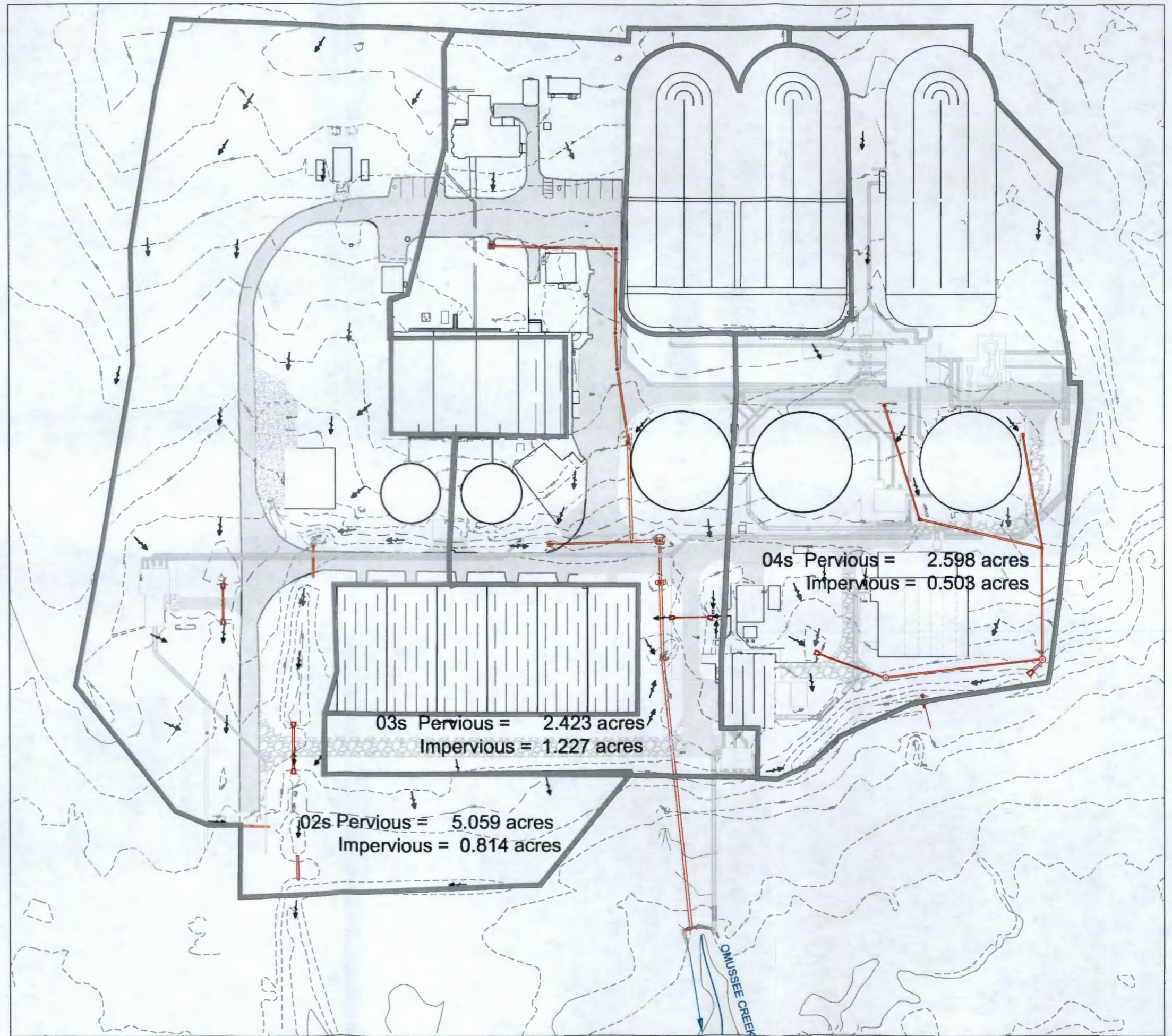
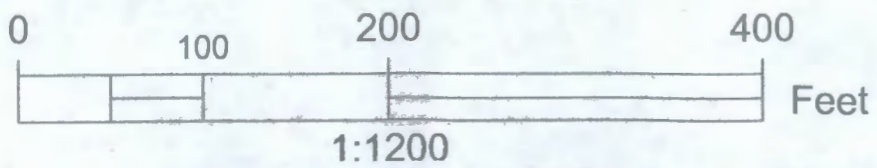
5.11 Do you demonstrate compliance with the mercury NESHAP by sewage sludge sampling?
 Yes No → SKIP to Item 5.13 (Part 2, Section 5) below.

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.
 Check here to indicate that you have attached this information.

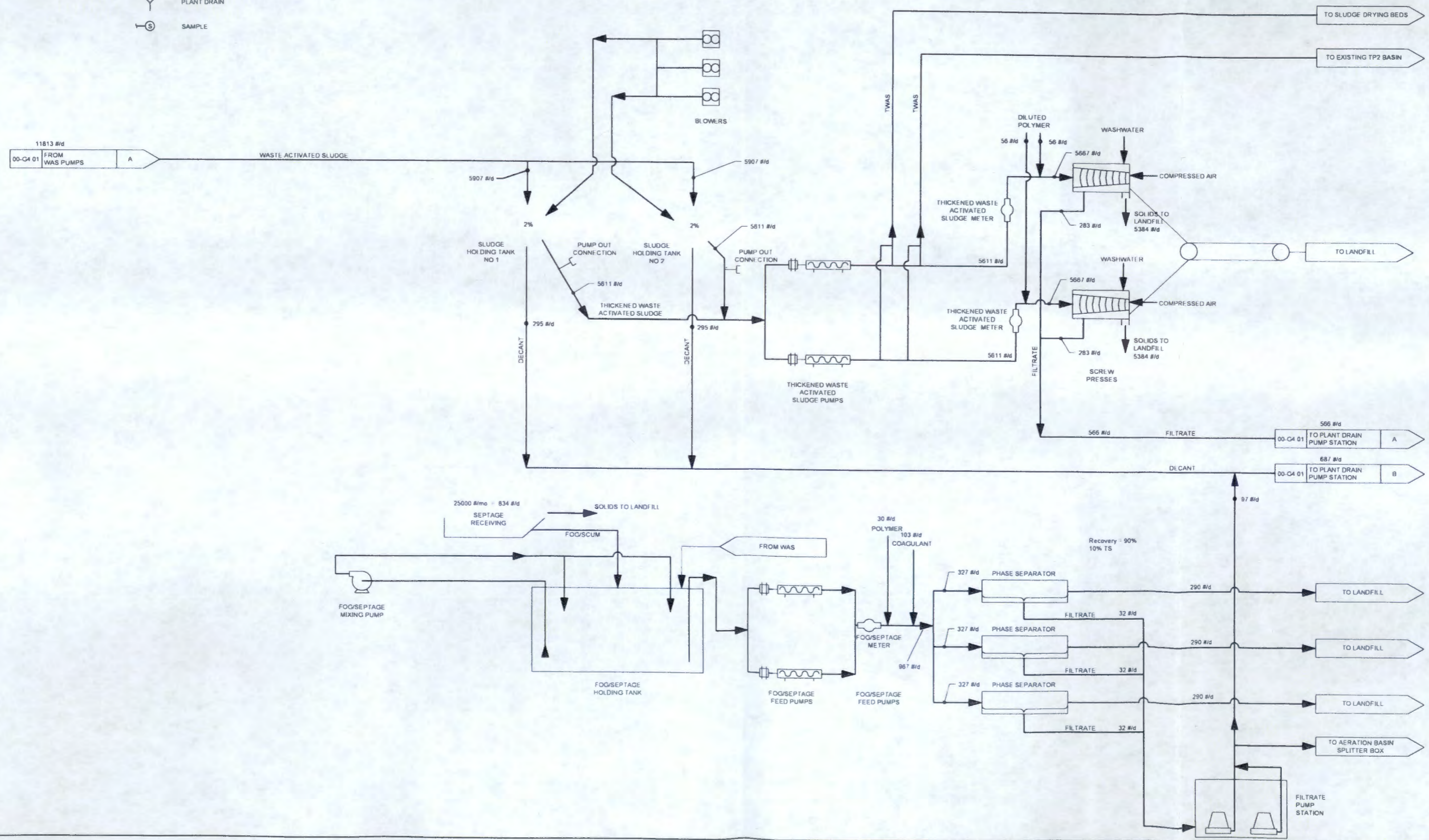
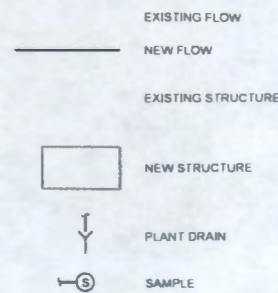
EPA Identification Number 100000105824		NPDES Permit Number AL0022764		Facility Name Omussee Creek WWTP		Form Approved 03/05 19 OMB No 2040-0004		
Incineration Continued	Dispersion Factor							
	5 13	Dispersion factor in micrograms/cubic meter per gram/second:						
	5 14	Name and type of dispersion 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						
	Control Efficiency							
	5 16	Provide the control efficiency, in hundredths, for each of the pollutants listed below.						
		Pollutant		Control Efficiency, in Hundredths				
		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.						
	Risk-Specific Concentration for Chromium							
	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						
	Incinerator Parameters							
	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							

**CITY OF DOTHAN
OMUSSEE CREEK WWTP
FORM 2S
ATTACHMENT 7**

ATTACHMENT 3
OMUSSEE CREEK WWTP
SITE DRAINAGE MAP



**ATTACHMENT 4
OMUSSEE CREEK WWTP
FLOW SCHEMATIC-SOLIDS
LEGEND**



BWSC
BARGE WADSWORTH SUMNER & CANNON, INC.

