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DIRECTOR



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GOVERNOR

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adem.alabama.gov

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NOV 30 2016

Honorable Gary W. Davenport, Mayor
Town of Eclectic
507 Main Street
Eclectic, AL 36024

RE: Draft Permit
NPDES Permit No. AL0067903
Eclectic Lagoon and Sprayfield
Elmore County, Alabama

Dear Mayor Davenport:

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 Part I.C.1.c of your permit requires that you apply for participation in the Department's web-based electronic environmental (E2) reporting system for submittal of DMRs immediately upon issuance of this permit unless valid justification as to why you cannot participate is submitted in writing. After issuance of the permit, hard copy DMRs may be used only with the written approval from the Department. The E2 Program allows ADEM to electronically validate, acknowledge receipt, and upload data to the state's central wastewater database. This improves the accuracy of reported compliance data and reduces costs to both the regulated community and ADEM. The Permittee Participation Package may be downloaded online at <https://e2.adem.alabama.gov/npdes> or you may obtain a hard copy by submitting a written request or by emailing e2admin@adem.alabama.gov.

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 by email at storbort@adem.alabama.gov or by phone at (334) 271-7800.

Sincerely,

A handwritten signature in black ink, appearing to read "Shanda Torbert".

Shanda Torbert
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

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

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



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

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



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PERMITTEE: TOWN OF ECLECTIC
507 MAIN STREET
ECLECTIC, ALABAMA 36024

FACILITY LOCATION: ECLECTIC LAGOON AND SPRAYFIELD (0.20) MGD
700 SOUTH COLLEGE STREET
ECLECTIC, ALABAMA
ELMORE COUNTY

PERMIT NUMBER: AL0067903

RECEIVING WATERS: GROUNDWATER (0011, MW11, MW21, MW31, MW41)
UT TO TUMKEEHATCHEE CREEK (002S)
UT TO TUMKEEHATCHEE CREEK (003U)
UT TO TUMKEEHATCHEE CREEK (004D)

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:

Revoke and Reissue

Alabama Department of Environmental Management

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

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ATTACHMENT:
FORM 421

NON-COMPLIANCE NOTIFICATION FORM

PART I DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

1. Outfall 0011 Discharge Limits - Land Application

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	Discharge Limitations*						Monitoring Requirements**				
	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Minimum	Daily Maximum	Percent Removal	(1) Sample Location	(2) Sample Type	(3)(7) Measurement Frequency	(4) Seasonal
pH	*****	*****	*****	*****	6.0 S.U.	8.5 S.U.	*****	E	GRAB	G	*****
Solids, Total Suspended	REPORT lbs/day	REPORT lbs/day	60.0 mg/l	90.0 mg/l	*****	*****	*****	E	GRAB	G	*****
Solids, Total Suspended	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	*****	*****	*****	I	GRAB	G	*****
Nitrogen, Total (As N)	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	*****	*****	*****	E	GRAB	G	*****
Nitrogen, Ammonia Total (As N)	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	*****	*****	*****	E	GRAB	G	*****
Nitrogen, Nitrate Total (As N)	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	*****	*****	*****	E	GRAB	G	*****
Nitrogen, Kjeldahl Total (As N)	REPORT lbs/day	REPORT lbs/day	30.0 mg/l	45.0 mg/l	*****	*****	*****	E	GRAB	G	*****
Phosphorus, Total (As P)	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	*****	*****	*****	E	GRAB	G	*****
Flow, In Conduit or Thru Treatment Plant	REPORT MGD	*****	*****	*****	*****	REPORT MGD	*****	E	CONTIN	A See Note 5	*****
Flow, In Conduit or Thru Treatment Plant	REPORT MGD	*****	*****	*****	*****	REPORT MGD	*****	I	CONTIN	A See Note 6	*****

* See Part II.C.1. (Bypass); Part II.C.2. (Upset); Part IV.C (Other Requirements for Land Application)

** Monitoring Requirements

(1) Sample Location

I - Influent

E - Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration

from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

(2) Sample Type:

CONTIN - Continuous

INSTAN - Instantaneous

COMP-8 - 8-Hour Composite

COMP24 - 24-Hour Composite

GRAB - Grab

CALCTD - Calculated

(3) Measurement Frequency: See also Part I.B.2.

A - 7 days per week F - 2 days per month

B - 5 days per week G - 1 day per month

C - 3 days per week H - 1 day per quarter

D - 2 days per week J - Annual

E - 1 day per week Q - For Effluent Toxicity

Testing, see Provision IV.B.

(4) Seasonal Limits:

S = Summer (April - October)

W = Winter (November - March)

ECS = E. coli Summer (June - September)

ECW = E. coli Winter (October - May)

(5) Flow to the spray field.

(6) Flow to the holding pond.

(7) If only one sampling event occurs during the month, the sample result shall be reported on the DMR as both the monthly average, weekly average, and/or the daily maximum.

Limits for Outfall 0011 continued on the next page.

2. Outfall 0011 Discharge Limits - Land Application (continued)

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	Discharge Limitations*					Monitoring Requirements**					
	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Minimum	Daily Maximum	Percent Removal	(1) Sample Location	(2) Sample Type	(3)(7) Measurement Frequency	(4) Seasonal
Coliform, Fecal General 74055 1 0 0	*****	*****	2000 col/100mL	*****	*****	4000 col/100mL	*****	E	GRAB	G	
BOD, Carbonaceous 05 Day, 20C 80082 1 0 0	REPORT lbs/day	REPORT lbs/day	45.0 mg/l	67.5 mg/l	*****	*****	*****	E	GRAB	G	*****
BOD, Carbonaceous 05 Day, 20C 80082 G 0 0	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	*****	*****	*****	I	GRAB	G	*****

* See Part II.C.1. (Bypass); Part II.C.2. (Upset); Part IV.C. (Other Requirements for Land Application)

** Monitoring Requirements

(1) Sample Location

I - Influent

E - Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

(2) Sample Type:

CONTIN - Continuous

INSTAN - Instantaneous

COMP-8 - 8-Hour Composite

COMP24 - 24-Hour Composite

GRAB - Grab

CALCTD - Calculated

(3) Measurement Frequency: See also Part I.B.2.

A - 7 days per week F - 2 days per month

B - 5 days per week G - 1 day per month

C - 3 days per week H - 1 day per quarter

D - 2 days per week J - Annual

E - 1 day per week Q - For Effluent Toxicity Testing, see Provision IV.B.

(4) Seasonal Limits:

S = Summer (April - October)

W = Winter (November - March)

ECS = E. coli Summer (June - September)

ECW = E. coli Winter (October - May)

(7) If only one sampling event occurs during the month, the sample result shall be reported on the DMR as both the monthly average, weekly average, and/or the daily maximum.

3. Outfall 002S Discharge Limits - Storm water monitoring

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 stormwater outfall located at the sprayfield. Such discharge shall be limited and monitored by the Permittee as specified below:

Parameter	Discharge Limitations*					Monitoring Requirements**					
	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Minimum	Daily Maximum	Percent Removal	(1) Sample Location	(2) Sample Type	(3) Measurement Frequency	(4) Seasonal
pH	*****	*****	*****	*****	REPORT S.U.	REPORT S.U.	*****	E	GRAB	H	*****
00400 1 0 0	*****	*****	*****	*****	*****	REPORT S.U.	*****	E	GRAB	H	*****
Solids, Total Suspended	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	H	*****
00530 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	H	*****
Nitrogen, Ammonia Total (As N)	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	H	*****
00610 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	H	*****
Nitrogen, Kjeldahl Total (As N)	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	H	*****
00625 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	H	*****
Nitrite Plus Nitrate Total (As N)	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	H	*****
00630 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	H	*****
Phosphorus, Total (As P)	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	H	*****
00665 1 0 0	*****	*****	*****	*****	*****	REPORT MGD	*****	E	CALCTD	H	*****
Flow, In Conduit or Thru Treatment Plant	*****	*****	*****	*****	*****	REPORT col/100mL	*****	E	GRAB	H	*****
50050 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	H	*****
E. Coli	*****	*****	*****	*****	*****	*****	*****	E	GRAB	H	*****
51040 1 0 0	*****	*****	*****	*****	*****	*****	*****	E	GRAB	H	*****
BOD Carbonaceous 05 Day, 20C	*****	*****	*****	*****	*****	*****	*****	E	GRAB	H	*****
80082 1 0 0	*****	*****	*****	*****	*****	*****	*****	E	GRAB	H	*****

* See Part II.C.1. (Bypass); Part II.C.2. (Upset)

** Monitoring Requirements

(1) Sample Location

I - Influent

E - Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration

from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

(2) Sample Type:

CONTIN - Continuous

INSTAN - Instantaneous

COMP-8 - 8-Hour Composite

COMP24 - 24-Hour Composite

GRAB - Grab

CALCTD - Calculated

(3) Measurement Frequency: See also Part I.B.2.

A - 7 days per week F - 2 days per month

B - 5 days per week G - 1 day per month

C - 3 days per week H - 1 day per quarter

D - 2 days per week J - Annual

E - 1 day per week Q - For Effluent Toxicity

Testing, see Provision IV.B.

(4) Seasonal Limits:

S = Summer (April - October)

W = Winter (November - March)

ECS = E. coli Summer (June - September)

ECW = E. coli Winter (October - May)

4. Outfall 003U Discharge Limits - Surface Stream Monitoring Upstream

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee shall monitor at Outfall 003U as specified below:

Parameter	Discharge Limitations*					Monitoring Requirements**					
	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Minimum	Daily Maximum	Percent Removal	(1) Sample Location	(2) Sample Type	(3) Measurement Frequency	(4) Seasonal
Oxygen, Dissolved (DO) 00300 1 0 0	*****	*****	*****	*****	REPORT mg/l	*****	*****	US	GRAB	H	*****
pH 00400 1 0 0	*****	*****	*****	*****	REPORT S.U.	REPORT S.U.	*****	US	GRAB	H	*****
Solids, Total Suspended 00530 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	US	GRAB	H	*****
Nitrogen, Ammonia Total (As N) 00610 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	US	GRAB	H	*****
Nitrogen, Kjeldahl Total (As N) 00625 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	US	GRAB	H	*****
Nitrite Plus Nitrate Total (As N) 00630 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	US	GRAB	H	*****
Phosphorus, Total (As P) 00665 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	US	GRAB	H	*****
E. Coli 51040 1 0 0	*****	*****	*****	*****	*****	REPORT col/100mL	*****	US	GRAB	H	*****
BOD, Carbonaceous 05 Day, 20C 80082 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	US	GRAB	H	*****

* See Part II.C.1. (Bypass); Part II.C.2. (Upset)

** Monitoring Requirements

(1) Sample Location

I - Influent

E - Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration

from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

US - Upstream

(2) Sample Type:

CONTIN - Continuous

INSTAN - Instantaneous

COMP-8 - 8-Hour Composite

COMP24 - 24-Hour Composite

GRAB - Grab

CALCTD - Calculated

(3) Measurement Frequency: See also Part I.B.2.

A - 7 days per week F - 2 days per month

B - 5 days per week G - 1 day per month

C - 3 days per week H - 1 day per quarter

D - 2 days per week J - Annual

E - 1 day per week Q - For Effluent Toxicity

Testing, see Provision IV.B.

(4) Seasonal Limits:

S = Summer (April - October)

W = Winter (November - March)

ECS = E. coli Summer (June - September)

ECW = E. coli Winter (October - May)

5. Outfall 004D Discharge Limits - Surface Stream Monitoring Downstream

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee shall monitor at Outfall 004D as specified below:

Parameter	Discharge Limitations*						Monitoring Requirements**				
	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Minimum	Daily Maximum	Percent Removal	(1) Sample Location	(2) Sample Type	(3) Measurement Frequency	(4) Seasonal
Oxygen, Dissolved (DO) 00300 0 0	*****	*****	*****	*****	REPORT mg/l	*****	*****	DS	GRAB	H	*****
pH 00400 0 0	*****	*****	*****	*****	REPORT S.U.	*****	*****	DS	GRAB	H	*****
Solids, Total Suspended 00530 0 0	*****	*****	*****	*****	*****	*****	*****	DS	GRAB	H	*****
Nitrogen, Ammonia Total (As N) 00610 0 0	*****	*****	*****	*****	*****	*****	*****	DS	GRAB	H	*****
Nitrogen, Kjeldahl Total (As N) 00625 0 0	*****	*****	*****	*****	*****	*****	*****	DS	GRAB	H	*****
Nitrite Plus Nitrate Total (As N) 00630 0 0	*****	*****	*****	*****	*****	*****	*****	DS	GRAB	H	*****
Phosphorus, Total (As P) 00665 0 0	*****	*****	*****	*****	*****	*****	*****	DS	GRAB	H	*****
E. Coli 51040 0 0	*****	*****	*****	*****	*****	REPORT col/100mL	*****	DS	GRAB	H	*****
BOD, Carbonaceous 05 Day, 20C 80082 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	DS	GRAB	H	*****

* See Part II.C.1. (Bypass); Part II.C.2. (Upset)

** Monitoring Requirements

(1) Sample Location

I - Influent

E - Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration

from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

DS - Downstream

(2) Sample Type:

CONTIN - Continuous

INSTAN - Instantaneous

COMP-8 - 8-Hour Composite

COMP24 - 24-Hour Composite

GRAB - Grab

CALCTD - Calculated

(3) Measurement Frequency: See also Part I.B.2.

A - 7 days per week F - 2 days per month

B - 5 days per week G - 1 day per month

C - 3 days per week H - 1 day per quarter

D - 2 days per week J - Annual

E - 1 day per week Q - For Effluent Toxicity

Testing, see Provision IV.B.

(4) Seasonal Limits:

S = Summer (April - October)

W = Winter (November - March)

ECS = E. coli Summer (June - September)

ECW = E. coli Winter (October - May)

6. Outfall MW11 Discharge Limits - Monitoring Well #1

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee shall monitor at Outfall MW11 as specified below:

Parameter	Discharge Limitations*				Monitoring Requirements**						
	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Minimum	Daily Maximum	Percent Removal	(1) Sample Location	(2) Sample Type	(3) Measurement Frequency	(4) Seasonal
Nitrogen, Total (As N) 00600 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Nitrogen, Ammonia Total (As N) 00610 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Nitrogen, Nitrite Total (As N) 00615 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Nitrogen, Nitrate Total (As N) 00620 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Phosphorus, Total (As P) 00665 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Carbon, Tot Organic (TOC) 00680 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Methylene Blue Active Substances 47021 1 0 0	*****	*****	*****	*****	*****	REPORT µg/l	*****	E	GRAB	See Note 5	*****
E. Coli 51040 1 0 0	*****	*****	*****	*****	*****	REPORT col/100mL	*****	E	GRAB	See Note 5	*****
Coliform, Fecal General 74055 1 0 0	*****	*****	*****	*****	*****	REPORT col/100mL	*****	E	GRAB	See Note 5	*****
Water Level At Samp. Collection Time 85327 1 0 0	*****	*****	*****	*****	*****	REPORT feet	*****	E	GRAB	See Note 5	*****

* See Part II.C.1. (Bypass); Part II.C.2. (Upset)

** Monitoring Requirements

(1) Sample Location

I - Influent

E - Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration

from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

(2) Sample Type:

CONTIN - Continuous

INSTAN - Instantaneous

COMP-8 - 8-Hour Composite

COMP24 - 24-Hour Composite

GRAB - Grab

CALCTD - Calculated

(3) Measurement Frequency: See also Part I.B.2.