2047 West Main Street, Suite 1, Dothan, Alabama 36501
PHONE (334) 793-8286 FAX (334) 793-1459

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BWSC SHALL NOT BE RESPONSIBLE FOR THE INFORMATION INCORPORATED INTO THIS DOCUMENT AS A RESULT OF INFORMATION PROVIDED BY OTHERS.

**PROCESS FLOW DIAGRAM - SOLIDS
OMUSSEE CREEK WWTP
UPGRADES**
CITY OF DOTHAN, ALABAMA

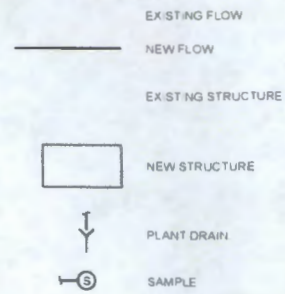
REV	DATE	BY	CHK	DESCRIPTION
0	10/27/2021	LNB	TP	ISSUED FOR CONSTRUCTION
1	10/27/2021	LNB	TP	UPDATED MASS BALANCE VALUES

00-G4.02
FILE NO. 32650-12

BY: LHBurris
PLOT DATE: 10/27/2021

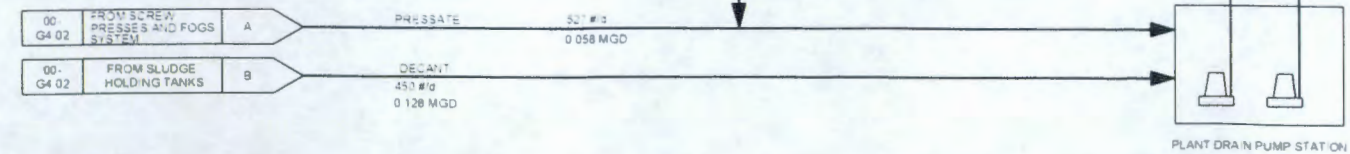
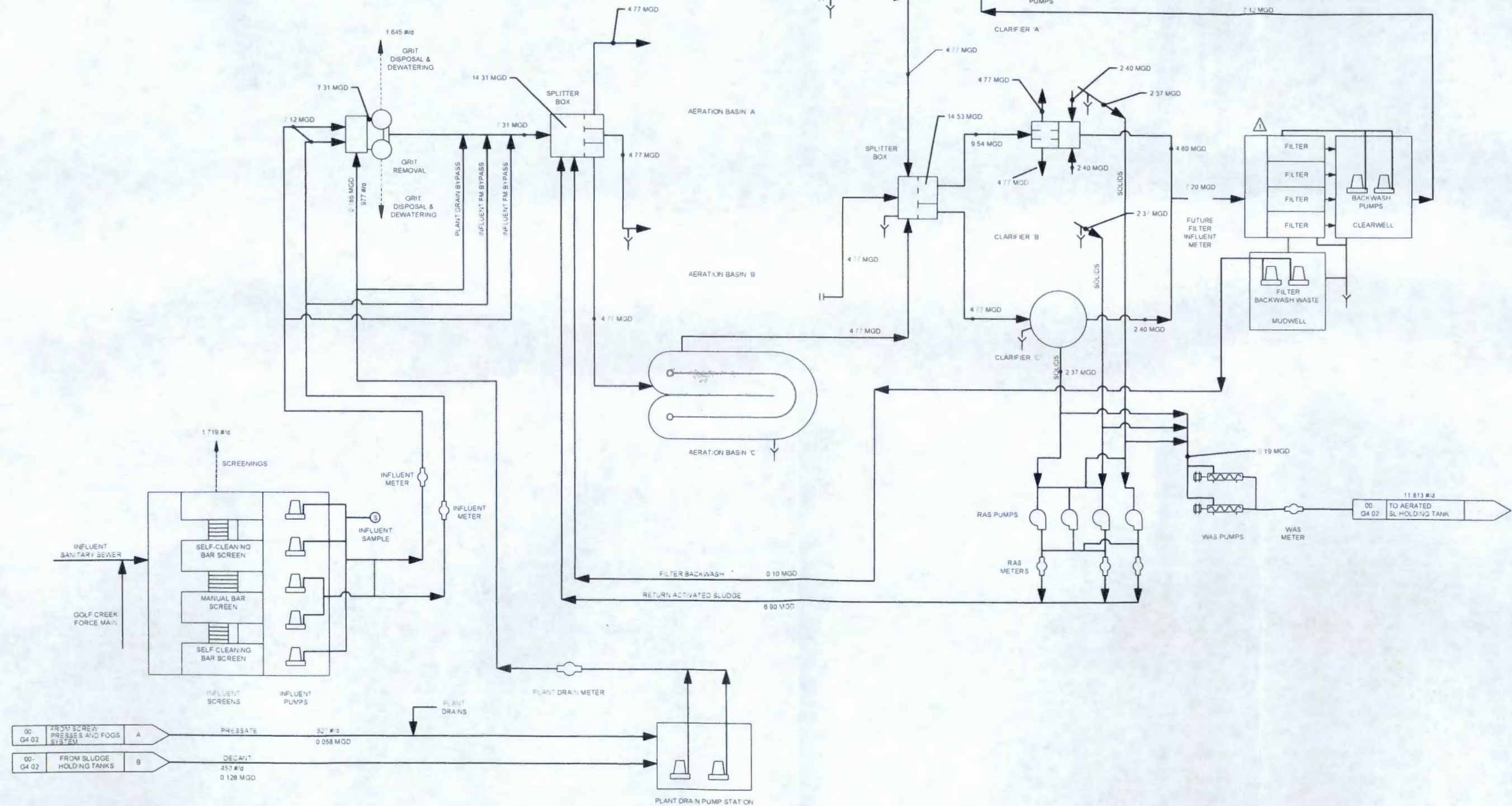
**ATTACHMENT 4
OMUSSEE CREEK WWTP
FLOW SCHEMATIC-LIQUIDS**

LEGEND



NOTES:

1. SEE P&IDS FOR PIPE SIZES, VALVE AND GATE LOCATIONS
2. VALUES SHOWN ARE ESTIMATED POUNDS OF SOLIDS PER DAY AT DESIGN CONDITIONS



BWSC
 BARGE WAGONER & SUMNER & CANNON, INC.
 2047 West Main Street, Suite 1, Dothan, Alabama 36001
 PHONE (334) 793-0366 FAX (334) 793-4158

PROCESS FLOW DIAGRAM - LIQUIDS
**OMUSSEE CREEK WWTP
UPGRADES**
 CITY OF DOTHAN, ALABAMA

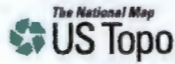
REV.	DR.	CHK.	DATE	DESCRIPTION
0	00	00	5/6/2020	RECORD DRAWINGS
1	00	00	10/27/2021	UPDATED MASS BALANCE VALUES

00-G4.01
 FILE NO 32650-12

BY: LHBurris
 PLOT DATE: 11/03/2021

**CITY OF DOTHAN
OMUSSEE CREEK WWTP
FORM 2S
ATTACHMENT 6**

ATTACHMENT 6A
OMUSSEE CREEK WWTP



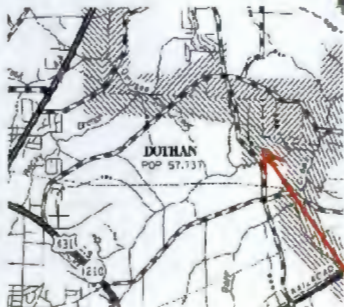
HEADLAND QUADRANGLE
DOTHAN EAST QUADRANGLE
ALABAMA-HOUSTON CO
7.5-MINUTE SERIES



ENLARGED AREA
SEE ATTACHMENT 1B

0.5 MILE
DIAMETER

1 MILE DIAMETER



457 JERRY DRIVE

SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

QUADRANGLE LOCATION

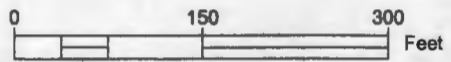
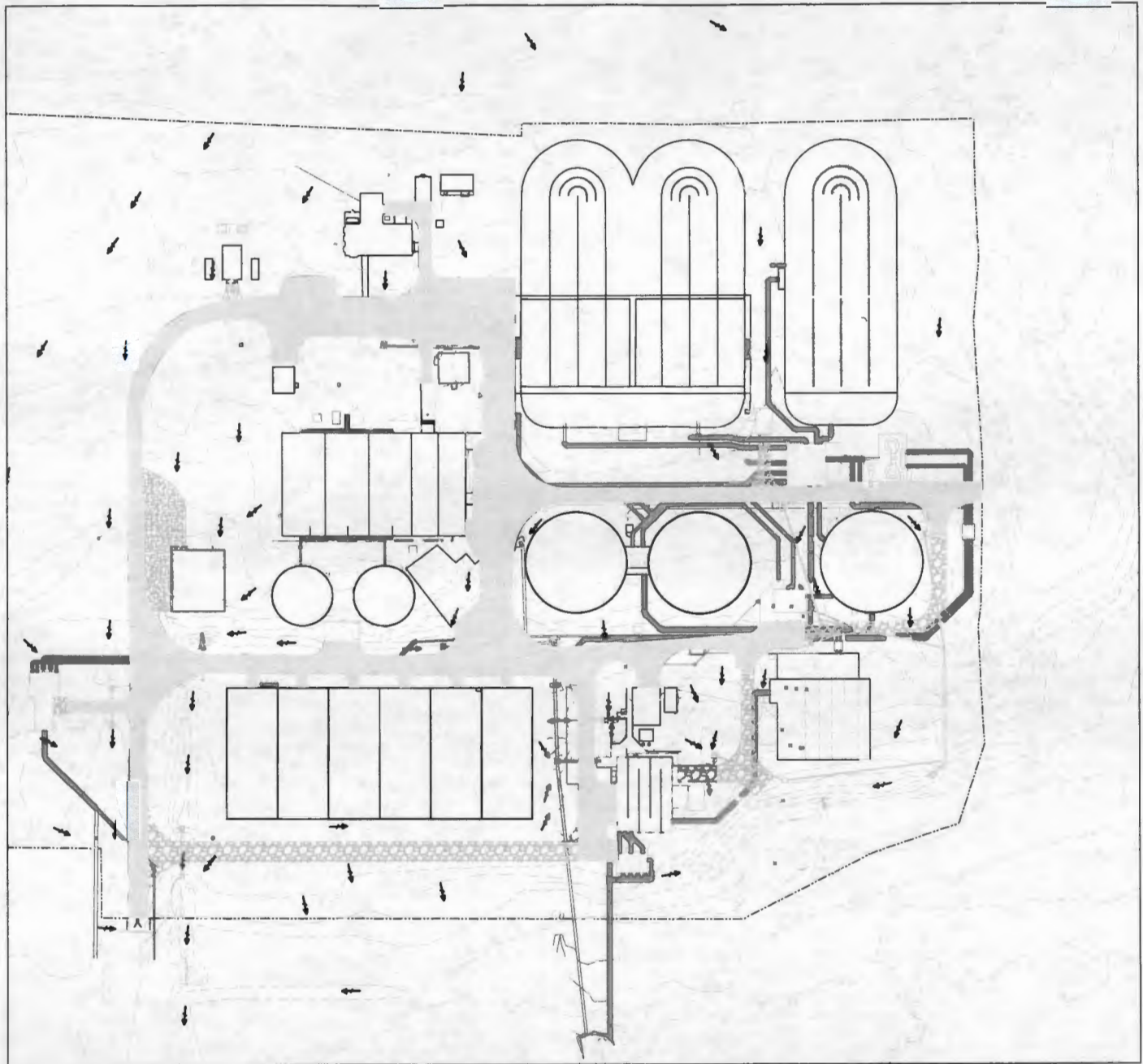
Midland City	Headland	Signs
Dothan West	Dothan East	Auburn
Madrid	Cottonwood	Grangeburg



ADJOINING 7.5' QUADRANGLES

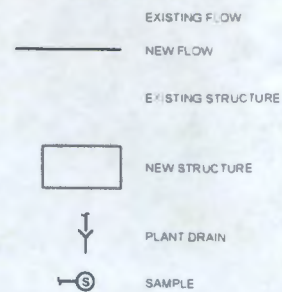
* There are no wells located within 1/4 mile of Omusee Creek Wastewater Treatment Plant.

ATTACHMENT 6B
OMUSSEE CREEK WWTP



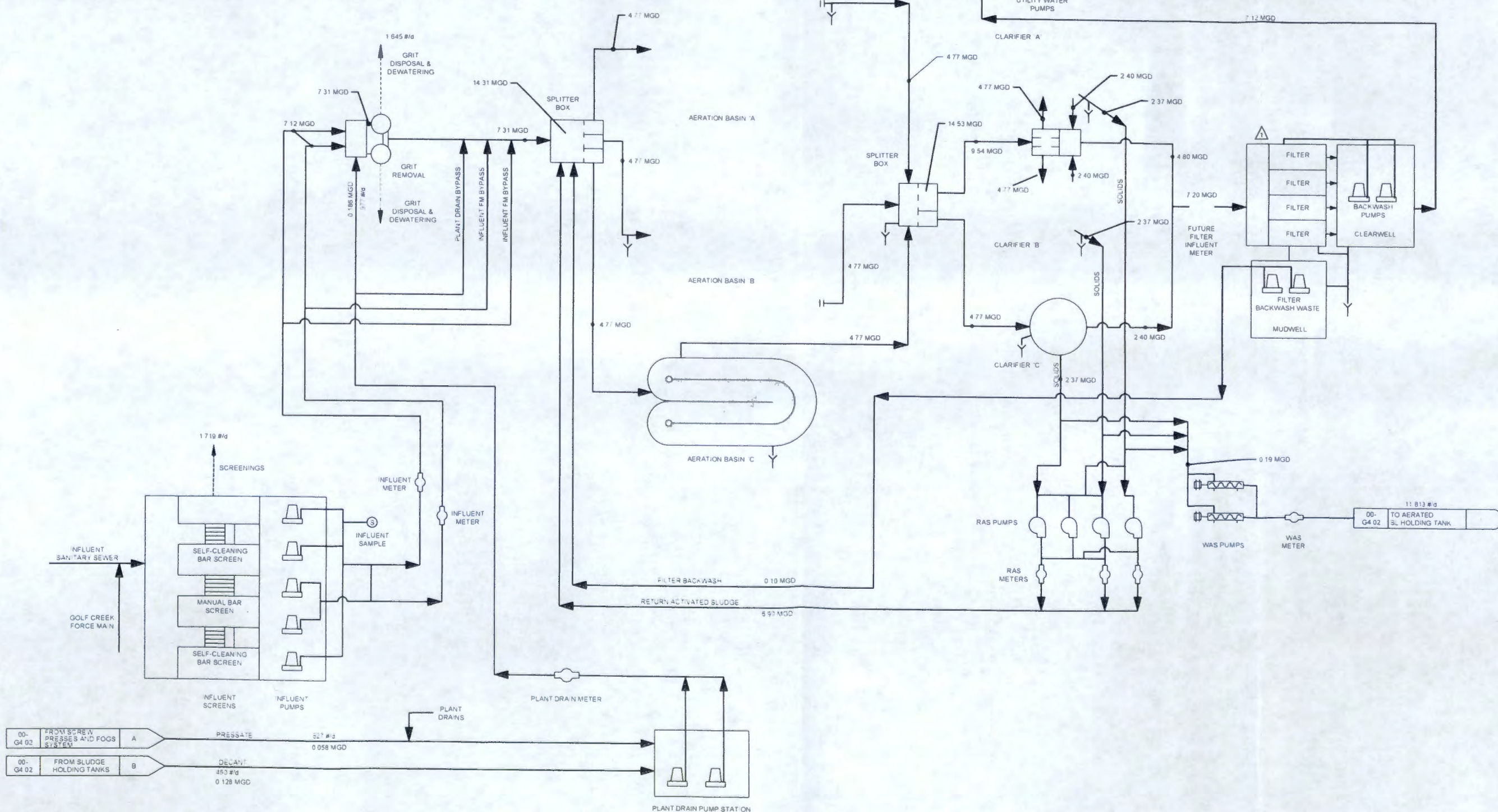
**ATTACHMENT 6C
OMUSSEE CREEK WWTP
FLOW SCHEMATIC-LIQUIDS**

LEGEND



NOTES:

1. SEE P&ID'S FOR PIPE SIZES
VALVE AND GATE LOCATIONS
2. VALUES SHOWN ARE
ESTIMATED POUNDS OF
SOLIDS PER DAY AT DESIGN
CONDITIONS