A - 7 days per week

B - 5 days per week

C - 3 days per week

D - 2 days per week

E - 1 day per week

F - 2 days per month

G - 1 day per month

H - 1 day per quarter

J - Annual

Q - For Effluent Toxicity Testing, see Provision IV.B.

(4) Seasonal Limits:

S = Summer (April - October)

W = Winter (November - March)

ECS = E. coli Summer (June - September)

ECW = E. coli Winter (October - May)

(5) Semiannual Groundwater Monitoring is required in accordance with Part IV.C. during the months of March and September.

7. Outfall MW21 Discharge Limits - Monitoring Well #2

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee shall monitor at Outfall MW21 as specified below:

Parameter	Discharge Limitations*					Daily Minimum	Daily Maximum	Percent Removal	Monitoring Requirements**			
	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Monthly Average				(1) Sample Location	(2) Sample Type	(3) Measurement Frequency	(4) Seasonal
Nitrogen, Total (As N) 00600 1 0 0	*****	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Nitrogen, Ammonia Total (As N) 00610 1 0 0	*****	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Nitrogen, Nitrite Total (As N) 00615 1 0 0	*****	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Nitrogen, Nitrate Total (As N) 00620 1 0 0	*****	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Phosphorus, Total (As P) 00665 1 0 0	*****	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Carbon, Tot Organic (TOC) 00680 1 0 0	*****	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Methylene Blue Active Substances 47021 1 0 0	*****	*****	*****	*****	*****	*****	REPORT µg/l	*****	E	GRAB	See Note 5	*****
E. Coli 51040 1 0 0	*****	*****	*****	*****	*****	*****	REPORT col/100mL	*****	E	GRAB	See Note 5	*****
Coliform, Fecal General 74055 1 0 0	*****	*****	*****	*****	*****	*****	REPORT col/100mL	*****	E	GRAB	See Note 5	*****
Water Level At Samp. Collection Time 85327 1 0 0	*****	*****	*****	*****	*****	*****	REPORT feet	*****	E	GRAB	See Note 5	*****

* See Part II.C.1. (Bypass); Part II.C.2. (Upset)

** Monitoring Requirements

(1) Sample Location

I - Influent

E - Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration

from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

(2) Sample Type:

CONTIN - Continuous

INSTAN - Instantaneous

COMP-8 - 8-Hour Composite

COMP24 - 24-Hour Composite

GRAB - Grab

CALCTD - Calculated

(3) Measurement Frequency: See also Part I.B.2.

A - 7 days per week F - 2 days per month

B - 5 days per week G - 1 day per month

C - 3 days per week H - 1 day per quarter

D - 2 days per week J - Annual

E - 1 day per week Q - For Effluent Toxicity

Testing, see Provision IV.B.

(4) Seasonal Limits:

S = Summer (April - October)

W = Winter (November - March)

ECS = E. coli Summer (June - September)

ECW = E. coli Winter (October - May)

(5) Semiannual Groundwater Monitoring is required in accordance with Part IV.C. during the months of March and September.

8. Outfall MW31 Discharge Limits - Monitoring Well #3

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee shall monitor at Outfall MW31 as specified below:

Parameter	Discharge Limitations*					Monitoring Requirements**					
	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Minimum	Daily Maximum	Percent Removal	(1) Sample Location	(2) Sample Type	(3) Measurement Frequency	(4) Seasonal
Nitrogen, Total (As N) 00600 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Nitrogen, Ammonia Total (As N) 00610 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Nitrogen, Nitrite Total (As N) 00615 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Nitrogen, Nitrate Total (As N) 00620 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Phosphorus, Total (As P) 00665 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Carbon, Tot Organic (TOC) 00680 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Methylene Blue Active Substances 47021 1 0 0	*****	*****	*****	*****	*****	REPORT µg/l	*****	E	GRAB	See Note 5	*****
E. Coli 51040 1 0 0	*****	*****	*****	*****	*****	REPORT col/100mL	*****	E	GRAB	See Note 5	*****
Coliform, Fecal General 74055 1 0 0	*****	*****	*****	*****	*****	REPORT col/100mL	*****	E	GRAB	See Note 5	*****
Water Level At Samp. Collection Time 85327 1 0 0	*****	*****	*****	*****	*****	REPORT feet	*****	E	GRAB	See Note 5	*****

* See Part II.C.1. (Bypass); Part II.C.2. (Upset)

** Monitoring Requirements

(1) Sample Location

I - Influent

E - Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration

from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

(2) Sample Type:

CONTIN - Continuous

INSTAN - Instantaneous

COMP-8 - 8-Hour Composite

COMP24 - 24-Hour Composite

GRAB - Grab

CALCTD - Calculated

(3) Measurement Frequency: See also Part I.B.2.

A - 7 days per week F - 2 days per month

B - 5 days per week G - 1 day per month

C - 3 days per week H - 1 day per quarter

D - 2 days per week J - Annual

E - 1 day per week Q - For Effluent Toxicity

Testing, see Provision IV.B.

(4) Seasonal Limits:

S = Summer (April - October)

W = Winter (November - March)

ECS = E. coli Summer (June - September)

ECW = E. coli Winter (October - May)

(5) Semiannual Groundwater Monitoring is required in accordance with Part IV.C. during the months of March and September.

9. Outfall MW41 Discharge Limits - Monitoring Well #4

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee shall monitor at Outfall MW41 as specified below:

Parameter	Discharge Limitations*					Monitoring Requirements**					
	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Minimum	Daily Maximum	Percent Removal	(1) Sample Location	(2) Sample Type	(3) Measurement Frequency	(4) Seasonal
Nitrogen, Total (As N) 00600 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Nitrogen, Ammonia Total (As N) 00610 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Nitrogen, Nitrite Total (As N) 00615 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Nitrogen, Nitrate Total (As N) 00620 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Phosphorus, Total (As P) 00665 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Carbon, Tot Organic (TOC) 00680 1 0 0	*****	*****	*****	*****	*****	REPORT mg/l	*****	E	GRAB	See Note 5	*****
Methylene Blue Active Substances 4702 1 0 0	*****	*****	*****	*****	*****	REPORT ug/l	*****	E	GRAB	See Note 5	*****
E. Coli 51040 1 0 0	*****	*****	*****	*****	*****	REPORT col/100mL	*****	E	GRAB	See Note 5	*****
Coliform, Fecal General 74055 1 0 0	*****	*****	*****	*****	*****	REPORT col/100mL	*****	E	GRAB	See Note 5	*****
Water Level At Samp. Collection Time 85327 1 0 0	*****	*****	*****	*****	*****	REPORT feet	*****	E	GRAB	See Note 5	*****

* See Part II.C.1. (Bypass); Part II.C.2. (Upset)

** Monitoring Requirements

(1) Sample Location

I - Influent

E - Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration

from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

(2) Sample Type:

CONTIN - Continuous

INSTAN - Instantaneous

COMP-8 - 8-Hour Composite

COMP24 - 24-Hour Composite

GRAB - Grab

CALCTD - Calculated

(3) Measurement Frequency: See also Part I.B.2.

A - 7 days per week F - 2 days per month

B - 5 days per week G - 1 day per month

C - 3 days per week H - 1 day per quarter

D - 2 days per week J - Annual

E - 1 day per week Q - For Effluent Toxicity

Testing, see Provision IV.B.

(4) Seasonal Limits:

S = Summer (April - October)

W = Winter (November - March)

ECS = E. coli Summer (June - September)

ECW = E. coli Winter (October - May)

(5) Semiannual Groundwater Monitoring is required in accordance with Part IV.C. during the months of March and September.

B. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS

1. Representative Sampling

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

2. Measurement Frequency

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

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

3. Test Procedures

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

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

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

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

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

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

4. Recording of Results

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

- a. The facility name and location, point source number, date, time and exact place of sampling;

- b. The name(s) of person(s) who obtained the samples or measurements;
 - c. The dates and times the analyses were performed;
 - d. The name(s) of the person(s) who performed the analyses;
 - e. The analytical techniques or methods used, including source of method and method number; and
 - f. The results of all required analyses.
5. Records Retention and Production
- a. The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the above reports or the application for this permit, for a period of at least three years from the date of the sample measurement, report or application. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPCA and/or the FWPCA, is ongoing which involves any of the above records, the records shall be kept until the litigation is resolved. Upon the written request of the Director or his designee, the Permittee shall provide the Director with a copy of any record required to be retained by this paragraph. Copies of these records should not be submitted unless requested.
 - b. All records required to be kept for a period of three years shall be kept at the permitted facility or an alternate location approved by the Department in writing and shall be available for inspection.
6. Reduction, Suspension or Termination of Monitoring and/or Reporting
- a. The Director may, with respect to any point source identified in Provision I.A. of this permit, authorize the Permittee to reduce, suspend or terminate the monitoring and/or reporting required by this permit upon the submission of a written request for such reduction, suspension or termination by the Permittee, supported by sufficient data which demonstrates to the satisfaction of the Director that the discharge from such point source will continuously meet the discharge limitations specified in Provision I.A. of this permit.
 - b. It remains the responsibility of the Permittee to comply with the monitoring and reporting requirements of this permit until written authorization to reduce, suspend or terminate such monitoring and/or reporting is received by the Permittee from the Director.
7. Monitoring Equipment and Instrumentation
- All equipment and instrumentation used to determine compliance with the requirements of this permit shall be installed, maintained, and calibrated in accordance with the manufacturer's instructions or, in the absence of manufacturer's instructions, in accordance with accepted practices. At a minimum, flow measurement devices shall be calibrated at least once every 12 months.

C. DISCHARGE REPORTING REQUIREMENTS

1. Reporting of Monitoring Requirements
 - a. The Permittee shall conduct the required monitoring in accordance with the following schedule:
 - (1) **MONITORING REQUIRED MORE FREQUENTLY THAN MONTHLY AND MONTHLY** shall be conducted during the first full month following the effective date of coverage under this permit and every month thereafter.
 - (2) **QUARTERLY MONITORING** shall be conducted at least once during each calendar quarter. Calendar quarters are the periods of January through March, April through June, July through September, and October through December. The Permittee shall conduct the quarterly monitoring during the first complete calendar quarter following the effective date of this permit and is then required to monitor once during each quarter thereafter. Quarterly monitoring should be reported on the last DMR due for the quarter (i.e., March, June, September and December DMRs).
 - (3) **SEMIANNUAL MONITORING** shall be conducted at least once during the period of January through June and at least once during the period of July through December. The Permittee shall conduct the semiannual monitoring during the first complete calendar semiannual period following the effective date of this permit and is then required to monitor once during each semiannual period thereafter. Semiannual monitoring may be done anytime during the semiannual period, unless restricted elsewhere in this permit, but it should be reported on the last DMR due for the month of the semiannual period (i.e., June and December DMRs).
 - (4) **ANNUAL MONITORING** shall be conducted at least once during the period of January through December. The Permittee shall conduct the annual monitoring during the first complete calendar annual period following the effective date of this permit and is then required to monitor once during each annual period thereafter.

Annual monitoring may be done anytime during the year, unless restricted elsewhere in this permit, but it should be reported on the December DMR.

- b. The Permittee shall submit discharge monitoring reports (DMRs) on the forms approved by the Department and 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 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.
 - (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. by utilizing the Department's web-based Electronic Environmental (E2) Reporting System.
- (1) If the permittee is unable to complete the electronic submittal of DMR data due to technical problems originating with the Department's E2 Reporting System (this could include entry/submittal issues with an entire set of DMRs or individual parameters), the permittee is not relieved of their obligation to submit DMR data to the Department by the date specified in Provision I.C.1.b., unless otherwise directed by the Department.

If the E2 Reporting System is down on the 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 E2 Reporting System resuming operation, the permittee shall enter the data into the E2 Reporting System, unless an alternate timeframe is approved by the Department. An attachment should be included with the E2 DMR submittal verifying the original submittal date (date of the fax, copy of 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.

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.
 - (3) If a permittee is allowed to submit a hard copy DMR, the DMR must be legible and bear an original signature. Photo and electronic copies of the signature are not acceptable and shall not satisfy the reporting requirements of this permit.
 - (4) If the permittee, using approved analytical methods as specified in Provision I.B.2, monitors any discharge from a point source for a limited substance identified in Provision I.A. of this permit more frequently than required by this permit, the results of such monitoring shall be included in the calculation and reporting of values on the DMR and the increased frequency shall be indicated on the DMR.
 - (5) In the event no discharge from a point source identified in Provision I.A. of this permit and described more fully in the permittee's application occurs during a monitoring period, the permittee shall report "No Discharge" for such period on the appropriate DMR.
- d. All reports and forms required to be submitted by this permit, the AWPCA and the Department's Rules 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
Environmental Data Section, Permits & Services 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
Environmental Data Section, Permits & Services 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 Notification

- a. The Permittee must 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 report any of the above occurrences, describing the circumstances and potential effects, to the Department within 24-hours after the Permittee becomes aware of the occurrence of such discharge. In addition to the oral or electronic report, the Permittee shall submit a written report to the Director or Designee, as provided in Provision I.C.2.c, 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 must 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. Form 421 must be submitted to the Director or Designee in accordance with Provisions I.C.2a. or b. 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 not corrected by the due date of the written report, then the Permittee is to state the anticipated timeframe that is expected to transpire before the noncompliance is resolved; 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, including all steps taken to prevent 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. The Permittee shall also report notification of the noncompliance event to any other affected entity such as the public.
- e. The Permittee shall keep an updated record of all known wastewater discharge points that are not authorized as permitted outfalls, including but not limited to SSOs. The Permittee shall submit annual Municipal Water Pollution Prevention Plan (MWPP) reports to the Department each year by May 31st for the prior calendar year period beginning January 1st and ending December 31st. The Annual MWPP 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 MWPP shall also provide a list of any discharges reported in accordance with Provision I.C.2.a. The Permittee shall submit with its Annual MWPP Report the following information for each known unpermitted discharge that occurs:
 - (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 street address or any other appropriate method;
 - (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 or plans to eliminate future discharges.
- f. The Permittee shall report SSO and other illicit or anomalous discharge events on Form 415 in accordance with Part I.C.2.a. This form is available on the ADEM web page or upon request from the Permittee.

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 (BMP)

- 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 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

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, for permit termination, revocation and reissuance, suspension, modification, or denial of a permit renewal application.
- b. The necessity to halt or reduce production or other activities in order to maintain compliance with the conditions of the permit shall not be a defense for a Permittee in an enforcement action.
- c. The discharge of a pollutant from a source not specifically identified in the permit application for this permit and not specifically included in the description of an outfall in this permit is not authorized and shall constitute noncompliance with this permit.
- d. The Permittee shall take all reasonable steps, including cessation of production or other activities, to minimize or prevent any violation of this permit or to minimize or prevent any adverse impact of any permit violation.
- e. Nothing in this permit shall be construed to preclude 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, any 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.

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; or
- 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; and
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. From which the discharge of pollutants did not commence 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:
- Reaches a surface water of the State; or
 - 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 – 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:
- 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;
 - A sample collected over a consecutive 24-hour period using an automatic sampler composite to one sample. As a minimum, samples shall be collected hourly and each shall be no more than one twenty-fourth (1/24) of the total sample volume collected; or
 - 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. 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.