PROCESS FLOW DIAGRAM - LIQUIDS
**OMUSSEE CREEK WWTP
UPGRADES**
CITY OF DOTHAN, ALABAMA

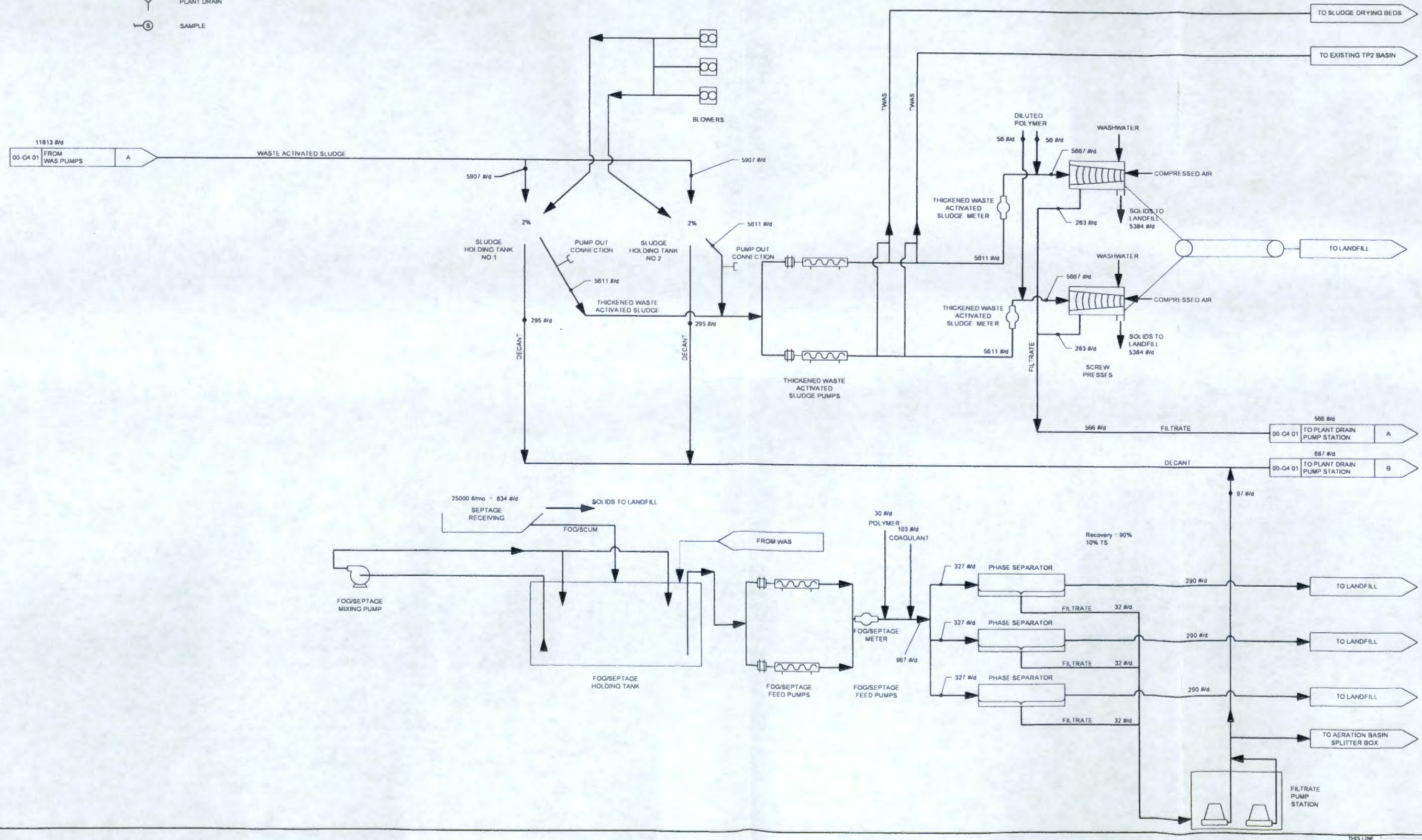
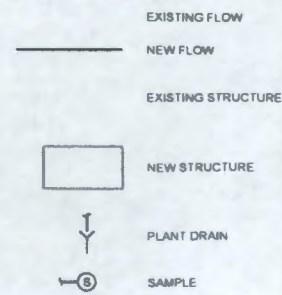
BWSC
BARGE
WAGNER
&
BURNER
&
CANNON, INC.
2047 West Main Street, Suite 1, Dothan, Alabama 36301
PHONE (334) 793-6266 FAX (334) 793-4459

REV.	DR.	CHK.	DATE	DESCRIPTION
0	DB	TP	10/27/2021	ISSUED MASS BALANCE VALUES
1				

00-G4.01
FILE NO 32650-12

BY: JMBurris
PLOT DATE: 11/03/2021

**ATTACHMENT 6D
OMUSSEE CREEK WWTP
FLOW SCHEMATIC-SOLIDS
LEGEND**



BARGE WADDONER SUMNER & CANNON, INC.
BWSC
2047 West Main Street, Suite 1, Dothan, Alabama 36301
PHONE (334) 793-6286 FAX (334) 793-7433

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PROCESS FLOW DIAGRAM - SOLIDS
**OMUSSEE CREEK WWTP
UPGRADES**
CITY OF DOTHAN ALABAMA

REV.	DATE	BY	CHK	APP	DESCRIPTION
1	10/27/2021	LHB	LHB	1P	RECORD DRAWINGS UPDATED BASIS BALANCE VALUES

00-G4.02
FILE NO. 32650-12

BY: LHBurris
PLOT DATE: 10/27/2021

**CITY OF DOTHAN
OMUSSEE CREEK WWTP**

ATTACHMENT 8-CITY OF DOTHAN SORP

***Polyenvironmental Corporation
Environmental Laboratory***

P.O. Box 837

Dothan, Alabama 36302

334-793-4700

04/22/2021

City of Dothan

200 Kilgore Dr. Water/Electric Complex

Dothan,AL 36301

ATTN: LaDon Driskell/Angie Akos

Omussee Biosolids

Asbestos, Reactive Cyanide, Reactive Sulfide, PCB's, TCLP, TPH-Oil & Grease, Total Solids, and Fecal Coliform performed by Pace.

Pace Report Numbers L1335879 and L1335878

Polyenvironmental Corporation

Respectfully Submitted,


Lyn Buntin Environmental Project Manager

2021-04-0161



ANALYTICAL REPORT

April 16, 2021

Poly Environmental Corp. Env. Lab

Sample Delivery Group: L1335879
Samples Received: 04/08 2021
Project Number:
Description: City of Dothan Omussee Creek

Report to: Elizabeth Stirling
PO Box 837
Dothan AL 36303



Entire Report Reviewed By

Jeff Carr
Project Manager



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

COMBINED PRESSED SLUDGE 338825-1133-88 '9-01' Solid

Method	Batch	Quantity	Preparation	Analysis	Analysis	Location
Standard Analysis	As labeled		As is	As is		50076130

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GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer and contained within this report include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

SDG	Sample Delivery Group
Uncertainty (Radiochemistry)	Confidence level of 2 sigma
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
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The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



ACCREDITATIONS & LOCATIONS

Alabama	10660	Nebraska	NE 011505
Alaska	17025	Nevada	1N000100010
Arizona	AZ0603	New Hampshire	2975
Arkansas	880489	New Jersey-NCLAP	1N002
California	1432	New Mexico	1N00010
Colorado	1N00010	New York	1740
Connecticut	PH0197	North Carolina	09315
Florida	FR7487	North Carolina	0901704
Georgia	NEIAP	North Carolina	41
Georgia	923	North Dakota	3140
Idaho	1N00003	Ohio-IAF	010069
Illinois	200008	Oklahoma	9915
Indiana	01N01	Oregon	1N200007
Iowa	164	Pennsylvania	6802979
Kansas	100217	Rhode Island	1A010356
Kentucky	KY90010	South Carolina	94004002
Kentucky	16	South Dakota	011
Louisiana	AI30797	Tennessee	2020
Louisiana	1AC18	Texas	1104042402018
Maine	1N00003	Texas	1A01052
Maryland	574	Utah	1N0000300210
Massachusetts	M1N003	Vermont	112106
Michigan	9958	Virginia	110033
Minnesota	047998194	Washington	1847
Mississippi	1N00003	West Virginia	233
Missouri	140	Wisconsin	998093310
Montana	0LRTD086	Wyoming	A21A
A2-A-15017025	180111	AHA-IAF-1-01-01-01	100199
A2-A-15017025	180111	DPH	146111
Canada	100111	SDA	14301510214
EPA-Cryon	1N00003		

Drinking Water, Underground Storage Tanks, Air Quality, Lead in Drinking Water, Wastewater, and Accreditation not applicable.

*Not all certifications held by the laboratory are applicable to the results reported in this attached report.

† Accreditation is only applicable to the test methods specified in each scope of work. ‡ For more details, see Accreditation.

Condition	NOF / OR
<p>355-439 1001 1001</p>	
<p>1001</p>	

<p>1001</p>	<p>1001</p>
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<p>1001</p>	<p>1001</p>
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<p>1001</p>	<p>1001</p>
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<p>1001</p>	<p>1001</p>
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B196

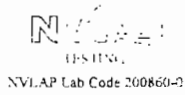
1001

1001
 1001
 1001



Certificate of Analysis

Client Name Pace Analytical Services, Inc
 Street Address 12065 Lebanon Rd
 City, State ZIP Mt Juliet TN 37122
 Attn James C Huckaba
 Client Project Name: WG1648091



Date Collected 4/6/2021
 Date Received 4/9/2021
 Date Analyzed 4/15/2021
 Date Reported 4/15/2021
 Project ID 21012976

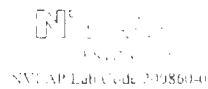
Test Requested **3002, Asbestos in Bulk Samples**
 Method EPA 600/R-93/116 Method for Asbestos in Bulk Building Materials, EPA - 40 CFR, Appendix E to Subpart E of Part 763 Interim Method for Asbestos in Bulk Insulation Samples

Sample Identification		Physical Description of Sample/Layer	Homo- geneous (Y/N)	Layer Percentage	Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage	Matrix Material Composition
Client	Lab Sample Number								
L1335879-01	21012976-1	Dark Brown Resinous Material	N	100	ND		3 CELLSYN	97	B

Andrea Berrios
 Laboratory Analyst

Certificate of Analysis

Client Name: Pace Analytical Services, Inc.
Street Address: 12065 Lebanon Rd.
City/State/ZIP: Mt. Juliet, TN 37122
Attn: James C. Huckaba
Client Project Name: WG1648091



Date Collected: 4/6/2021
Date Received: 4/9/2021
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Project ID: 21012976

Test Requested: **3002, Asbestos in Bulk Samples**
Method: EPA 600/R-93/116 Method for Asbestos in Bulk Building Materials, EPA -- 40 CFR Appendix E to Subpart F of Part 763, Interim Method for Asbestos in Bulk Insulation Samples

General Notes

- **ND** indicates no asbestos was detected; the method detection limit is 1%.
- **Trace** or "**< 1**" indicates asbestos was identified in the sample, but the concentration is less than 1% and cannot be quantified without point counting.
- Samples identified as inhomogeneous (more than one layer) are separated into individual layers, and each layer is analyzed and reported separately.
- All regulated asbestos minerals (i.e. chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite) were sought in every layer of each sample, but only those asbestos minerals detected are listed. Amosite is the common name for the asbestiform variety of the mineral grunerite. Crocidolite is the common name used for the asbestiform variety of the mineral riebeckite.
- Tile, vinyl, foam, plastic, and fine powder samples may contain asbestos fibers of such small diameter (< 0.25 microns in diameter) that these fibers cannot be detected by PLM. For such samples, more sensitive analytical methods (e.g. TEM, SEM, and XRD) are recommended if greater certainty about asbestos content is required. Semi-quantitative bulk TFM floor tile analysis is accepted under NESHAP regulations.
- These results are submitted pursuant to Aerobiology Laboratory Associates, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted.
- Unless notified in writing to return the samples covered by this report, Aerobiology Laboratory Associates, Inc. will store the samples for a minimum period of thirty (30) days before discarding. A shipping and handling charge will be assessed for the return of any samples.
- Aerobiology does not guarantee the results of tape lifts, microvacs, wipe, and/or debris samples. Accurate analysis cannot be performed due to particle size, media used, and/or amount of material given. Analysis of these materials should be performed by a TEM. *A result of ND does not indicate that the sample area does not contain asbestos. It means the analyst could not identify asbestos in the specific sample for the reasons listed above.*

Notes Required by NVLAP

- This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.
- This test report relates only to the items tested or calibrated.
- This report is not valid unless it bears the name of a NVLAP-approved signatory.
- Any reproduction of this document must include the entire document in order for the report to be valid.



ANALYTICAL REPORT

Poly Environmental Corp. Env. Lab

Sample Delivery Group L1335878
 Samples Received 04/08/2021
 Project Number.
 Description City of Dothan Omussee Creek

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Entire Report Reviewed By

Cassandra Foster
 Cassandra Foster
 Project Manager

[Faint, illegible text]



Pace Analytical National

12065 Lebanon Rd. Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

ACCOUNT

PROJECT

SDG:

DATE/TIME

PAGE:

04/08/2021 14:40

L1335878

04/21/21 14:40

1 of 27

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SAMPLE SUMMARY

Well ID	Depth (ft)	Sample	Depth (ft)	Analysis	Notes
Well 10001	1	Sample 10001	1	Analysis 10001	Notes 10001
Well 10002	1	Sample 10002	1	Analysis 10002	Notes 10002

Well ID	Depth (ft)	Sample	Depth (ft)	Analysis	Notes
Well 10003	1	Sample 10003	1	Analysis 10003	Notes 10003
Well 10004	1	Sample 10004	1	Analysis 10004	Notes 10004
Well 10005	1	Sample 10005	1	Analysis 10005	Notes 10005
Well 10006	1	Sample 10006	1	Analysis 10006	Notes 10006
Well 10007	1	Sample 10007	1	Analysis 10007	Notes 10007
Well 10008	1	Sample 10008	1	Analysis 10008	Notes 10008
Well 10009	1	Sample 10009	1	Analysis 10009	Notes 10009
Well 10010	1	Sample 10010	1	Analysis 10010	Notes 10010

Well ID	Depth (ft)	Sample	Depth (ft)	Analysis	Notes
Well 10011	1	Sample 10011	1	Analysis 10011	Notes 10011

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CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and with in method specified holding times, unless qualified or notated within the report. Where applicable all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

[Faint signature]

Classified Foster
Project Manager

Project Narrative

All Reactive Cyanide results reported in the attached report were determined as totals using method 9012B
All Reactive Sulfide results reported in the attached report were determined as totals using method 9034/9130B

Sample Delivery Group (SDG) Narrative

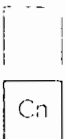
Analysis was performed from an improper container for the following samples.

Lab Sample ID	Project Sample ID	Method
L1335878	CONTAMINATED PRESERVATIVE SOLUTION 1338	9071B
L1335879	CONTAMINATED PRESERVATIVE SOLUTION 1388	1311

Analyte	Result	Qualifier	Dilution	Analysis date/time	Batch
Total Solids	69.0		1	04/06/21 15:00	WG1650226

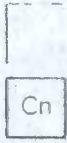
Analyte	Result (wet)	RDL (Wet)	Result (dry)	RDL (dry)	Qualifier	Dilution	Analysis date/time	Batch
As	ND	100	ND	650		1	04/13/2021 15:33	WG1650226

Analyte	Result (wet)	RDL (Wet)	Result (dry)	RDL (dry)	Qualifier	Dilution	Analysis date/time	Batch
As	ND	100	ND	650		1	04/13/2021 15:33	WG1650226
Cr	ND	100	ND	650		1	04/13/2021 15:33	WG1650226
Co	ND	100	ND	650		1	04/13/2021 15:33	WG1650226
Cd	ND	100	ND	650		1	04/13/2021 15:33	WG1650226
Cu	ND	100	ND	650		1	04/13/2021 15:33	WG1650226
Pb	ND	100	ND	650		1	04/13/2021 15:33	WG1650226
Mn	ND	100	ND	650		1	04/13/2021 15:33	WG1650226
Ag	ND	100	ND	650		1	04/13/2021 15:33	WG1650226
Al	69.0		69.0			1	04/06/21 15:00	WG1650226
Si	739		739			1	04/06/21 15:00	WG1650226



Compliance & Method: FT

Analyte	Result	Qualifier	Prop	Batch
Ammonia	0.00		4/26/2015 11:44 AM	W1335878
Ammonium	0.00		4/26/2015 11:44 AM	W1335878
Chloride	0.00		4/26/2015 11:44 AM	W1335878
Copper	0.00		4/26/2015 11:44 AM	W1335878



Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
Ammonia	0.00		0.05	1	4/26/2015 11:44	
Ammonium	0.00		0.25	1	4/26/2015 11:44	



Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
Ammonia	0.00		0.05	1	4/26/2015 11:44	
Ammonium	0.00		0.25	1	4/26/2015 11:44	

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
Mercury	ND		0.005	0.01	1	4/26/2015 11:44	W1335878