C. OTHER REQUIREMENTS FOR LAND APPLICATION

1. Flow Monitoring
 - a. Influent flow to the treatment plant shall be recorded continuously. This data is subject to the records retention requirements of this permit. The monthly average and daily maximum flows shall be reported on the DMRs in accordance with Part I.A. of this permit.
 - b. Wastewater flow to the sprayfield shall be recorded continuously. This data is subject to the records retention requirements of this permit. The monthly average and daily maximum flows shall be reported on the DMRs in accordance with Part I.A. of this permit.
2. Groundwater Monitoring
 - a. All sprayfield groundwater monitoring wells identified in the approved "Semi-Annual Groundwater Monitoring Plan" shall be monitored in accordance with the following schedule:

MEASUREMENT PARAMETER	SAMPLE FREQUENCY	SAMPLING TYPE	POINT
Total Organic Carbon (TOC)	Semiannual	Grab	Monitoring Wells
Ammonia (N)	"	"	"
Nitrite (N)	"	"	"
Nitrate (N)	"	"	"
Nitrogen, Total	"	"	"
Phosphorus, Total	"	"	"
Coliform, Fecal	"	"	"
E. coli	"	"	"
Methylene-Blue Active Substances	"	"	"
Static Water Level	"	"	"

- b. All groundwater monitoring wells should be sampled prior to initiating any application of treated wastewater to the land application site. Groundwater sampling after commencement of land application shall be conducted during the months of **March and September**.
- c. The Permittee must determine if there is a statistically significant increase in contaminant levels in comparison to background water quality at each well. Should groundwater monitoring reveal that the concentration of parameters listed in Part IV. C. 2. statistically exceed background (upgradient) concentrations; or that the concentration exceeds primary or secondary drinking water standards promulgated under ADEM Administrative Code Division 335-7; or that the concentrations exceed EPA Region 9 preliminary remediation goals, the Department may require the Permittee to revise the groundwater monitoring program to conduct a groundwater assessment and/or to implement a groundwater corrective action program.
- d. Groundwater samples must be analyzed using EPA approved analytical methods.
- e. The Permittee must submit an annual report in the month of **January** summarizing the collective semi-annual groundwater sampling results. The annual report should include the following:
- The nature and the extent of groundwater contamination (if any). Include contour maps showing the groundwater flow direction;
 - Discussion of all analytical results;
 - Discussion of concentration trends in each monitoring well;
 - All potentiometric data collected during each monitoring event including top casing elevations, measured water level, total well depths, and calculated groundwater elevations;
 - A potentiometric map illustrating the groundwater flow direction for each monitoring event;
 - All field parameter data collected during the well purging activities;
 - The specific dates that the groundwater sampling activities were conducted; and
 - The report shall be prepared by and bear the signature and the license number of a licensed professional geologist or professional engineer registered in the State of Alabama.
- f. The Permittee shall submit and adhere to the schedule of compliance in accordance with Part I. E.
3. Stream Monitoring Requirements
- The Permittee shall sample all surface streams immediately upstream and downstream of the land application site in accordance with Part I.A.4 and 5 of this permit. Samples shall be collected at mid-channel and at a depth of 5 ft. or mid-depth, whichever is less. The sampling locations shall be approved by the Department. Results shall be reported on DMR forms provided by the Department.
4. Sprayfield Operation Requirements
- A healthy cover crop shall be maintained at all times during land application of wastewater. If necessary, the cover crop shall be maintained by fertilization, reseeding, re-planting, etc.
 - Best management practices erosion control measures shall be implemented to minimize soil loss.
 - Wastewater shall not be applied to the sprayfield during periods of rain and/or high winds that may cause release of wastewater flow or any wastewater mist or residual to any off site location. Wastewater shall not be applied to the sprayfield when the ground is saturated, prior to periods of rain, when the ground is frozen or at any similar time when percolation will not readily occur.
 - Wastewater shall not be applied to fields with a slope greater than 30% and shall not be applied within 100 feet of any creeks, drainage ways, sinkholes, and springs.

- e. All spray equipment and monitoring provisions shall be properly operated and maintained at all times to prevent leaks and spills. The equipment shall be installed so that there is no overlap of spray patterns from individual sprinklers.
- f. As a minimum, the following records shall be maintained by the permittee and will be subject to inspection by the Department:
 - (1) All information required by land application monitoring reports;
 - (2) Field, date, and time span of application and volume applied;
 - (3) Field, date, quantity, and type of fertilizer applied;
 - (4) Date and amount of rainfall; and
 - (5) Daily nitrogen loading (ppd) for each field or zone/pivot
- g. The Permittee shall not apply wastewater to areas where depth to groundwater is less than 5 feet or where land application sites are located within the 100 year floodplain.
- h. Excessive rainwater run-on must be diverted from the land application area.
- i. The following buffer zones shall be maintained along ditches, gulleys, swales, and other features that have any potential to convey storm water to an adjacent stream or sink hole:
 - (1) 100 feet from all property lines
 - (2) 100 feet from all sinkholes
 - (3) 100 feet from any perennial stream or lake
 - (4) 300 feet from public or private wells
 - (5) 300 feet from existing habitable residences

The buffer zone around sinkholes will also include terracing or another appropriate method of diversion to prevent any potential runoff from entering the area.
- j. Wastewater shall be applied in such a manner that surface run-off does not occur.

D. STORMWATER MONITORING REQUIREMENTS

1. The permittee shall sample all storm water outfalls in accordance with Part I.A.3 of this permit. The locations of these stormwater outfalls must be approved by the Department. A grab sample shall be collected during the first thirty minutes of the discharge (or as soon thereafter as practicable).
2. The total volume of stormwater discharged for the event must be monitored, including the date and duration (in hours) and rainfall (in inches) for storm event(s) sampled. The duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event must be a minimum of 72 hours. This information must be recorded and is subject to the records retention requirements of this permit.
3. The stormwater volume may be measured using flow measuring devices and/or estimations using a modification of the Rational Method and appropriate considerations of total depth of rainfall, size of the drainage area serving each storm water outfall, and the estimated runoff coefficient for the drainage area. This information must be recorded as part of the sampling procedure and is also subject to the records retention requirement of this permit.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 WATER DIVISION – INDUSTRIAL AND MUNICIPAL SECTIONS
NONCOMPLIANCE NOTIFICATION FORM

PERMITTEE NAME: _____ PERMIT NO: _____

FACILITY LOCATION: _____

DMR REPORTING PERIOD: _____

1. DESCRIPTION OF DISCHARGE: (Include outfall number (s))

2. DESCRIPTION OF NON-COMPLIANCE: (Attach additional pages if necessary):

LIST EFFLUENT VIOLATIONS (If applicable)			
Outfall Number (s)	NONCOMPLIANCE PARAMETER(S)	Result Reported (Include units)	Permit Limit (Include units)
LIST MONITORING / REPORTING VIOLATIONS (If applicable)			
Outfall Number (s)	NONCOMPLIANCE PARAMETER(S)	Monitoring / Reporting Violation (Provide description)	

3. CAUSE OF NON-COMPLIANCE (Attach additional pages if necessary):

4. PERIOD OF NONCOMPLIANCE: (Include exact date(s) and time(s) or, if not corrected, the anticipated time the noncompliance is expected to continue):

5. DESCRIPTION OF STEPS TAKEN AND/OR BEING TAKEN TO REDUCE OR ELIMINATE THE NONCOMPLYING DISCHARGE AND TO PREVENT ITS RECURRENCE (attach additional pages if necessary):

"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 AND TITLE OF RESPONSIBLE OFFICIAL (type or print)

 SIGNATURE OF RESPONSIBLE OFFICIAL / DATE SIGNED

NPDES PERMIT RATIONALE

NPDES Permit No: **AL0067903** Date: September 27, 2016

Permit Applicant: Town of Eclectic
507 Main Street
Eclectic, Alabama 36024

Location: Eclectic Lagoon and Sprayfield
700 South College Street
Eclectic, Alabama 36024
Elmore County

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

Basis for Limitations: Water Quality Model: N.A.
Reissuance with no modification: TKN, FC, CBOD
Instream calculation at 7Q10: N.A.
Toxicity based: N.A.
Secondary Treatment Levels: N.A.
Other (described below): All parameters

Design Flow in Million Gallons per Day: 0.2 MGD

Major: No

Description of Discharge: Outfall Number 0011; Effluent discharge to Groundwater

Outfall Number 002S; Storm water monitoring to an unnamed tributary to Tumkeehatchee Creek, which is classified as Fish and Wildlife (F&W).

Outfall Number 003U; Surface Stream monitoring to unnamed tributary to Tumkeehatchee Creek, which is classified as Fish and Wildlife (F&W).

Outfall Number 004D; Surface Stream monitoring to unnamed tributary to Tumkeehatchee Creek, which is classified as Fish and Wildlife (F&W).

Discussion: This permit is being revoked and reissued.

The facility will have a combination of the existing lagoon system and a new proposed package plant, which is designed to send 50% of the wastewater to the existing lagoons and 50% of wastewater to the

package plant. The effluent from the two will then blend in the two polishing ponds before being pumped to the sprayfield for land application. A monthly average limit for Total Suspended Solids (TSS) will be 60 mg/L to ensure the solids from the lagoons and the package plant are accurately representative prior to being discharged to the sprayfield.

The limits for Carbonaceous Biochemical Oxygen Demand (CBOD) and pH are based on Best Professional Judgment and consultation with the Department's Groundwater Section. The monthly average CBOD limit is 45.0 mg/L, respectively. The pH limits are 6.0 s.u. (daily minimum) and 8.5 s.u. (daily maximum).

Monitoring and reporting requirements for Total Phosphorus (TP), Total Nitrogen (TN), Total Nitrate-Nitrogen (NO₃-N), and Total Ammonia-Nitrogen (NH₃-N) have been imposed in this permit. A monthly average Total Kjeldahl Nitrogen (TKN) limit of 30.0 mg/L is being imposed. An August 13, 2014 report submitted by the Permittee indicated nitrogen loading to the sprayfield could be increased without adversely affecting the sprayfield soil or groundwater. These results will provide an overall indication of the total nutrient loading to the spray field and to groundwater.

Fecal Coliform (FC) limits are imposed in the permit in accordance with the Municipal Section disinfection strategy for land application facilities. The FC limits for the restricted site are 2000 col/100mL (monthly average) and 4000 col/100mL (daily maximum).

No toxicity testing is required because the facility is a land application system.

The Permittee's application indicated that there is one significant or categorical industrial wastewater sources contributing to this facility.

The monitoring frequency for most parameters is monthly. Flow to the treatment facility or to the holding pond is to be continuously monitored daily. Flow to the sprayfield is also to be continuously monitored daily.

In order to monitor the potential for the land application system to impact nearby waterways, the Department is requiring that the Permittee monitor the quality of the stream adjacent to the land application site. Upstream and downstream water quality shall be monitored quarterly as designated Outfalls 003U and 004D, respectively. This monitoring is being required in order to provide an indication of whether the sprayfield is being properly maintained and operated.

In the permit application, the Permittee reported one storm water outfall. The storm water outfall will be designated as Outfall 002S in the permit. Storm water monitoring at this outfall will be required on a quarterly basis. This monitoring is being required in order to provide an indication of whether the sprayfield is being properly maintained and operated.

The Permittee has indicated that there are four groundwater monitoring wells at the facility. In order to monitor the impact of the sprayfield on the groundwater, monitoring at these wells will be required twice per year, during the months of March and September as designated outfalls MW11, MW21, MW31, and MW41.

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 point source discharge to a Tier II water, so the applicant is not required to demonstrate that the discharge is necessary for economic and social development.

FORM 1 GENERAL		U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program <i>(Read the "General Instructions" before starting.)</i>	I. EPA I.D. NUMBER
		PLEASE PLACE LABEL IN THIS SPACE	
LABEL ITEMS		GENERAL INSTRUCTIONS If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.	
I. EPA I.D. NUMBER			
III. FACILITY NAME			
V. FACILITY MAILING ADDRESS			
VI. FACILITY LOCATION			

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms**.

SPECIFIC QUESTIONS	Mark "X"			SPECIFIC QUESTIONS	Mark "X"		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

III. NAME OF FACILITY

C	1	SKIP	ECLECTIC LAGOON / SPRAYFIELD
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IV. FACILITY CONTACT

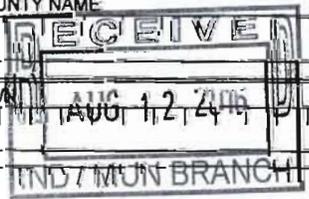
C	2	A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
		Gary Davenport MAYOR	(334) 541-4429

V. FACILITY MAILING ADDRESS

C	3	A. STREET OR P.O. BOX	
		145 MAIN STREET	
C	4	B. CITY OR TOWN	D. ZIP CODE
		ECLECTIC	AL 36024

VI. FACILITY LOCATION

C	5	A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER			
		700 SOUTH COLLEGE STREET			
C	6	B. COUNTY NAME	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
		ELMORE	AL	36024	



CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)			
A. FIRST		B. SECOND	
7	(specify)	7	(specify)
C. THIRD		D. FOURTH	
7	(specify)	7	(specify)

VIII. OPERATOR INFORMATION	
A. NAME	B. Is the name listed in item VIII A also the owner?
STEPHEN McDONALD	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other," specify)		D. PHONE (area code & no.)
F = FEDERAL S = STATE P = PRIVATE	M = PUBLIC (other than federal or state) O = OTHER (specify)	A (334) 740-9485
S		

E. STREET OR P.O. BOX
255 HEGEROW CIRCLE

F. CITY OR TOWN	G. STATE	H. ZIP CODE	I. INDIAN LAND
AUBURN	AL	36830	Is the facility located on Indian lands? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

X. EXISTING ENVIRONMENTAL PERMITS			
A. NPDES (Discharges to Surface Water)		D. PSD (Air Emissions from Process Sources)	
AL0067903			
B. UIC (Underground Injection of Fluids)		E. OTHER (specify)	
C. RCRA (Hazardous Wastes)		E. OTHER (specify)	