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
Ammonia	0.00		0.05	0.01	1	4/26/2015 11:44	
Ammonium	ND		0.25	0.01	1	4/26/2015 11:44	
Barium	0.00		0.003	0.01	1	4/26/2015 11:44	
Bismuth	ND		0.001	0.01	1	4/26/2015 11:44	
Boron	ND		0.001	0.01	1	4/26/2015 11:44	
Calcium	ND		0.001	0.01	1	4/26/2015 11:44	
Chromium	ND		0.001	0.01	1	4/26/2015 11:44	

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
Ammonia	0.00		0.05	0.01	1	4/26/2015 11:44	
Ammonium	ND		0.25	0.01	1	4/26/2015 11:44	
Antimony	ND		0.001	0.01	1	4/26/2015 11:44	W1335878
Barium	ND		0.003	0.01	1	4/26/2015 11:44	
Bismuth	ND		0.001	0.01	1	4/26/2015 11:44	
Boron	ND		0.001	0.01	1	4/26/2015 11:44	
Calcium	ND		0.001	0.01	1	4/26/2015 11:44	
Chromium	ND		0.001	0.01	1	4/26/2015 11:44	
Copper	ND		0.001	0.01	1	4/26/2015 11:44	
Cadmium	ND		0.001	0.01	1	4/26/2015 11:44	
Lead	ND		0.001	0.01	1	4/26/2015 11:44	
Manganese	ND		0.001	0.01	1	4/26/2015 11:44	
Mercury	ND		0.005	0.01	1	4/26/2015 11:44	
Nickel	ND		0.001	0.01	1	4/26/2015 11:44	
Selenium	ND		0.001	0.01	1	4/26/2015 11:44	
Silver	ND		0.001	0.01	1	4/26/2015 11:44	
Zinc	ND		0.001	0.01	1	4/26/2015 11:44	



Analyte

Result

Qualifier

Batch

Value

Unit

Value

Cr

⁸⁷Sr

1

WG1649973

QUALITY CONTROL SUMMARY

Total Solids by Method 2540 G-2011

L1335878-01

Method: Blank - MB

(MB) R3641336-1 04/12/21 15:19

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Total Solids	0.006			

(OS) L1336816-01 04/12/21 15:19 - (DUP) R3641336-3 04/12/21 15:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Total Solids	19.7	21.6		8.96		

(LCS) R3641336-2 04/12/21 15:19

Analyte	Spike Amount	LCS Result	LCS Rec	Rec. Limits	<u>LCS Qualifier</u>
Total Solids	50.0	50.0	100	85.0-115	



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WG1649957

Wet Chemistry by Method 8012 B

QUALITY CONTROL SUMMARY

L1335878-02

04/13/21 15:37

(MB) R3641374-B 04/13/21 15:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Reactive Cyanide			0.030	0.080

(LCS) R3641374-B 04/13/21 15:38

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Reactive Cyanide	0.030	0.029	97.5	80-100	



W01135878-01

QUALITY CONTROL SUMMARY

L1335878-01

(MB) R3641296-1 04/13/21 13:33

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
			33.0	100

(LCS) R3641296-2 04/13/21 13:33 - (LCSD) R3641296-3 04/13/21 13:33

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%				
				115	112	30.0-120				

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WG1651503

Mercury by Method 7470A

QUALITY CONTROL SUMMARY

L1335878-02

Method Blank (MB)

(MB) R3642167-1 04/15/21 08:09

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury	0.00333		0.00333	0.0100

(LCS) R3642167-2 04/15/21 08:11

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec Limits	LCS Qualifier
Mercury	0.0300	0.0313	100%	80-120%	

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WG1651787

Metals (ICP) by Method 6010B

QUALITY CONTROL SUMMARY

L1335878-02

Method: [EPA] 6010B

(MB) R3642213-1 04/15/21 09:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Arsenic	0.000		0.0253	0.100
Barium	0.000		0.0343	0.100
Cadmium	0.000		0.0334	0.100
Chromium	0.000		0.0333	0.100
Lead	0.000		0.0353	0.100
Selenium	0.0456		0.0333	0.100
Silver	0.000		0.0293	0.100

(LCS) R3642213-2 04/15/21 09:30

Analyte	Spike Amount	LCS Result	LCS Rec	Rec Limits	LCS Qualifier
Arsenic	0.000	0.000	44.7	20.0-70.0	
Barium	0.000	0.000	101	30.0-420	
Cadmium	0.000	0.000	73.7	2.0-100	
Chromium	0.000	0.000	36.2	30.0-120	
Lead	0.000	0.000	46.5	20.0-100	
Selenium	0.000	0.000	40.0	30.0-120	
Silver	0.000	0.000	46.0	20.0-120	



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WG1652340

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC-MS) by Method 8260B

L1335878-02

1652340-02-01

(MNI) 1652340-02-01 15:21:13:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Acetylene	0.00		0.07	0.07
Carbon tetrachloride	0.00		0.0007	0.0007
Chloroform	0.00		0.0047	0.0047
1,1-Dichloroethane	0.00		0.0047	0.0047
1,1,1-Trichloroethane	0.00		0.0047	0.0047
1,1,2-Trichloroethane	0.00		0.0047	0.0047
Tetrachloroethene	0.00		0.0047	0.0047
Vinyl chloride	0.00		0.0047	0.0047
1,2-Dichloroethane	0.00		0.0047	0.0047
1,1,2,2-Tetrachloroethane	0.00		0.0047	0.0047
1,1,1,2-Tetrachloroethane	0.00		0.0047	0.0047



(MNI) 1652340-02-01 15:21:13:25 (MNI) 1652340-02-01 15:21:13:25

Analyte	Spike Amount	LCS Result	LCSD Result	LCS R4%	LCSD R4%	Res. Limit	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Acetylene	0.00	0.00	0.00	0.00	0.00	0.07			0.00	0.07
Carbon tetrachloride	0.00	0.00	0.00	0.00	0.00	0.0007			0.00	0.0007
Chloroform	0.00	0.00	0.00	0.00	0.00	0.0047			0.00	0.0047
1,1-Dichloroethane	0.00	0.00	0.00	0.00	0.00	0.0047			0.00	0.0047
1,1,1-Trichloroethane	0.00	0.00	0.00	0.00	0.00	0.0047			0.00	0.0047
1,1,2-Trichloroethane	0.00	0.00	0.00	0.00	0.00	0.0047			0.00	0.0047
Tetrachloroethene	0.00	0.00	0.00	0.00	0.00	0.0047			0.00	0.0047
Vinyl chloride	0.00	0.00	0.00	0.00	0.00	0.0047			0.00	0.0047
1,2-Dichloroethane	0.00	0.00	0.00	0.00	0.00	0.0047			0.00	0.0047
1,1,1,2-Tetrachloroethane	0.00	0.00	0.00	0.00	0.00	0.0047			0.00	0.0047
1,1,2,2-Tetrachloroethane	0.00	0.00	0.00	0.00	0.00	0.0047			0.00	0.0047

WG1652042

QUALITY CONTROL SUMMARY

Chlorinated Acid Herbicides (GL) by Method 8151A

134475-02

134475-02

(MB) R3642835-1 04/16/21 07:05

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
2,4-D	0.000		0.0005	0.0010
2,4,5-T ⁺ (Silvex)	0.000		0.00067	0.0013
(S)-2,4-Dichlorophenoxy Acetic Acid	0.000		0.0005	0.0010

(CS) R3642835-2 04/16/21 01:19

Analyte	Spike Amount	LCS Result	LCS Rec. %	Rec. Limits	LCS Qualifier
2,4-D	1.0500	0.0124	94.3	50.0-100	
2,4,5-T ⁺ (Silvex)	1.0500	0.0337	78.0	50.0-100	
(S)-2,4-Dichlorophenoxy Acetic Acid			97.6	50.0-100	



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WG1651588

Pesticides (GC) by Method 8081B

QUALITY CONTROL SUMMARY

L1335878-02

Method: 8081B

(MB) R3643946-1 (04/20/21) 03-37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Gamma-BHC	0.0000		0.0000	0.0000
Endrin	0.0000		0.0000	0.0000
Heptachlor	0.0000		0.0000	0.0000
Methoxychlor	0.0000		0.0000	0.0000
Dieldrin	0.0000		0.0000	0.0000
Tri-naphthalene	0.0000		0.0000	0.0000
(S) Permethrin phenyl	0.0000		0.0000	0.0000
(S) Tetrahydro-m-xylene	0.0000		0.0000	0.0000

(LCS) R3643946-2 (04/20/21) 04-21

Analyte	Spike Amount	LCS Result	LCS Rec	Rec. Limit	LCS Qualifier
Gamma-BHC	0.0000	0.0090	96.4	55.0-129	
Endrin	0.0000	0.0096	96.7	57.0-134	
Heptachlor	0.0000	0.0078	78.7	27.0-63	
Methoxychlor	0.0000	0.0083	83.0	24.0-55	
(S) Permethrin phenyl	0.0000	0.0040	40.0	13.0-30	
(S) Tetrahydro-m-xylene	0.0000	0.0030	30.0	10.0-22	