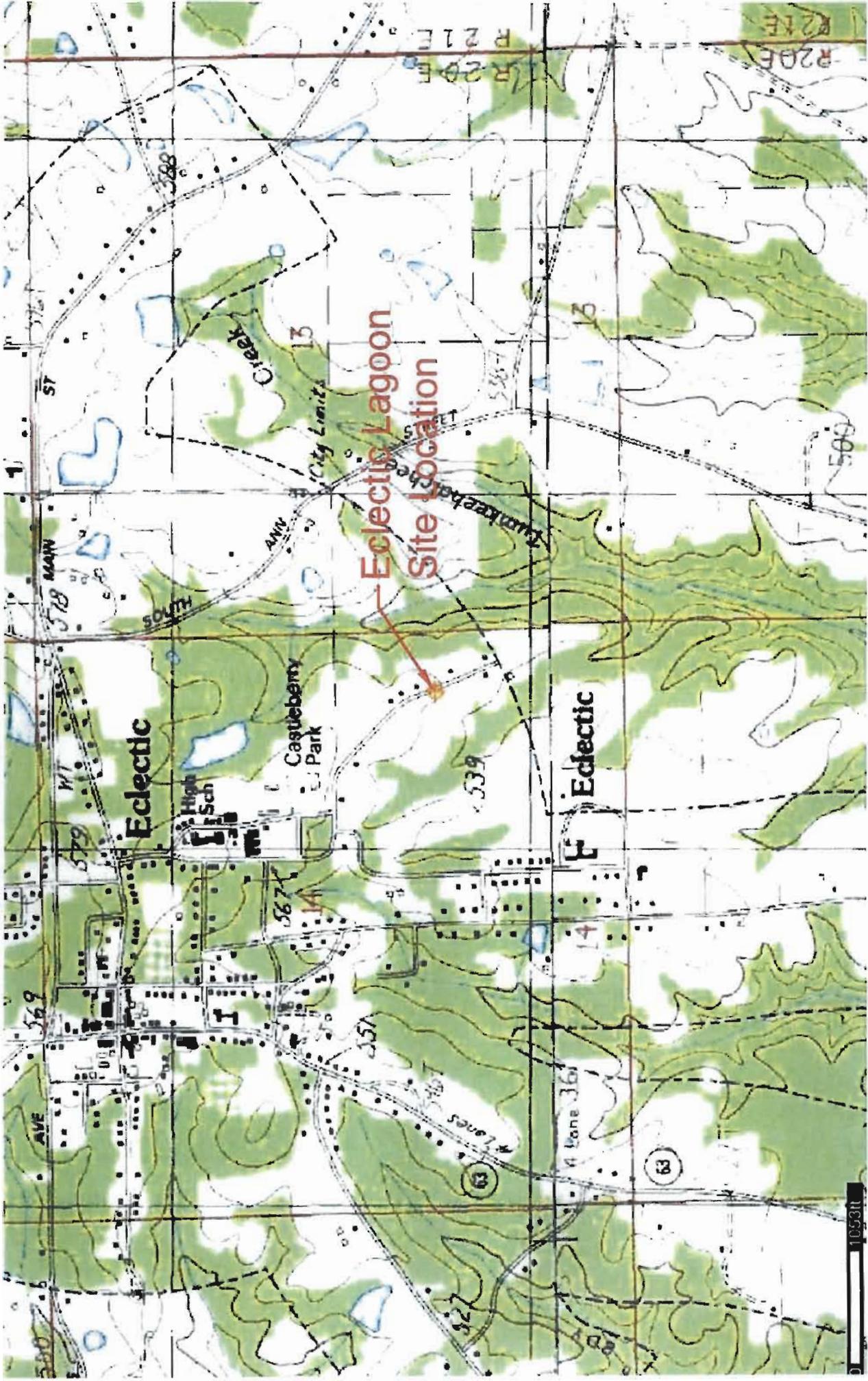
XI MAP
Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment storage or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements.

XII NATURE OF BUSINESS (provide a brief description)
SEWAGE IS COLLECTED FROM RESIDENCES AND BUSINESSES THROUGH A SERIES OF GRAVITY SEWER LATERALS AND FORCE MAINS THAT FLOW EITHER TO A PUMPING STATION OR DIRECTLY TO THE LAGOON FOR TREATMENT. ALL INFLUENT FLOW IS TREATED IN A THREE CELL LAGOON SYSTEM. ALL FLOW IS AERATED IN THE FIRST CELL FOR PRIMARY TREATMENT, FLOWS BY GRAVITY TO A SECOND CELL FOR SETTLING OF SUSPENDED SOLIDS, THEN FLOWS BY GRAVITY TO A THIRD CELL THAT IS USED FOR POLISHING OF FINAL EFFLUENT BEFORE BEING PUMPED TO A TWELVE ACRE SPRAY APPLICATION FIELD.

XIII. CERTIFICATION (see instructions)
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Gary Davenport MAYOR		8/11/2016

COMMENTS FOR OFFICIAL USE ONLY



Eclectic Lagoon
Site Location

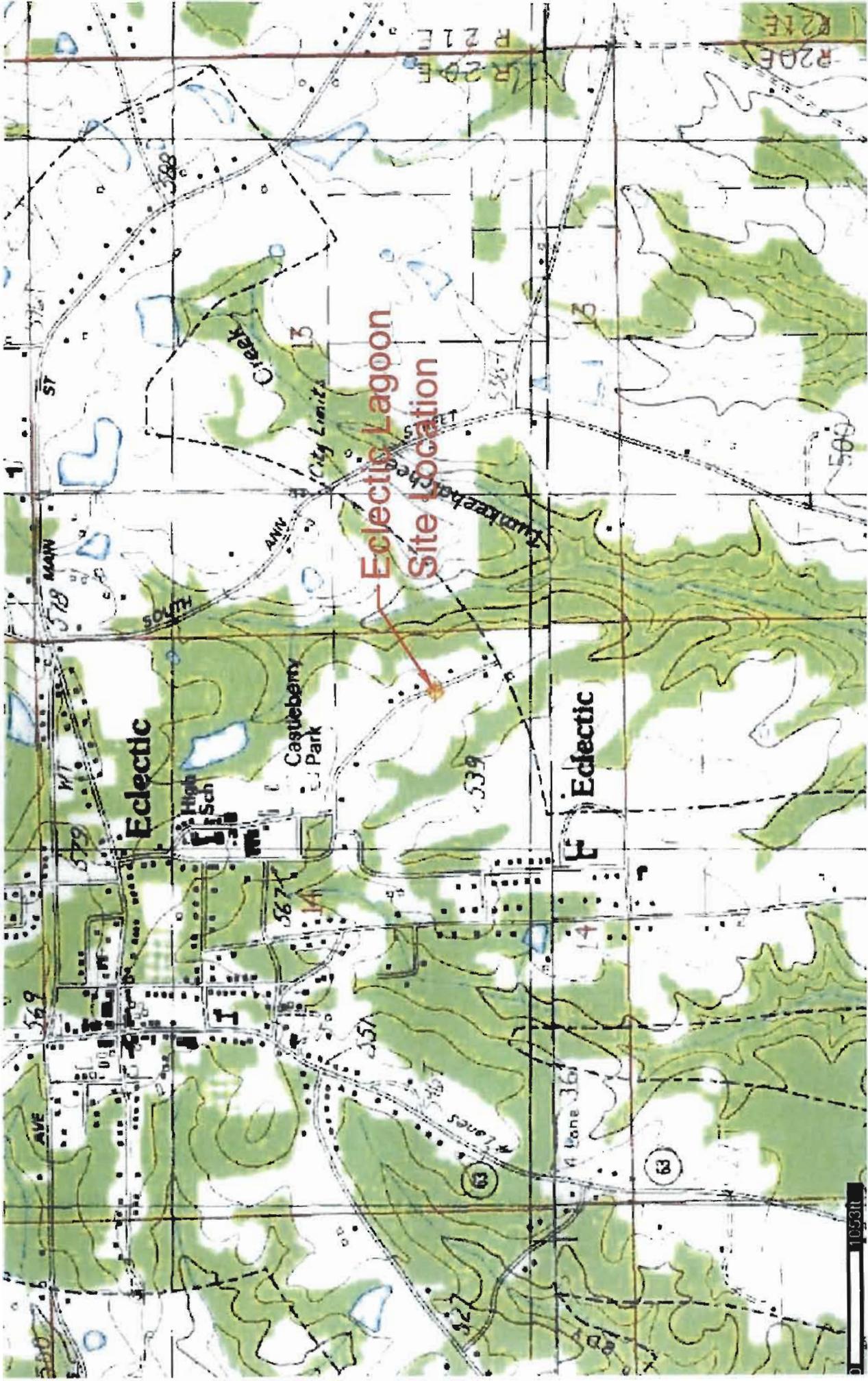
Eclectic

Eclectic

Castleberry Park

High Sch

Creek



Eclectic Lagoon
Site Location

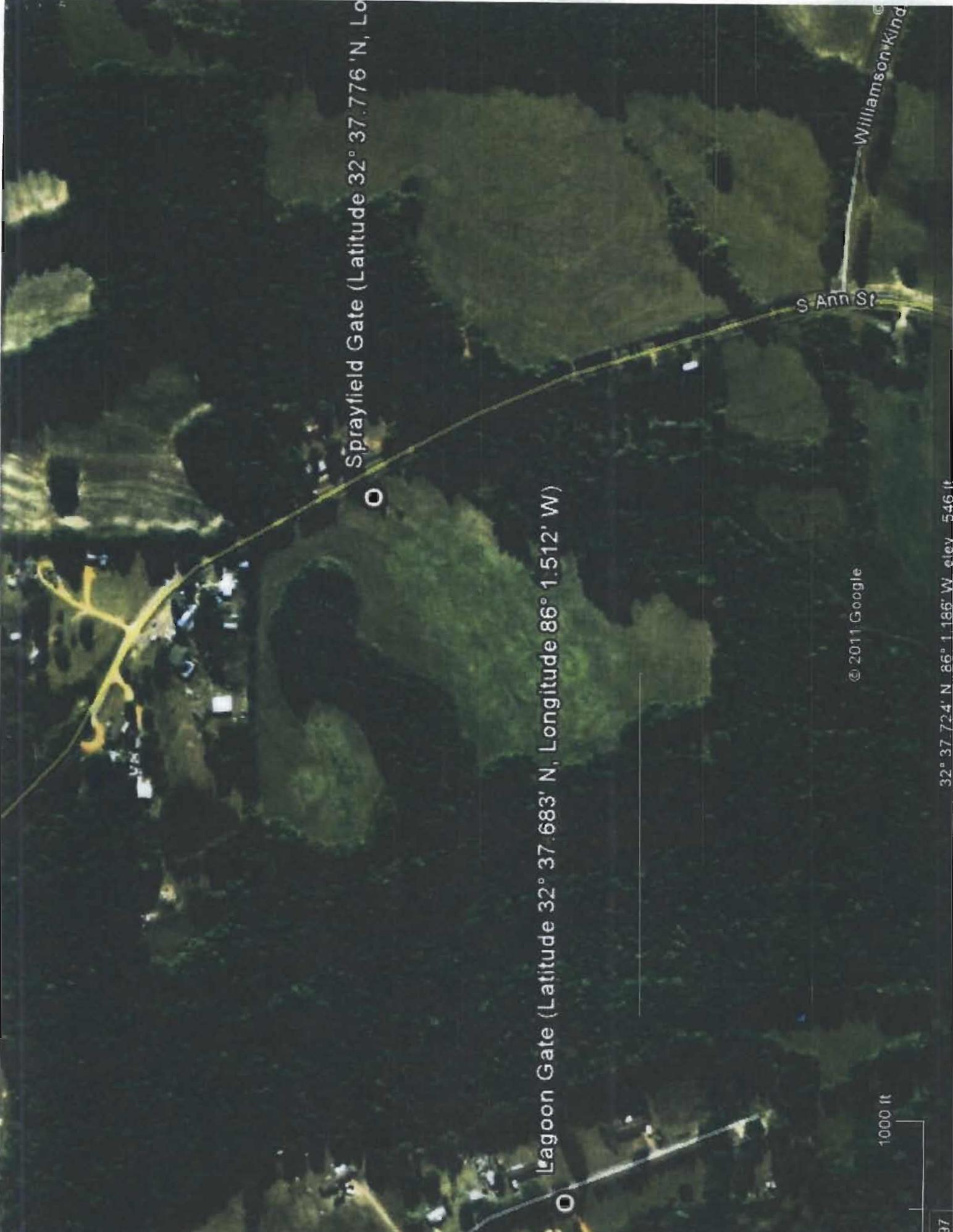
Eclectic

Eclectic

Castleberry Park

High Sch

Creek



Sprayfield Gate (Latitude 32° 37.776 'N, Lo



Lagoon Gate (Latitude 32° 37.683' N, Longitude 86° 1.512' W)



S Ann St

© 2011 Google

1000 ft

Williamson Kind

32° 37.724' N, 86° 1.166' W elev. 546 ft

FACILITY NAME AND PERMIT NUMBER:

Eclectic Lagoon and Sprayfield AL0067903

Form Approved 1/14/99
OMB Number 2040-0086

BASIC APPLICATION INFORMATION

PART A. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS:

All treatment works must complete questions A.1 through A.8 of this Basic Application Information packet.

A.1. Facility Information.

Facility name ECLECTIC LAGOON / SPRAYFIELD

Mailing Address 507 Main Street
Eclectic, Al. 36024

Contact person Stephen McDonald

Title System Operator

Telephone number (334) 740-9485

Facility Address 700 SOUTH COLLEGE STREET ECLECTIC, AL. 36024
(not P.O. Box) _____

A.2. Applicant Information. If the applicant is different from the above, provide the following:

Applicant name N/A

Mailing Address _____

Contact person _____

Title _____

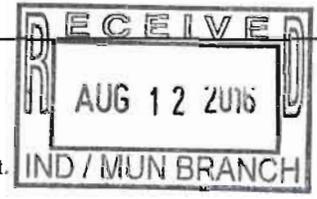
Telephone number _____

Is the applicant the owner or operator (or both) of the treatment works?

owner operator

Indicate whether correspondence regarding this permit should be directed to the facility or the applicant.

_____ facility applicant



A.3. Existing Environmental Permits. Provide the permit number of any existing environmental permits that have been issued to the treatment works (include state-issued permits).

NPDES AL0067903 PSD _____

UIC _____ Other _____

RCRA _____ Other _____

A.4. Collection System Information. Provide information on municipalities and areas served by the facility. Provide the name and population of each entity and, if known, provide information on the type of collection system (combined vs. separate) and its ownership (municipal, private, etc.).

Name	Population Served	Type of Collection System	Ownership
<u>TOWN OF ECLECTIC</u>	<u>300</u>	<u>SEPARATE</u>	<u>MUNICIPAL</u>
<u>COUNTY SCHOOL</u>	<u>1800</u>	<u>SEPARATE</u>	<u>ELMORE COUNTY</u>
_____	_____	_____	_____
Total population served <u>2100</u>			

FACILITY NAME AND PERMIT NUMBER:

Eclectic Lagoon and Sprayfield AL0067903

Form Approved 1/14/99
OMB Number 2040-0086

A.5. Indian Country.

a. Is the treatment works located in Indian Country?

Yes No

b. Does the treatment works discharge to a receiving water that is either in Indian Country or that is upstream from (and eventually flows through) Indian Country?

Yes No

A.6. Flow. Indicate the design flow rate of the treatment plant (i.e., the wastewater flow rate that the plant was built to handle). Also provide the average daily flow rate and maximum daily flow rate for each of the last three years. Each year's data must be based on a 12-month time period with the 12th month of "this year" occurring no more than three months prior to this application submittal.

a. Design flow rate 0.10 mgd

	<u>Two Years Ago</u>	<u>Last Year</u>	<u>This Year</u>
b. Annual average daily flow rate	<u>0.06</u>	<u>0.09</u>	<u>0.10</u> mgd
c. Maximum daily flow rate	<u>0.19</u>	<u>0.35</u>	<u>0.24</u> mgd

A.7. Collection System. Indicate the type(s) of collection system(s) used by the treatment plant. Check all that apply. Also estimate the percent contribution (by miles) of each.

Separate sanitary sewer 100.00 %
 Combined storm and sanitary sewer _____ %

A.8. Discharges and Other Disposal Methods.

a. Does the treatment works discharge effluent to waters of the U.S.? Yes No

If yes, list how many of each of the following types of discharge points the treatment works uses:

- i. Discharges of treated effluent _____
- ii. Discharges of untreated or partially treated effluent _____
- iii. Combined sewer overflow points _____
- iv. Constructed emergency overflows (prior to the headworks) _____
- v. Other _____

b. Does the treatment works discharge effluent to basins, ponds, or other surface impoundments that do not have outlets for discharge to waters of the U.S.? Yes No

If yes, provide the following for each surface impoundment:

Location: _____
 Annual average daily volume discharged to surface impoundment(s) _____ mgd
 Is discharge _____ continuous or _____ intermittent?

c. Does the treatment works land-apply treated wastewater? Yes No

If yes, provide the following for each land application site:

Location: 700 SOUTH ANN STREET ECLECTIC, AL 36024
 Number of acres: 12.00
 Annual average daily volume applied to site: 0.09 Mgd
 Is land application _____ continuous or intermittent?

d. Does the treatment works discharge or transport treated or untreated wastewater to another treatment works? Yes No

FACILITY NAME AND PERMIT NUMBER:

Eclectic Lagoon and Sprayfield AL0067903

Form Approved 1/14/99
OMB Number 2040-0086

If yes, describe the mean(s) by which the wastewater from the treatment works is discharged or transported to the other treatment works (e.g., tank truck, pipe).

If transport is by a party other than the applicant, provide:

Transporter name: _____

Mailing Address: _____

Contact person: _____

Title: _____

Telephone number: _____

For each treatment works that receives this discharge, provide the following:

Name: _____

Mailing Address: _____

Contact person: _____

Title: _____

Telephone number: _____

If known, provide the NPDES permit number of the treatment works that receives this discharge. _____

Provide the average daily flow rate from the treatment works into the receiving facility. _____ mgd

e. Does the treatment works discharge or dispose of its wastewater in a manner not included in A.8.a through A.8.d above (e.g., underground percolation, well injection)? _____ Yes No

If yes, provide the following for each disposal method:

Description of method (including location and size of site(s) if applicable):

Annual daily volume disposed of by this method: _____

Is disposal through this method _____ continuous or _____ intermittent?

FACILITY NAME AND PERMIT NUMBER:

Eclectic Lagoon and Sprayfield AL0067903

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WASTEWATER DISCHARGES:

If you answered "yes" to question A.8.a, complete questions A.9 through A.12 once for each outfall (including bypass points) through which effluent is discharged. Do not include information on combined sewer overflows in this section. If you answered "no" to question A.8.a, go to Part B, "Additional Application Information for Applicants with a Design Flow Greater than or Equal to 0.1 mgd."

A.9. Description of Outfall.

- a. Outfall number NA
- b. Location

	(City or town, if applicable)	(Zip Code)
	(County)	(State)
	(Latitude)	(Longitude)
- c. Distance from shore (if applicable) _____ ft.
- d. Depth below surface (if applicable) _____ ft.
- e. Average daily flow rate _____ mgd
- f. Does this outfall have either an intermittent or a periodic discharge?
 _____ Yes _____ No (go to A.9.g.)
 If yes, provide the following information:
 Number of times per year discharge occurs: _____
 Average duration of each discharge: _____
 Average flow per discharge: _____ mgd
 Months in which discharge occurs: _____
- g. Is outfall equipped with a diffuser? _____ Yes _____ No

A.10. Description of Receiving Waters.

- a. Name of receiving water NA
- b. Name of watershed (if known) _____
 United States Soil Conservation Service 14-digit watershed code (if known): _____
- c. Name of State Management/River Basin (if known): _____
 United States Geological Survey 8-digit hydrologic cataloging unit code (if known): _____
- d. Critical low flow of receiving stream (if applicable):
 acute _____ cfs chronic _____ cfs
- e. Total hardness of receiving stream at critical low flow (if applicable): _____ mg/l of CaCO₃

FACILITY NAME AND PERMIT NUMBER:

Eclectic Lagoon and Sprayfield AL0067903

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A.11. Description of Treatment.

a. What levels of treatment are provided? Check all that apply.

Primary Secondary
 Advanced Other. Describe: _____

b. Indicate the following removal rates (as applicable):

Design BOD₅ removal or Design CBOD₅ removal 85.00 _____ %
 Design SS removal 65.00 _____ %
 Design P removal _____ %
 Design N removal _____ %
 Other _____ %

c. What type of disinfection is used for the effluent from this outfall? If disinfection varies by season, please describe.

Hypo-Chlor 12.5 %

If disinfection is by chlorination, is dechlorination used for this outfall? _____ Yes No

d. Does the treatment plant have post aeration? _____ Yes No

A.12. Effluent Testing Information. All Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three samples and must be no more than four and one-half years apart.

Outfall number: NA

PARAMETER	MAXIMUM DAILY VALUE		AVERAGE DAILY VALUE		
	Value	Units	Value	Units	Number of Samples
pH (Minimum)		s.u.			
pH (Maximum)		s.u.			
Flow Rate					
Temperature (Winter)					
Temperature (Summer)					

* For pH please report a minimum and a maximum daily value

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	ML / MDL
	Conc.	Units	Conc.	Units	Number of Samples		

CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.

BIOCHEMICAL OXYGEN DEMAND (Report one)	BOD-5						
	CBOD-5						
FECAL COLIFORM							
TOTAL SUSPENDED SOLIDS (TSS)							

**END OF PART A.
 REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE**

FACILITY NAME AND PERMIT NUMBER:
Eclectic Lagoon and Sprayfield AL0067903

BASIC APPLICATION INFORMATION

PART B. ADDITIONAL APPLICATION INFORMATION FOR APPLICANTS WITH A DESIGN FLOW GREATER THAN OR EQUAL TO 0.1 MGD (100,000 gallons per day).

All applicants with a design flow rate \geq 0.1 mgd must answer questions B.1 through B.6. All others go to Part C (Certification).

B.1. Inflow and Infiltration. Estimate the average number of gallons per day that flow into the treatment works from inflow and/or infiltration.

0.00 gpd

Briefly explain any steps underway or planned to minimize inflow and infiltration.

NA

B.2. Topographic Map. Attach to this application a topographic map of the area extending at least one mile beyond facility property boundaries. This map must show the outline of the facility and the following information. (You may submit more than one map if one map does not show the entire area.)

- a. The area surrounding the treatment plant, including all unit processes.
- b. The major pipes or other structures through which wastewater enters the treatment works and the pipes or other structures through which treated wastewater is discharged from the treatment plant. Include outfalls from bypass piping, if applicable.
- c. Each well where wastewater from the treatment plant is injected underground.
- d. Wells, springs, other surface water bodies, and drinking water wells that are: 1) within 1/4 mile of the property boundaries of the treatment works, and 2) listed in public record or otherwise known to the applicant.
- e. Any areas where the sewage sludge produced by the treatment works is stored, treated, or disposed.
- f. If the treatment works receives waste that is classified as hazardous under the Resource Conservation and Recovery Act (RCRA) by truck, rail, or special pipe, show on the map where that hazardous waste enters the treatment works and where it is treated, stored, and/or disposed.

B.3. Process Flow Diagram or Schematic. Provide a diagram showing the processes of the treatment plant, including all bypass piping and all backup power sources or redundancy in the system. Also provide a water balance showing all treatment units, including disinfection (e.g, chlorination and dechlorination). The water balance must show daily average flow rates at influent and discharge points and approximate daily flow rates between treatment units. Include a brief narrative description of the diagram.

B.4. Operation/Maintenance Performed by Contractor(s).

Are any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a contractor? Yes No

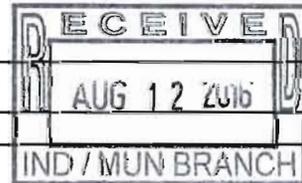
If yes, list the name, address, telephone number, and status of each contractor and describe the contractor's responsibilities (attach additional pages if necessary).

Name: STEPHEN MCDONALD

Mailing Address: 255 HEDGEROW CIRCLE AUBURN AL 36830

Telephone Number: (334) 740-9485

Responsibilities of Contractor: SYSTEM OPERATOR / PREVENTIVE MAINTENANCE



B.5. Scheduled Improvements and Schedules of Implementation. Provide information on any uncompleted implementation schedule or uncompleted plans for improvements that will affect the wastewater treatment, effluent quality, or design capacity of the treatment works. If the treatment works has several different implementation schedules or is planning several improvements, submit separate responses to question B.5 for each. (If none, go to question B.6.)

a. List the outfall number (assigned in question A.9) for each outfall that is covered by this implementation schedule.

NA

b. Indicate whether the planned improvements or implementation schedule are required by local, State, or Federal agencies.

Yes No

FACILITY NAME AND PERMIT NUMBER:

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c. If the answer to B.5.b is "Yes," briefly describe, including new maximum daily inflow rate (if applicable).

d. Provide dates imposed by any compliance schedule or any actual dates of completion for the implementation steps listed below, as applicable. For improvements planned independently of local, State, or Federal agencies, indicate planned or actual completion dates, as applicable. Indicate dates as accurately as possible.

Implementation Stage	Schedule	Actual Completion
	MM / DD / YYYY	MM / DD / YYYY
- Begin construction	10 / 1 / 2,016	___ / ___ / ___
- End construction	2 / 28 / 2,017	___ / ___ / ___
- Begin discharge	2 / 28 / 2,017	___ / ___ / ___
- Attain operational level	3 / 31 / 2,017	___ / ___ / ___

e. Have appropriate permits/clearances concerning other Federal/State requirements been obtained? Yes No

Describe briefly: no other needed than ADEM

B.6. EFFLUENT TESTING DATA (GREATER THAN 0.1 MGD ONLY).

Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

Outfall Number: NA

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	ML / MDL
	Conc.	Units	Conc.	Units	Number of Samples		
CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.							
AMMONIA (as N)							
CHLORINE (TOTAL RESIDUAL, TRC)							
DISSOLVED OXYGEN							
TOTAL KJELDAHL NITROGEN (TKN)							
NITRATE PLUS NITRITE NITROGEN							
OIL and GREASE							
PHOSPHORUS (Total)							
TOTAL DISSOLVED SOLIDS (TDS)							
OTHER							

END OF PART B.
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

FACILITY NAME AND PERMIT NUMBER:
Eclectic Lagoon and Sprayfield AL0067903

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BASIC APPLICATION INFORMATION

PART C. CERTIFICATION

All applicants must complete the Certification Section. Refer to instructions to determine who is an officer for the purposes of this certification. All applicants must complete all applicable sections of Form 2A, as explained in the Application Overview. Indicate below which parts of Form 2A you have completed and are submitting. By signing this certification statement, applicants confirm that they have reviewed Form 2A and have completed all sections that apply to the facility for which this application is submitted.

Indicate which parts of Form 2A you have completed and are submitting:



Basic Application Information packet

Supplemental Application Information packet:

Part D (Expanded Effluent Testing Data)

Part E (Toxicity Testing: Biomonitoring Data)

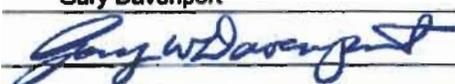
Part F (Industrial User Discharges and RCRA/CERCLA Wastes)

Part G (Combined Sewer Systems)

ALL APPLICANTS MUST COMPLETE 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 the information, the information 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 and official title Gary Davenport MAYOR

Signature 

Telephone number (334) 541-4429

Date signed 8/11/2016

Upon request of the permitting authority, you must submit any other information necessary to assess wastewater treatment practices at the treatment works or identify appropriate permitting requirements.

SEND COMPLETED FORMS TO:

FACILITY NAME AND PERMIT NUMBER:

Eclectic Lagoon and Sprayfield AI0067903

Form Approved 1/14/99
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SUPPLEMENTAL APPLICATION INFORMATION

PART F. INDUSTRIAL USER DISCHARGES AND RCRA/CERCLA WASTES

All treatment works receiving discharges from significant industrial users or which receive RCRA, CERCLA, or other remedial wastes must complete Part F.

GENERAL INFORMATION:

F.1. **Pretreatment Program.** Does the treatment works have, or is it subject to, an approved pretreatment program?

Yes No

F.2. **Number of Significant Industrial Users (SIUs) and Categorical Industrial Users (CIUs).** Provide the number of each of the following types of industrial users that discharge to the treatment works.

- a. Number of non-categorical SIUs. 0.00
- b. Number of CIUs. 0.00

SIGNIFICANT INDUSTRIAL USER INFORMATION:

Supply the following information for each SIU. If more than one SIU discharges to the treatment works, copy questions F.3 through F.8 and provide the information requested for each SIU.

F.3. **Significant Industrial User Information.** Provide the name and address of each SIU discharging to the treatment works. Submit additional pages as necessary.

Name: Madix Inc. Eclectic

Mailing Address: Post Office Box 177
Goodwater, Al 35072

F.4. **Industrial Processes.** Describe all of the industrial processes that affect or contribute to the SIU's discharge.

Metal Coating

F.5. **Principal Product(s) and Raw Material(s).** Describe all of the principal processes and raw materials that affect or contribute to the SIU's discharge.

Principal product(s): Store fixtures, heavy duty racking, wire and wood displays

Raw material(s): Metal and Wood

F.6. **Flow Rate.**

a. **Process wastewater flow rate.** Indicate the average daily volume of process wastewater discharged into the collection system in gallons per day (gpd) and whether the discharge is continuous or intermittent.

5,000.00 gpd (continuous or intermittent)

b. **Non-process wastewater flow rate.** Indicate the average daily volume of non-process wastewater flow discharged into the collection system in gallons per day (gpd) and whether the discharge is continuous or intermittent.

0.00 gpd (continuous or intermittent)

F.7. **Pretreatment Standards.** Indicate whether the SIU is subject to the following:

- a. Local limits Yes No
- b. Categorical pretreatment standards Yes No

If subject to categorical pretreatment standards, which category and subcategory?

Metal finishing Part 433 Subpart A



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F.8. Problems at the Treatment Works Attributed to Waste Discharged by the SIU. Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years?

Yes No If yes, describe each episode.

NA

RCRA HAZARDOUS WASTE RECEIVED BY TRUCK, RAIL, OR DEDICATED PIPELINE:

F.9. RCRA Waste. Does the treatment works receive or has it in the past three years received RCRA hazardous waste by truck, rail, or dedicated pipe? Yes No (go to F.12.)

F.10. Waste Transport. Method by which RCRA waste is received (check all that apply):

Truck Rail Dedicated Pipe

F.11. Waste Description. Give EPA hazardous waste number and amount (volume or mass, specify units).

EPA Hazardous Waste Number	Amount	Units
NA		

CERCLA (SUPERFUND) WASTEWATER, RCRA REMEDIATION/CORRECTIVE ACTION WASTEWATER, AND OTHER REMEDIAL ACTIVITY WASTEWATER:

F.12. Remediation Waste. Does the treatment works currently (or has it been notified that it will) receive waste from remedial activities?

Yes (complete F.13 through F.15.) No

Provide a list of sites and the requested information (F.13 - F.15.) for each current and future site.

F.13. Waste Origin. Describe the site and type of facility at which the CERCLA/RCRA/ or other remedial waste originates (or is expected to originate in the next five years).

NA

F.14. Pollutants. List the hazardous constituents that are received (or are expected to be received). Include data on volume and concentration, if known. (Attach additional sheets if necessary).