WG1651844

QUALITY CONTROL SUMMARY

Environmental Organic Compounds (GC-MS) by Method 8270a

L1335878-02

11/15/2011 10:48

MB1 R1641381-1 04/15/11 10:48

Analyte	MB Result	MB Qualifier	MB MDL	MB RUI
1,4-Dichlorobenzene	0.00	0.00	0.00	0.00
2,4-Dinitrotoluene	0.00	0.00	0.00	0.00
Hexachlorobenzene	0.00	0.00	0.00	0.00
Hexachloro-1,3-butadiene	0.00	0.00	0.00	0.00
Hexachlorocyclopentadiene	0.00	0.00	0.00	0.00
Nitrobenzene	0.00	0.00	0.00	0.00
Pyrene	0.00	0.00	0.00	0.00
2-Methylphenol	0.00	0.00	0.00	0.00
3,4-Methylphenol	0.00	0.00	0.00	0.00
1-methyl-2-naphthol	0.00	0.00	0.00	0.00
2,4,6-Trichlorophenol	0.00	0.00	0.00	0.00
5-Nitro-2-naphthol	0.00	0.00	0.00	0.00
6-Nitro-2-naphthol	0.00	0.00	0.00	0.00
1-methyl-2-naphthol	0.00	0.00	0.00	0.00
1-methyl-3-naphthol	0.00	0.00	0.00	0.00
1-methyl-4-naphthol	0.00	0.00	0.00	0.00
1-methyl-5-naphthol	0.00	0.00	0.00	0.00
1-methyl-6-naphthol	0.00	0.00	0.00	0.00
1-methyl-7-naphthol	0.00	0.00	0.00	0.00
1-methyl-8-naphthol	0.00	0.00	0.00	0.00



13 SP1364238-1 04/15/11 10:26

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
1,4-Dichlorobenzene	0.00	0.00	0.00	0.00-0.00	0.00
2,4-Dinitrotoluene	0.00	0.00	0.00	0.00-0.00	0.00
Hexachlorobenzene	0.00	0.00	0.00	0.00-0.00	0.00
Hexachloro-1,3-butadiene	0.00	0.00	0.00	0.00-0.00	0.00
Hexachlorocyclopentadiene	0.00	0.00	0.00	0.00-0.00	0.00
Nitrobenzene	0.00	0.00	0.00	0.00-0.00	0.00
Pyrene	0.00	0.00	0.00	0.00-0.00	0.00
2-Methylphenol	0.00	0.00	0.00	0.00-0.00	0.00
3,4-Methylphenol	0.00	0.00	0.00	0.00-0.00	0.00
1-methyl-2-naphthol	0.00	0.00	0.00	0.00-0.00	0.00
2,4,6-Trichlorophenol	0.00	0.00	0.00	0.00-0.00	0.00
5-Nitro-2-naphthol	0.00	0.00	0.00	0.00-0.00	0.00
6-Nitro-2-naphthol	0.00	0.00	0.00	0.00-0.00	0.00
1-methyl-2-naphthol	0.00	0.00	0.00	0.00-0.00	0.00
1-methyl-3-naphthol	0.00	0.00	0.00	0.00-0.00	0.00
1-methyl-4-naphthol	0.00	0.00	0.00	0.00-0.00	0.00
1-methyl-5-naphthol	0.00	0.00	0.00	0.00-0.00	0.00
1-methyl-6-naphthol	0.00	0.00	0.00	0.00-0.00	0.00
1-methyl-7-naphthol	0.00	0.00	0.00	0.00-0.00	0.00
1-methyl-8-naphthol	0.00	0.00	0.00	0.00-0.00	0.00

W61651844

QUALITY CONTROL SUMMARY

L1335878-02

(LCS) R36+2381-1 04/15/21 13:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
(S) Pheno-d5			21.1	10.0-120	
(S) 2-Fluorophenol			33.4	10.0-120	
(S) 2,4,6-Tribromophenol			75.5	10.0-155	

Cn

Gt

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Discrepancies: Information that may be provided by the customer and contained within this report include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample (this will only be present on a dry report basis for soils)
MDL	Method Detection Limit
ND	Not detected at the Reporting Limit (or MDL where applicable)
RDL	Reported Detection Limit
RDL (d)	Reported Detect or Limit
Rec	Recovery
RPD	Relative Percent Difference
SDG	Sample Delivery Group
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate, used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media
U	Not detected at the Reporting Limit (or MDL where applicable)
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.
Qualifier	Description
I	The identification of the analyte is acceptable, the reported value is an estimate.
T8	Sample(s) received past/too close to holding time expiration.

ACCREDITATIONS & LOCATIONS

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2937	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW2704
Georgia	NELAP	North Carolina ¹	41
Georgia	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200002	Oklahoma	9915
Indiana	C-IN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84064002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	1104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	99809390
Montana	CERT0086	Wyoming	AZLA
A2.A - ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2.A - ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330 15-00214
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical

CLIENT: Poly Pace L# L1335878-03
 DATE ON: 4/8/2021 DATE OFF: 4/9/2021

Sample No.
1
2
3
4
5
6
7

Dilution	ml filtered
A	0.001
B	0.0001
C	0.00001
D	0.000001

Data entered into excel spreadsheet by: CM
 <---Highest dilution (If not all samples share the same dil. Then must change dilution below to make the calculation correct)
 **Enter data into areas that are in blue font.

sample type: **cake**

MPN/mL From Table 4 Method 1681

Sample No.	Combination of Positives			MPN/mL	Dilution	MPN Result
1	5	4	1	17.24	0.001	104740.2
2						#DIV/0!
3						#DIV/0!
4						#DIV/0!
5						#DIV/0!
6						#DIV/0!
7						#DIV/0!

Log Values
 5.020113473
 #DIV/0!
 #DIV/0!
 #DIV/0!
 #DIV/0!
 #DIV/0!
 #DIV/0!
 #DIV/0!

GEO MEAN #DIV/0!

[FCMPN/g] =
$$\frac{\text{(MPN/1mL) From Table 4}}{\text{(Largest Vol tested) X (\% total solids-expressed as a decimal)}}$$

% Total Solids = (expressed as a decimal)
$$\frac{\text{Dry wt - Initial wt}}{\text{Wet wt - Initial wt}}$$

Sample #	Percent Total Solids			% Solids (expressed as a decimal)	Amount required	Weight used
	Initial Weight	Wet Weight	Dry weight			
1	1.2692	8.68437	2.48972	0.16	30.0	30.01129
2				#DIV/0!	30.0	

BIO-05
 Revision 2
 4/21/2020

Class B Fecal Coliform Analysis by MPN- EPA 1681

[Liquid or (Solid)]

ESC Sample #: L133585-23 2700g x 18-03
 Final pH must be between 7.0-7.5 and must be measured in the 15% of TC at NaOH pH 12.0 ml

Client Name: 2014

Set up 35 deg	Move to 44.5 deg	Test end info
Date/Time: 4-3-2018 14:56	Date/Time: 4-3-2018 17:56	Date/Time: 4-4-2018 7:30
Temp: 35	Temp: 44.5	Temp: 44.5
Analyst: AM (M)	Analyst: CM	Analyst: CM
Combination of Positive: 0-0-0 @ 0.001		
MPN/mL from table: < 0.18		

Set up 35 deg	Move to 44.5 deg	Test end info
Date/Time: 4-3-2018 17:56	Date/Time: 4-3-2018 17:56	Date/Time: 4-4-2018 7:30
Temp: 35	Temp: 44.5	Temp: 44.5
Analyst: AM (M)	Analyst: CM	Analyst: CM
Combination of Positive: 5-7-0 @ 0.001		
MPN/mL from table: 4.43		

Set up 35 deg	Move to 44.5 deg	Test end info
Date/Time: 4-3-2018 17:56	Date/Time: 4-3-2018 17:56	Date/Time: 4-4-2018 7:30
Temp: 35	Temp: 44.5	Temp: 44.5
Analyst: AM (M)	Analyst: CM	Analyst: CM
Combination of Positive: 5-4-1 @ 0.001		
MPN/mL from table: 17.24		

Set up 35 deg	Move to 44.5 deg	Test end info
Date/Time:	Date/Time:	Date/Time:
Temp:	Temp:	Temp:
Analyst:	Analyst:	Analyst:
Combination of Positive:		
MPN/mL from table:		

Set up 35 deg	Move to 44.5 deg	Test end info
Date/Time:	Date/Time:	Date/Time:
Temp:	Temp:	Temp:
Analyst:	Analyst:	Analyst:
Combination of Positive:		
MPN/mL from table:		

Set up 35 deg	Move to 44.5 deg	Test end info
Date/Time:	Date/Time:	Date/Time:
Temp:	Temp:	Temp:
Analyst:	Analyst:	Analyst:
Combination of Positive:		
MPN/mL from table:		