NA

F.15. Waste Treatment.

a. Is this waste treated (or will it be treated) prior to entering the treatment works?

Yes No

If yes, describe the treatment (provide information about the removal efficiency):

NA

b. Is the discharge (or will the discharge be) continuous or intermittent?

Continuous Intermittent If intermittent, describe discharge schedule.

NA



END OF PART F.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

Topo Imagery Topo Imagery Hydro-NHD Hill Shade



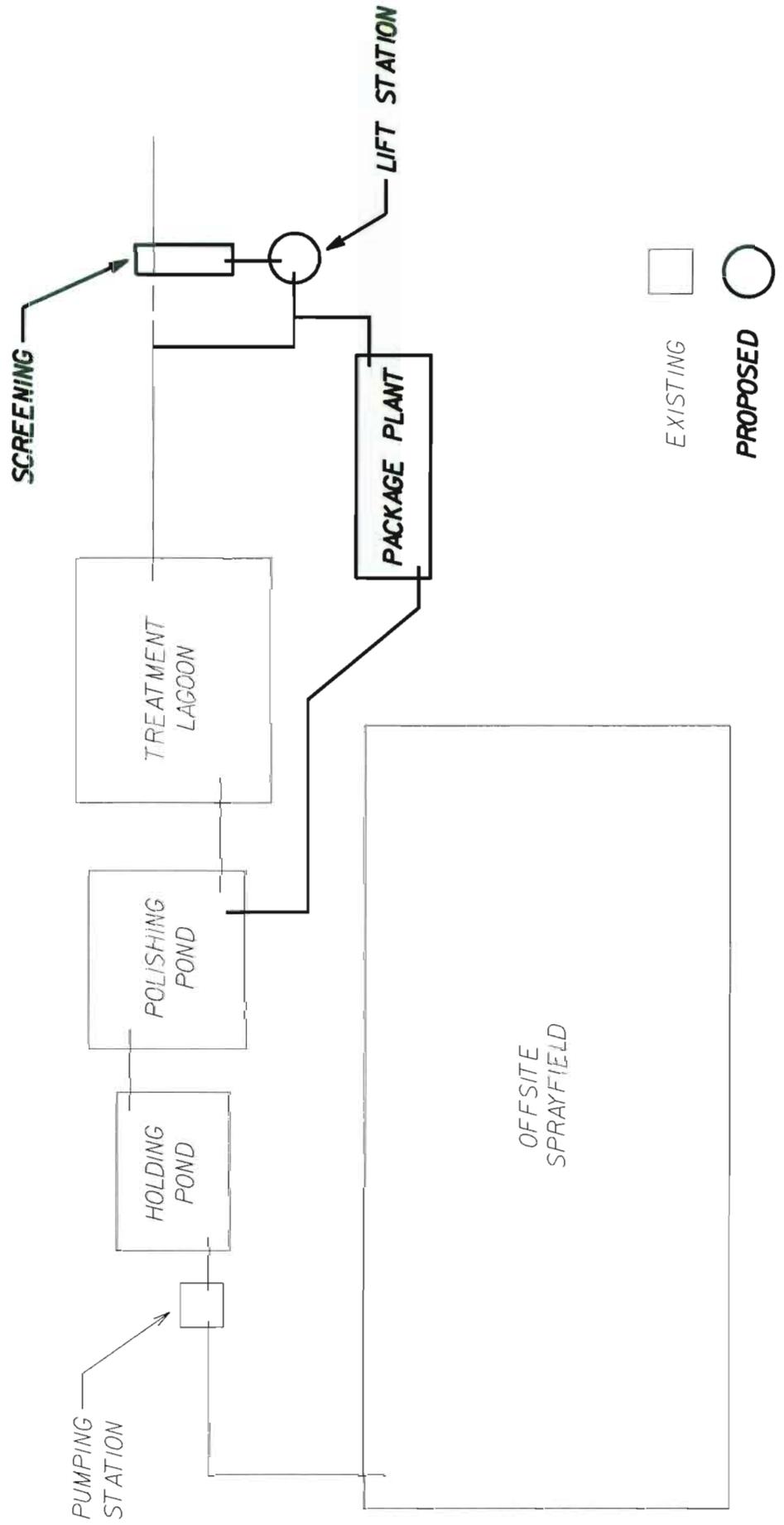
00 600ft

077° N 86° 00' 42.366" W USNG: 16S EB 92706 10241 (NAD 83)

Scale 1:9,028

FAQ | Accessibility | FOIA | Privacy | Policies

TOWN OF ECLECTIC WWTP



SUPPLEMENTARY INFORMATION
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
PERMIT APPLICATION FORM 188- Municipal, Semi-Public & Private Facilities

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WATER DIVISION – MUNICIPAL PERMIT SECTION
POST OFFICE BOX 301463
MONTGOMERY, ALABAMA 36130-1463

INSTRUCTIONS: APPLICATIONS SHOULD BE TYPED OR PRINTED IN INK AND SUBMITTED TO THE DEPARTMENT. PLEASE CONTINUE ON AN ATTACHED SHEET OF PAPER IF INSUFFICIENT SPACE IS AVAILABLE TO ADDRESS ANY ITEM BELOW. PLEASE MARK N/A IN THE APPROPRIATE BOX WHEN AN ITEM IS NON-APPLICABLE TO THE APPLICANT.

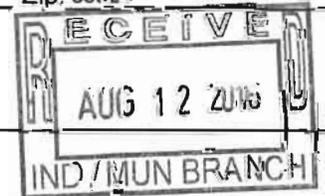
PURPOSE OF THIS APPLICATION

- | | |
|--|---|
| <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 | |

SECTION A – GENERAL INFORMATION

1. Facility Name: ECLECTIC LAGOON / SPRAYFIELD
 - a. Operator Name: TOWN OF ECLECTIC ALABAMA
 - b. Is the operator identified in 1.a, the owner of the facility? Yes No
If no, provide name and address of the operator and submit information indicating the operator's scope of responsibility for the facility.

 - c. Name of Permittee* if different than Operator: _____
**Permittee will be responsible for compliance with the conditions of the permit*
2. NPDES Permit Number AL 0067903 (Not applicable if initial permit application)
3. Facility Location: (**Attach a map with location marked; street, route no. or other specific identifier**)
Street: 700 SOUTH COLLEGE ST.
City: ECLECTIC County: ELMORE State: AL Zip: 36024
Facility (Front Gate) Location: Latitude (Deg Min Sec): 32.628040 Longitude (Deg. Min Sec): -86025131
4. Facility Mailing Address (Street or Post Office Box): 507 Main Street
City: ECLECTIC County: ELMORE State: AL Zip: 36024
5. Responsible Official (as described on page 7 of this application):
Name and Title: Gary Davenport MAYOR
Address: 145 MAIN STREET
City: ECLECTIC State: AL Zip: 36024
Phone Number: 334-541-4429
Email Address: (Optional): eclectic@elmoresr.com



6. Designated Facility/DMR Contact:

Name and Title: Steve McDonald System Operator

Phone Number: 334-740-9485

DMR Email Address (Optional – for receipt of blank DMR Forms): smac8219@gmail.com

7. Designated Emergency Contact:

Name and Title: Jennifer Lyle Town of Eclectic Water Works Mananger

Phone Number: 334-541-2840

Email Address (Required): jenn1879@yahoo.com

8. Please complete this section if the Applicant's business entity is a Proprietorship or limited liability Corporation with a responsible official not listed in Item 5.

a) Proprietor:

Name: NA

Address: _____

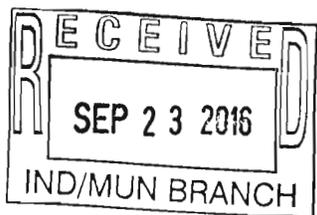
City: _____ State: _____ Zip: _____

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

<u>Permit Name</u>	<u>Permit Number</u>	<u>Held by</u>
<u>Eclectic Lagoon & Sprayfield</u>	<u>AL0067903</u>	<u>Town of Eclectic Water Works Dept.</u>
_____	_____	_____
_____	_____	_____

10. Identify all Administrative Complaints, Notices of Violation, Directives, or Administrative Orders, Consent Decrees, or Litigation concerning water pollution or other permit violations, if any against the Applicant within the State of Alabama in the past five years (attach additional sheets if necessary):

<u>Facility Name</u>	<u>Permit Number</u>	<u>Type of Action</u>	<u>Date of Action</u>
<u>Eclectic lagoon & Sprayfield</u>	<u>AL0067903</u>	<u>Notice of Violation</u>	<u>June 6 2014</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____



2. Report E-coli (Freshwater) or Enterococci (Coastal Waters) monitoring results for the past five years for each outfall if available:

Outfall Number	Ecoli or Enterococci	Maximum Daily E-coli / Enterococci Discharge (per 100 ml)	Maximum Monthly Average Discharge E-Coli / Enterococci Discharge (per 100 ml)	No. of Analyses	Analytical Method	ML/MDL
NA						

3. Attached a process flow schematic of the treatment process, including the size of each unit operation.

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

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

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:

NA

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

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

Addition of an extended aeration packaged treatment plant for additional lagoon system treatment for reduction in TKN.

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

Sludge Storage

Aerated Lagoon

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

Description of Waste

Quantity (lbs/day)

Disposal Method*

Sludge Storage

6.6

Retained in Aeration Lagoon

*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? Y/N
MADIX INC.	TREATED EFFLUENT FROM PAINT PROCESS	EXISTING	.020	IU 34-26-00170

2. Are industrial wastewater contributions regulated via a locally approved sewer use ordinance ? If so, 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, then complete items A through M below:

	YES	NO
A. Does the project require new construction?	<input type="checkbox"/>	<input type="checkbox"/>
B. Will the project be a source of new air emissions?	<input type="checkbox"/>	<input type="checkbox"/>
C. Does the project involve dredging and/or filling of a wetland area or water way?	<input type="checkbox"/>	<input type="checkbox"/>
Has the Corps of Engineers (COE) permit been issued?	<input type="checkbox"/>	<input type="checkbox"/>
Corps Project Number _____		
D. Does the project involve wetlands and/or submersed grassbeds?	<input type="checkbox"/>	<input type="checkbox"/>
E. Are oyster reefs located near the project site? (Include a map showing project and discharge location with respect to oyster reefs)	<input type="checkbox"/>	<input type="checkbox"/>
F. 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"/>
G. Does the project involve mitigation of shoreline or coastal area erosion?	<input type="checkbox"/>	<input type="checkbox"/>
H. Does the project involve construction on beaches or dunes areas?	<input type="checkbox"/>	<input type="checkbox"/>
I. Will the project interfere with public access to coastal waters?	<input type="checkbox"/>	<input type="checkbox"/>
J. Does the project lie within the 100-year floodplain?	<input type="checkbox"/>	<input type="checkbox"/>
K. Does the project involve the registration, sale, use, or application of pesticides?	<input type="checkbox"/>	<input type="checkbox"/>
L. 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"/>
M. 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

It is the applicant's responsibility to demonstrate the social and economic importance of the proposed activity, if subject to antidegradation requirements. In accordance with 40 CFR 131.12 and Section 335-6-10-.04 of the Alabama Department of Environmental Management Administrative Code, the following information must be provided, if applicable. 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 question 2 below. If "no", do not complete this section.
2. Has an Anti-Degradation Analysis been previously conducted and submitted to the Department for the new or increased discharge referenced in question 1? Yes No .

If "no" and the discharge is to a Tier II waterbody as defined in ADEM Admin. Code r. 335-6-10-.12(4), complete questions A through F below and also ADEM forms 311 and 312 or 313, whichever is applicable, (attached). Form 312 or 313, whichever is applicable, must be provided for each treatment discharge alternative considered technically viable. If "yes", do not complete this section.

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

- A. What environmental or public health problem will the discharger be correcting?
- B. Explain if and to what degree the discharger will be increasing employment as a result of the proposed discharge, either at its existing facility or as the result of the start-up of a related new facility or industry.
- C. Explain if and to what degree the discharge will prevent employment reductions?
- D. Describe any additional state or local taxes that the prospective discharger will be paying.
- E. Describe any public service the discharger will be providing to the community.
- F. Describe the economic or social benefit the discharger will be providing to the community.

SECTION G – EPA Application Forms

All Applicants must submit certain EPA permit application forms. More than one application form may be required from a municipal facility depending on the number and types of discharges or outfalls. The EPA application forms are found on the Department's website at <http://www.adem.state.al.us/> and are also listed in Attachment 4.

SECTION H– ENGINEERING REPORT/BMP PLAN REQUIREMENTS

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

SECTION I– RECEIVING WATERS

Receiving Water(s)	303(d) Segment? (Y / N)	Included in TMDL?*
NA - Land Application of treated wastewater		

*If a TMDL Compliance Schedule is requested the following should be attached as supporting documentation: (1) Justification for the proposed 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 reported 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 the 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 RULE 335-6-6-.09 "SIGNATORY REQUIREMENTS FOR PERMIT APPLICATIONS" (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."

"I FURTHER CERTIFY UNDER PENALTY OF LAW THAT THE RESULTS OF ANY ANALYSES REPORTED AS LESS THAN DETECTABLE IN THIS APPLICATION OR IN ATTACHMENTS THERETO WERE PERFORMED USING THE EPA APPROVED TEST METHOD HAVING THE LOWEST DETECTION LIMIT READILY ACHIEVABLE FOR THE SUBSTANCE TESTED."

SIGNATURE OF RESPONSIBLE OFFICIAL:



DATE SIGNED:

8/11/2016

(TYPE OR PRINT)

Gary Davenport

NAME OF RESPONSIBLE OFFICIAL:

Gary Davenport

OFFICIAL TITLE OF RESPONSIBLE OFFICIAL:

MAYOR

MAILING ADDRESS:

145 MAIN STREET ECLECTIC AL. 36024

AREA CODE & PHONE NUMBER:

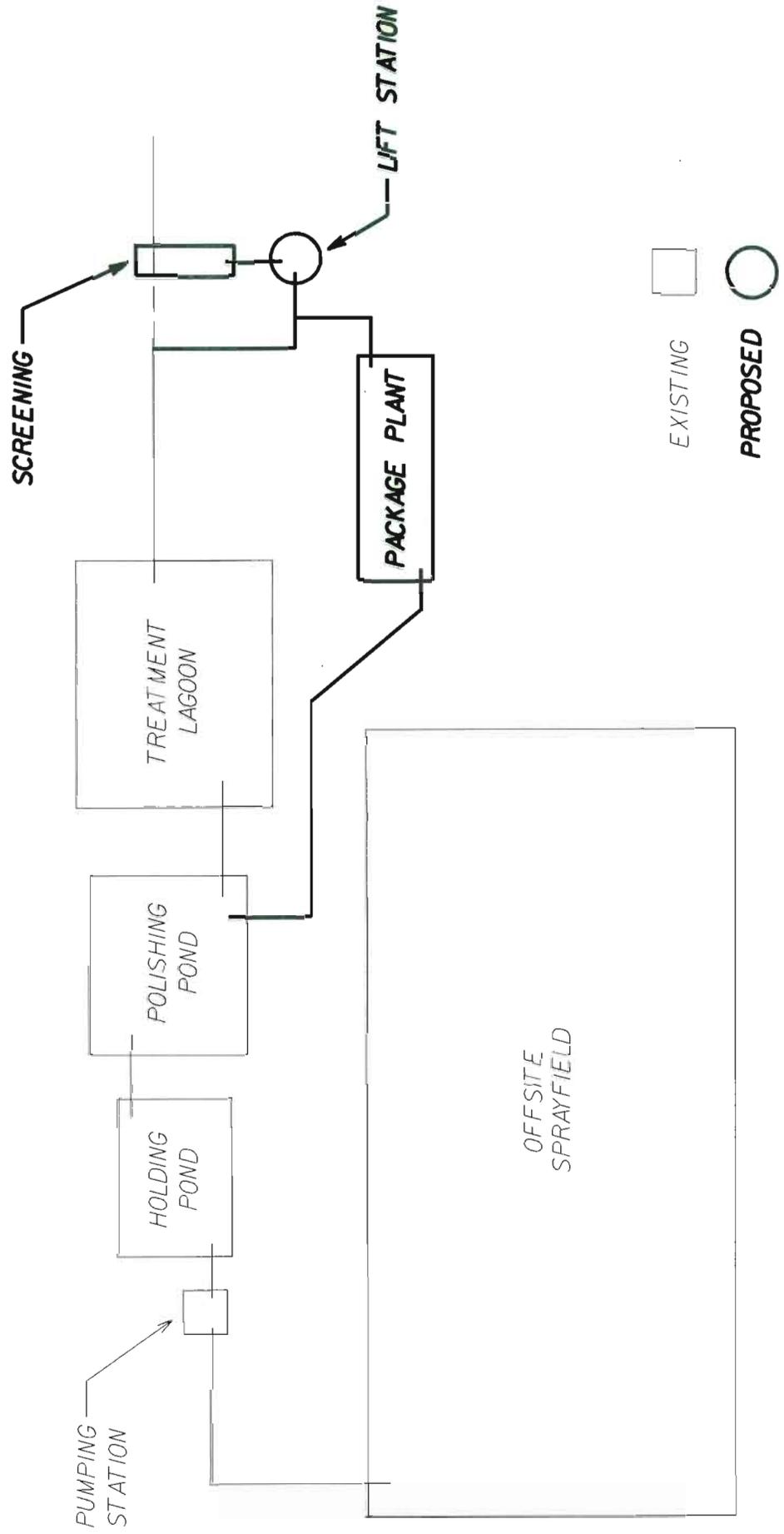
334-541-4429

SIGNATORY REQUIREMENTS FOR PERMIT APPLICATIONS

Responsible official is defined as follows:

1. 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
2. In the case of a partnership, by a general partner
3. In the case of a sole proprietorship, by the proprietor, or
4. In the case of a municipal, state, federal, or other public facility, by either a principal executive officer, or a ranking elected official.
5. In the case of a private or semi-public facility, the responsible official is either a principal executive officer or the owner of the corporation or other entity.

TOWN OF ECLECTIC WWTTP



Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
STW	NA	Na	NA	NA	NA

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

Influent sewage is collected from residences and business through a series of gravity sewer laterals and mains which flow to either a pumping station or directly to the lagoon treatment system. All influent sewage goes to the three cell lagoon treatment system located behind the Eclectic Elementary School. The influent sewage is aerated in the first cell, flows into the 2nd cell for settling and into the 3rd cell for polishing. The treated effluent is then pumped from the 3rd cell to a 14.5 acre sprayfield for disposal. The system has a pumping rate of 300 gpm with a daily application rate of less than .100 MGD. To minimize storm water runoff application of treated wastewater to field is not conducted during periods of rain. The sprayfield is inspected daily during application of treated wastewater to assure no runoff is occurring.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
NA	NA	NA

V. Nonstormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed
NA	NA	

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

NA

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

NA

Continued from Page 2

EPA ID Number (copy from Item 1 of Form 1)

VII. Discharge Information

A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided.
Table VII-A, VII-B, VII-C are included on separate sheets numbers VII-1 and VII-2.

E. Potential discharges not covered by analysis – is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

Yes (list all such pollutants below)

No (go to Section IX)

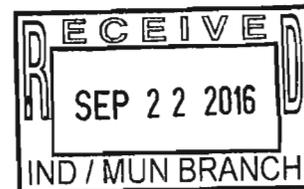
NA

VIII. Biological Toxicity Testing Data

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 3 years?

Yes (list all such pollutants below)

No (go to Section IX)



IX. Contract Analysis Information

Were any of the analyses reported in Item VII performed by a contract laboratory or consulting firm?

Yes (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

No (go to Section X)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Environmental Resource Analysts (ERA)	2975 Brown Court Auburn , Al 36830	334-502-3444	Ammonia CBOD E. Coli NO2 - /NO3 pH TKN Total Phosphorous TSS

X. 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 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.

A. Name & Official Title (Type Or Print)

Gary Davenport Mayor

B. Area Code and Phone No.

(334) 541-4429

C. Signature

D. Date Signed

9/21/2016

NOTES

SPRINKLER: SEMINGER 40SRD-1 1/4" M.
 1/2" NOZZLE - (1382")

SPRINKLER SPACING: 20' x 120'

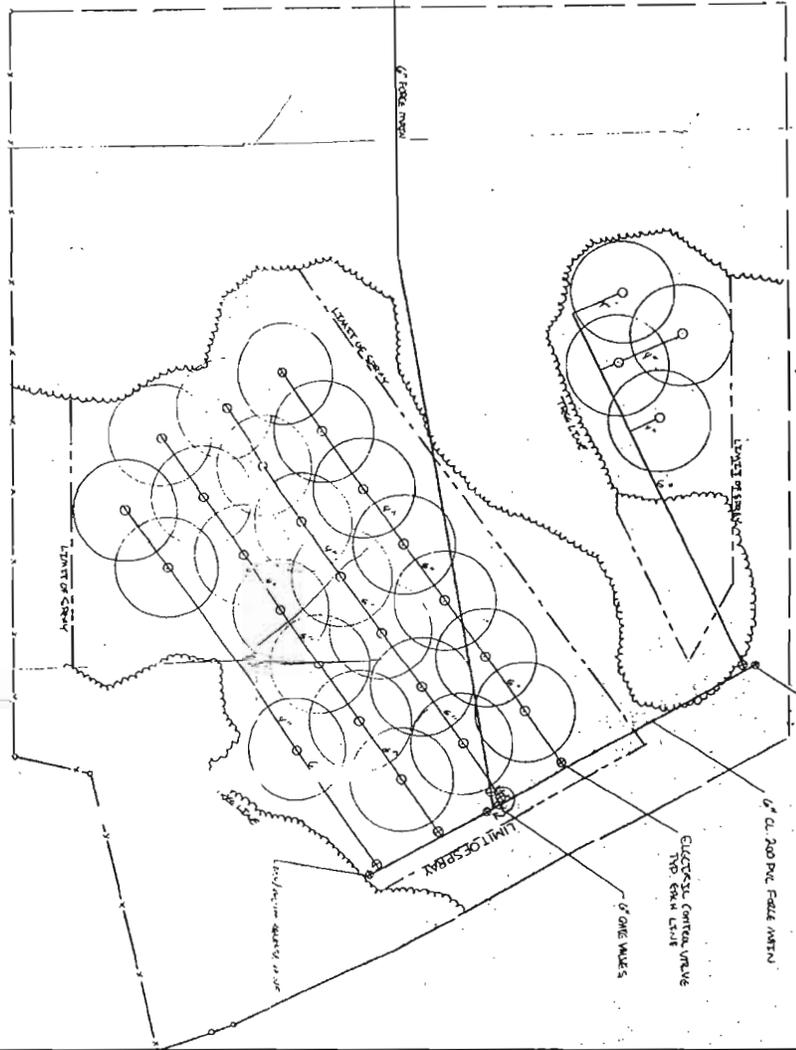
FLOW RATE: 300 GPM

NUMBER ZONES: 4 with 7 sprinklers per zone

PRESSURE: @ 80 PSI, 70.6 psi

SPRINKLER PERFORMANCE: 38.8 gpm / spkr.
 70.4 psi / spkr.
 0.28 inches / hr.
 277 gpm / 7 spkr.

FORMULA: $38.8 \text{ gpm} \times 38.8$
 $120' \times 120' = 0.28 \text{ in./hr.}$



DRAINAGE AREA ----->

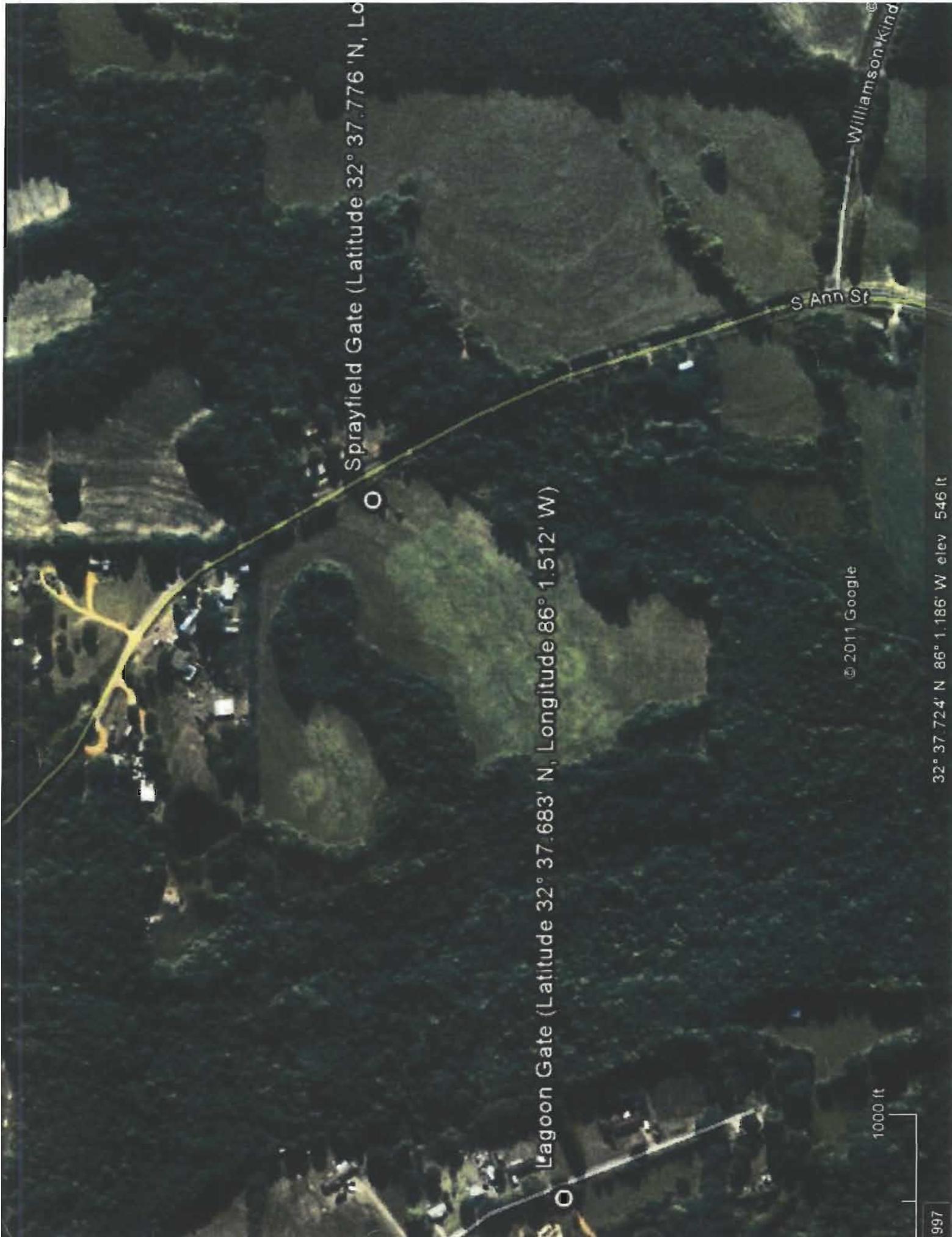
Storm Water Sample Point

Latitude 32.27294 Longitude -86.020391

SPRAY IRRIGATION FIELD
 FOR
 ECLECTIC, ALABAMA

Drawn	8/2/16
Scale	1" = 50'
Checked	TT
Date	8/1/16
Sheet	1
Of	1

Revisions	



Sprayfield Gate (Latitude 32° 37.776' N, Lo



Lagoon Gate (Latitude 32° 37.683' N, Longitude 86° 1.512' W)



S Ann St

Williamson Kind

© 2011 Google

1000 ft

32° 37.724' N 86° 1.186' W elev 546 ft

1997



Eclectic Sprayfield
Site Location

0 1000ft

Eclectic Spray Field Monitoring Wells & Stream Monitoring Points - Latitude and Longitude

- Monitoring Well #1 32.630543 Latitude -86.019656 Longitude
- Monitoring Well #2 32.629589 Latitude -86.022664 Longitude
- Monitoring Well #3 32.626986 Latitude -86.019887 Longitude
- Monitoring Well #4 32.627017 Latitude -86.021866 Longitude

Tumkeehatchee Creek Upstream Monitoring Point
32.630472 Latitude -86.022952 Longitude

Downstream Monitoring Point
32.626938 Latitude -86.021982 Longitude

PRELIMINARY ENGINEERING REPORT

TOWN OF ECLECTIC WWTP IMPROVEMENTS

DESCRIPTION OF THE PROBLEM

- The Eclectic wastewater lagoon has a capacity of 100,000 gallons per day. Average monthly flows have recently increased to the range of 90,000 gallons per day and have begun to exceed the 90% threshold used in ADEM's MWPP for increased risk of overflows and treatment capacity issues. The Town has been, and must continue to be proactive in avoiding these problems instead of waiting until they happen to react.
- Due to a lack of screening, non-degradable solids such as plastic, wood, rubber, etc. are entering the lagoon and jeopardizing treatment capacity. In addition to the non-degradable solids, the typical buildup of solids has caused a loss of treatment volume of the lagoon system. This lack of treatment volume led to problems meeting the permit limits for TKN.
- This problem has been temporarily aided by the increase of permit limit for TKN from 20 mg/l to 30 mg/l. However, it is anticipated that long term, this limit will again be exceeded if the capacity of the plant is not increased.
- The aerators become jammed frequently with non-degradable solids as well as paper hand towels from the school. This jamming causes the electrical motors to lock up and trip the circuit breakers. The solids then have to be removed from the aerators manually before they will restart. This is a tremendous burden on Town staff and it causes a shorter life expectancy for the electric motors because of the overheating that is caused before the circuit breaker is tripped. This issue with solids taking the aerators off line leads to diminished treatment capacity of the lagoon because air is not being entrained into the lagoon constantly. This lack of oxygen slows the treatment process and leads to the permit limits issues described above.
- The lagoons are nearing 20 years of age and have been maintained well by the Town. The age of the lagoon is approaching the time frame in which you would expect upgrades or expansion to be appropriate.

DESCRIPTION OF THE SOLUTION

- The best and most cost effective solution is to install a package plant in parallel with the lagoon. This upgrade will include screening and a lift station. The flow from the lift station will then be sent to the existing lagoon and the new package plant at a rate of 50% each. This will allow the treatment capacity of the lagoon

to continue to be used but not overtaxed. This arrangement will allow for an efficient treatment process and provide for the ability to meet the permit limits.