Set up 35 deg	Move to 44.5 deg	Test end info
Date/Time:	Date/Time:	Date/Time:
Temp:	Temp:	Temp:
Analyst:	Analyst:	Analyst:
Combination of Positive:		
MPN/mL from table:		

10ml water (100% of sample)	1% (10,000x)	0.1% (100,000x)	0.01% (1,000,000x)	Initial pH	Final pH	Method Blank	Negative Con	Positive Con	MPN Result
0	1	1	1				0/0	0	+
1	1	1	1				0/0	+	1.18
1	1	1	1				0/0	+	1.18
1,000x	10,000x	100,000x	1,000,000x						
1,000x	10,000x	100,000x	1,000,000x						
1,000x	10,000x	100,000x	1,000,000x						
1,000x	10,000x	100,000x	1,000,000x						
1,000x	10,000x	100,000x	1,000,000x						
1,000x	10,000x	100,000x	1,000,000x						

notes Positive tube
 notes Negative tube

Total Solids Analysis

(30g +/- .1g)

Sample	Dish Label	Initial wt	Wet wt	Dry wt	%Tot Solids	Amt used (g)
Sample #1				1.1150		
Sample #2				2.89743	2.22	
Sample #3						
Sample #4						
Sample #5						
Sample #6						
Sample #7						

^(only need for OPR or MS)

Media/Reagents Lot #

Exp date

^TSA Slant Lot #:		
^1% LTB Lot #:		
A1 medium Lot #:		
Phosphate Buffer:		
Positive Control: <i>E.coli</i>		
Negative Control:		
<i>E.aerogenes</i>		
NaOH Lot:		
HCl Lot:		

Omussee Creek WWTP Paint Filter Test Bench Log

EPA Method 9095B

* FLP = Free Liquids Present

* FLA = Free Liquids Absent

503/Drying Bed #	Test Date	Test Time	* Test # 1	* Test # 2	Initial
DB6	3/24/20	7:23 AM	FLA	FLA	JM
DB6	4/10/20	10:20 AM	FLA	FLA	MH
DB6	5/16/20	9:25 AM	FLA	FLA	MH
DB6	5/25/20	12:40 PM	FLA	FLA	J.W.
DB2	6-1-20	1:50 pm	FLA	FLA	SS
DB3	6-14-20	2:30 pm	FLA	FLA	SS
DB3	7-1-20	7:00 AM	FLA	FLA	SS
DB3	7-25-20	5:15 PM	FLA	FLA	R.H.
DB3	8/7/20	7:00 PM	FLA	FLA	MH
DB1	9/3/20	11:30 pm	FLA	FLA	MH
DB3	9/7/20	1:00 pm	FLA	FLA	MH
DB2	9/8/20	10:20 AM	FLA	FLA	MH
DB3	9/29/20	7:00 AM	FLA	FLA	MH
DB6	9-30-20	8:00 AM	FLA	FLA	R.H.
DB3	10/13/20	2:05 AM	FLA	FLA	MH
DB3	10/27/20	6:50 AM	FLA	FLA	MH
DB3	11-7-20	10:00 AM	FLA	FLA	MH
DB1	12/11/20	7:45 AM	FLA	FLA	R.H.
DB3	12/13/20	1:00 PM	FLA	FLA	MH
DB3	12-29-20	9:20 AM	FLA	FLA	SS
DB3	1-19-2021	8:00 AM	FLA	FLA	MH
DB3	2-2-2021	8:40 AM	FLA	FLA	MH
DB3	2-21-21	11:00 AM	FLA	FLA	MH
DB3	3-5-21	16:40 PM	FLA	FLA	SS
DB3	3-24-21	7:28 AM	FLA	FLA	MH
Press. St.	4-6-21	9:00 AM	FLA	FLA	SS
DB3	4-26-21	6:35 AM	FLA	FLA	MH
DB2	4-30-21	7:35 AM	FLA	FLA	SS
DB3	5-15-21	10:10 AM	FLA	FLA	MH
DB1	5-20-21	6:30 AM	FLA	FLA	MH
DB3	5-24-21	10:40 AM	FLA	FLA	MH
DB3	6-4-21	8:00 AM	FLA	FLA	MH
DB3	6-25-21	10:10 AM	FLA	FLA	SS
DB3	7/27/21	10:25 PM	FLA	FLA	R.H.
DB3	8/13/21	8:30 AM	FLA	FLA	MH
DB3	8/30/21	9:47 AM	FLA	FLA	MH
DB3	9/14/21	8:15 AM	FLA	FLA	MH
DB3	9/28/21	7:45 AM	FLA	FLA	MH
DB3	10/12/21	8:00 AM	FLA	FLA	MH
DB3	10/23/21	4:00 PM	FLA	FLA	MH

TC
S.S.



Dobhan Utilities
Paint Filter Sample Chain Of Custody

Custody Transfer	Signature	Date	Time	For Lab Use Only	Yes	No	N/A
Sample Collector	<i>Celkey Dyke</i>			Within Holding Time	X		
Sample Collector Relinquished				Preserved Correctly	X		
Received By				Sufficient Volume	X		
Relinquished By				Container Leaking		X	
Received By				Correct Container		X	
Relinquished By				Label Agrees w/Chain of Custody		X	

Comments:

(503) Pressed Sludge ✓ Drying Bed	Sample Type	Container Size & Number	Preservative	Sample		Test Parameter						
				Collection Date	Collection Time	Paint Filter						
Pressed Sludge ^{Top}	Comp	1 Qt	iced	4/6/2021	9:50 AM	X						
	Comp	1 Qt	iced			X						
	Comp	1 Qt	iced			X						
	Comp	1 Qt	iced			X						



AmeriSci Richmond

13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Polyenvironmental Corporation Env Lab
Attn: Lyn Buntin
1885 Headland Avenue, Box 837

Date Received 06/21/19
Date Examined 06/21/19

AmeriSci Job # 119061893
P.O. #
Page 1 **of** 1

RE: City Of Dothan; Omussee Creek

Dothan, AL 36303

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
322291 Location: Septic / Fog	119061893-01	No	NAD (by CVES) by Jean L. Mayes on 06/21/19
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 1 %, Non-fibrous 99 %			
322292 Location: Vactor Truck	119061893-02	No	NAD (by CVES) by Jean L. Mayes on 06/21/19
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Animal hair 1 %, Cellulose 1 %, Non-fibrous 98 %			
322277 Location:	119061893-03	No	NAD (by CVES) by Jean L. Mayes on 06/21/19
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Synthetic fibers 1 %, Non-fibrous 99 %			

Reporting Notes:

Analyzed by: Jean L. Mayes

Date: 6/21/2019 Reviewed by:

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

PRESSED SLUDGE CHAIN OF CUSTODY - CITY OF DOTHAN - LITTLE CHOCTAWHATCHEE WWTP 119061893

Plant Name	Little Choctawhatchee WWTP	CUSTODY TRANSFERS	SIGNED	DATE	TIME
NPDES Permit No.	AL0047465	Sample Collector:	<i>Jim McCoy</i>		
Comments: * Seven Individual daily composite samples are to be saved for the 503 P.C.		Sample Coll. Relinquished By:	<i>Jim McCoy</i>	6/19/19	5:43 am
This is sample # ___ of seven samples. These samples shall be blended into a single		Received By:	<i>[Signature]</i>	6-19-19	5:43z
quart composite upon completion of sampling.		Relinquished By:	<i>[Signature]</i>	6-19-19	6:15z
Comments:		Received By:	<i>Hydra Dornick</i>	6/19/19	0615
<i>Asbestos</i>		Relinquished By:			
		Received By:			
		Relinquished By:			
		Received By:			
		Relinquished By:			

Sample ID	Sample Method		Number of Samples	Preservatives & type container	Daily Composite Collection Started		Daily Composite Collection Stopped		Save Sample Y/N	TEST PARAMETERS (See Note In Comments)
	Grab	Comp			Date	Time	Date	Time		
Combined Pressed Sludge Sample ID#		x	1	Iced Quart Bag	6/18/19	4 pm	6/18/19	5 pm	X	RECEIVED JUN 21 2019 By <i>AWBYT</i>
<i>Asbestos</i>										<i>322277</i>

Changed %TS to ASbestos

FOR LAB USE ONLY										
Within Holding Time	Y	N	N/A	Appropriate Container	N	N/A				INT
Preserved Correctly	Y	N	N/A	Container Labeled	N	N/A	Operator in charge has inspected samples			CD
Sufficient Amount Of Sample	<u>Y</u>	N	N/A	Sample Label Agrees With Chain Of Custody	N	N/A	Operator in Charge verifies all information is correct			CD
Container Broken Or Leaking	Y	<u>N</u>	N/A				Is the plant experiencing any abnormality			N