- The increased capacity from a packaged plant working in parallel with the existing lagoon will allow for future growth as well as economic development.
- The Town stopped receiving septic tank hauler loads as violations to the permit limits began and will continue to do so until excess capacity is available.
- Because the expanded plant will be a combination of a lagoon system and a package plant, it is requested that permit limits be set as an average of the two systems. The expanded plant is designed to send 50% of the wastewater volume to the existing lagoons and 50% to the package plant. The effluent from the two processes will be blended in the two polishing ponds before being pumped to the spray-field for land application.

PROJECT ALTERNATIVES

Alternatives to the solution outlined *(followed by viability of the alternative in parenthesis)*

- 1) Do nothing *(this is not an acceptable options because the problems will only become worse and the treatment capacity will continue to deteriorate. This will lead to endangerment of the environment and human health as well as fines and a Consent Order from ADEM; therefore, this is not a viable alternative)*
- 2) Clean the existing lagoon *(quotes have been received that put cleaning in the range of \$1,000,000 or more. Adding the treatment plant will be cheaper as well as being a more efficient treatment process; therefore, this is not a cost effective alternative)*
- 3) The wastewater could be pumped to the treatment facility of an adjoining town *(the nearest treatment facility is located approximately 15 miles away in Tallassee. The cost of pumping this distance would be in the range of \$2,000,000 therefore this is not a cost effective alternative)*

LIFE EXPECTANCY AND UPKEEP

The life expectancy of the new plant will be 20+ years. The Town of Eclectic will continue to operate and maintain the wastewater treatment plant as they have done for the last 17 years. The Town employees a full-time sewer system employee as well as contracts with an ADEM certified operator. This arrangement is very common with small systems and allows for both an efficient budget and proper collection and treatment. The effluent pumping system and spray field continues to be a cost effective and efficient means of disposal. Other than routine maintenance and replacement of pumps, spray heads, and controls, this means of disposal will continue to operate in a positive manner for the Town for many, many years to come.

CE CHAMBLISS ENGINEERING, LLC

356 Highway 82 West, Prattville, AL 36067 334-491-2323 clyde@chamblissengineering.com

August 12, 2016

Shandra Torbert
ADEM Municipal Section – Water Division
1400 Coliseum Boulevard
Montgomery, Alabama 36110

RE: Permit Re-issuance, NPDES Permit No AL0067903
Eclectic Lagoon and Sprayfield Elmore County, AL

Ms. Torbert,

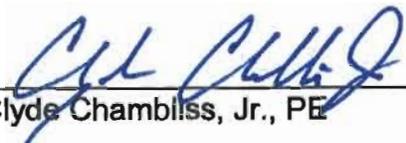
Attached is ADEM Form 188, EPA Form 1, and EPA Form 2A along with the required attachments. This permit re-issuance application is being submitted on behalf of the Town of Eclectic in advance of construction of a 100,000 gpd extended aeration package plant but also because the current permit expires on May 31, 2017.

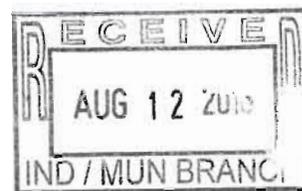
Plans and specifications for the construction project are included for review and permitting. If you require full size printed copies and/or would like digital copies, please let me know.

As you will see from the submittals, we are requesting that permit limits be set as an average of the current lagoon permits with typical package plant permits since we will be sending 50% of the flow to the existing lagoon and 50% to the package plant. The only exception is that we would greatly appreciate you allowing us to keep the 30 mg/l TKN permit based on the TTL study and previous permit modification since we know that the spray field can effectively handle this limit.

If you have questions, or need additional information, please do not hesitate to call.

Sincerely,
CHAMBLISS ENGINEERING, LLC


Clyde Chambliss, Jr., PE



Enclosure: Bid Tabulation

CCJ/cc

cc: Hon. Gary Davenport, Mayor
Steve McDonald, Operator

10/20/2016

Shanda Torbert
Municipal Section
Water Division ADEM
PO Box 301463 Montgomery, AL. 36130

Ms. Torbert,

In response to the permit application for the Town of Eclectic, I would like to resubmit updated GPS coordinates for the test well, storm water monitoring, and stream monitoring sample locations. Please review EPA Form 2F for accuracy and the attached sheets for sampling locations. In response to an internal sampling point for the current lagoon, I need to inform the Department that due to the current flow design and piping elevation, obtaining a current valid representative sample from lagoon cell one is not possible. Installing a valid sample point for the lagoon one effluent to be sampled prior to comingling with the package plant effluent will require excavating the current lagoon dike between cell one and cell two that could cause the structural integrity of the dike to be compromised. Obtaining a representative sample from the proposed package plant will be possible prior to comingling with the effluent flow from lagoon cell one. The package plant sample will be collected in a manhole that will be installed prior to the package plant effluent discharging into the existing polishing pond. The package plant process effluent samples will be collected to assure the plant is operating at optimal efficiency. The current wastewater facility effluent sample point is located at the spray field pump station on discharge piping. This sample represents the final effluent prior to discharge to the sprayfield. The effluent flow from the package plant will comeingle in the current polishing pond (cell two) with the effluent flow from the aerated lagoon (cell one). The permit required effluent samples will then be collected at the effluent discharge piping for the sprayfield. The GPS coordinates for the final effluent sample are 32°37'39.12"N LAT. 86°01'32.61"W Long. This will be a representative sample of both the lagoon process and the package plant process prior to discharge.

In response to the stream monitoring location of upstream and downstream sampling of Tumkeehatchee Creek please record the follow GPS coordinates:

Upstream Sampling 32°37'49.60"N 86°01'20.51"W

Downstream Sampling 32°37'36.99"N 86°01'15.16"W

At this time the Town of Eclectic would like to revoke and reissue our current NPDES (AL0067903). We feel it is in the best interest of the town to proceed with a final permit for our upgraded facility.

We greatly appreciate your time and assistance during this permitting process.

Sincerely,



Steve McDonald
McDonald Wastewater Services LLC

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
STW	NA	14.5 acres	NA	NA	NA

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water, method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

Influent sewage is collected from residences and business through a series of gravity sewer laterals and mains which flow to either a pumping station or directly to the lagoon treatment system. All influent sewage goes to the three cell lagoon treatment system located behind the Eclectic Elementary School. The influent sewage is aerated in the first cell, flows into the 2nd cell for settling and into the 3rd cell for polishing. The treated effluent is then pumped from the 3rd cell to a 14.5 acre sprayfield for disposal. The system has a pumping rate of 500 gpm with a daily application rate of less than .100 MGD. To minimize storm water runoff application of treated wastewater to field is not conducted during periods of rain. The sprayfield is inspected daily during application of treated wastewater to assure no runoff is occurring. No herbicides or commercial fertilizers are applied to the sprayfield area.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
STW	NA	NA

V. Nonstormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed
NA	NA	

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

NA

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

NA

Continued from Page 2

EPA ID Number (copy from Item 1 of Form 1)

VII. Discharge Information

A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided.
Table VII-A, VII-B, VII-C are included on separate sheets numbers VII-1 and VII-2.

E. Potential discharges not covered by analysis – Is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

Yes (list all such pollutants below) No (go to Section IX)

NA

VIII. Biological Toxicity Testing Data

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 3 years?

Yes (list all such pollutants below) No (go to Section IX)

NA

IX. Contract Analysis Information

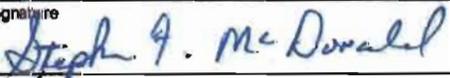
Were any of the analyses reported in Item VII performed by a contract laboratory or consulting firm?

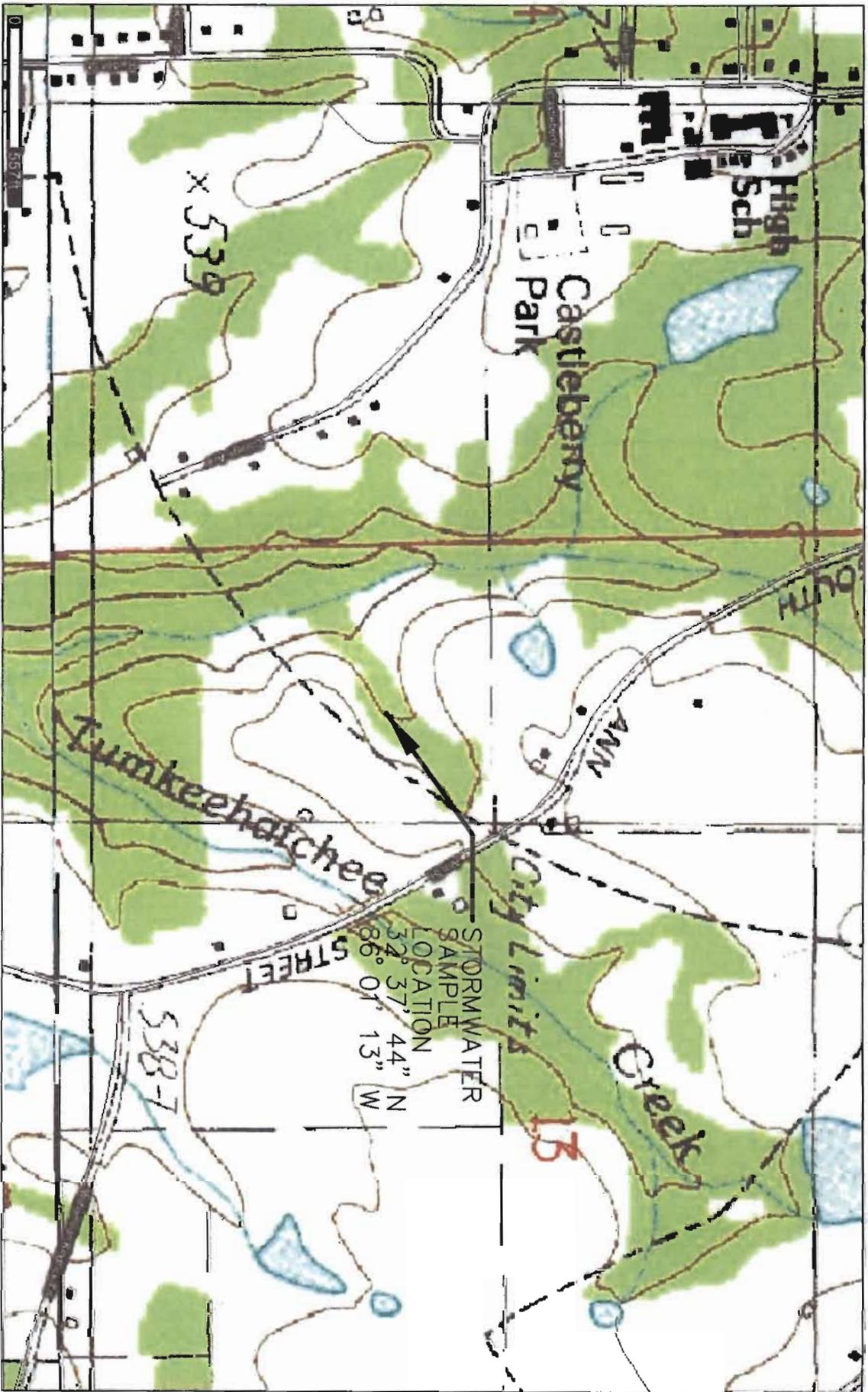
Yes (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below) No (go to Section X)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Environmental Resource Analysts (ERA)	2975 Brown Court Auburn, AL 36830	334-502-3444	Ammonia CBOD E. Coli NO2-/NO3 pH TKN Total Phosphorous TSS

X. 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 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.

A. Name & Official Title (Type Or Print) Stephen F. McDonald / Wastewater System Operator	B. Area Code and Phone No. (334) 740-9485
C. Signature 	D. Date Signed 10/20/2014



BRYAN A. SHIRLEY, RLS
305 WITTEL AVENUE
OPELIKA, AL 36804
334-745-6434 Office
334-444-8628 Mobile

Coordinates for Sprayfield Monitoring Wells
Eclectic, Alabama

Shots taken on the top (about waist-level) of the PVC pipe. Metal box-lid was unlocked, opened, and inside screw-cap removed. There appeared to be a black magic-marker spot about 3/4" wide that was colored on a part of pipe end. Shot was taken on this colored spot.

Coordinates are given in NAD83 datum. May or may not coincide with Google map datum.

Degrees, Minutes, Seconds

Location	Latitude	Longitude	Elevation (sea level)
MW-1	32*37'49.71303"	-86*01'10.80800"	549.68'
MW-2	32*37'46.31672"	-86*01'21.53603"	513.53'
MW-3	32*37'36.94756"	-86*01'11.59049"	530.53'
MW-4	32*37'37.18692"	-86*01'18.68543"	488.75'
Gate Latch	32*37'46.63959"	-86*01'06.97907"	537.67'



LEGEND

- MW #1 GROUNDWATER MONITORING WELL
- 538.38 GROUNDWATER ELEVATION (ftms)
- ESTIMATED GROUNDWATER CONTOUR LINE
- ESTIMATED GENERAL GROUNDWATER FLOW DIRECTION

Base Map: Google Earth
Well Location Information Provided
Bryan A. Shirley, RLS

Google earth

**GROUNDWATER CONTOUR MAP
SEPTEMBER 16, 2015
GROUNDWATER MONITORING EVENT
ECLECTIC SPRAYFIELD**

Environmental Resource Analysts, Inc.
2975 Brown Court
Auburn Technology Park
Auburn, Alabama 36830

FIGURE NO. 1

PROJECT NO. 611-11



DATE: SEPTEMBER 16, 2015

**Town of Eclectic
Sampling Points
AL0067903
10/21/2016**

Upstream Sampling Point

32°37'49.60"N; 86°01'20.51"W

32°37'40.05"N; 86°01'33.76"W (approx.)

Mechanical Plant Sampling Point

Final Effluent Sampling Point

32°37'39.12"N; 86°01'32.61W

Downstream Sampling Point

32°37'36.99"N; 86°01'15.16"W



356 Highway 82 West, Prattville, AL 36067 334-491-2323 clyde@chamblissengineering.com

October 21, 2016

Emily Anderson
ADEM Municipal Section – Water Division
1400 Coliseum Boulevard
Montgomery, Alabama 36110

RE: Permit Re-issuance, NPDES Permit No AL0067903
Eclectic Lagoon and Sprayfield Elmore County, AL

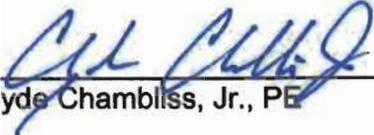
Ms. Anderson,

Thank you for working with us regarding the permitting for the Town of Eclectic. The following should answer the questions that we discussed.

- 1) We request that the current permit be revoked and re-issued.
- 2) Updated information is included that clarifies the stream and stream monitoring
- 3) We respectfully request that we be able to sample the effluent of the mechanical plant, and the effluent of the comingled effluent since we are not able to obtain a representative sample from the lagoon only portion of the system.
- 4) The schematic has been updated to include the pertinent design flow rates and is attached.

Supporting documentation and information from our certified operator, Steve McDonald is also included for your review. If you have any questions, please let me know.

Sincerely,
CHAMBLISS ENGINEERING, LLC

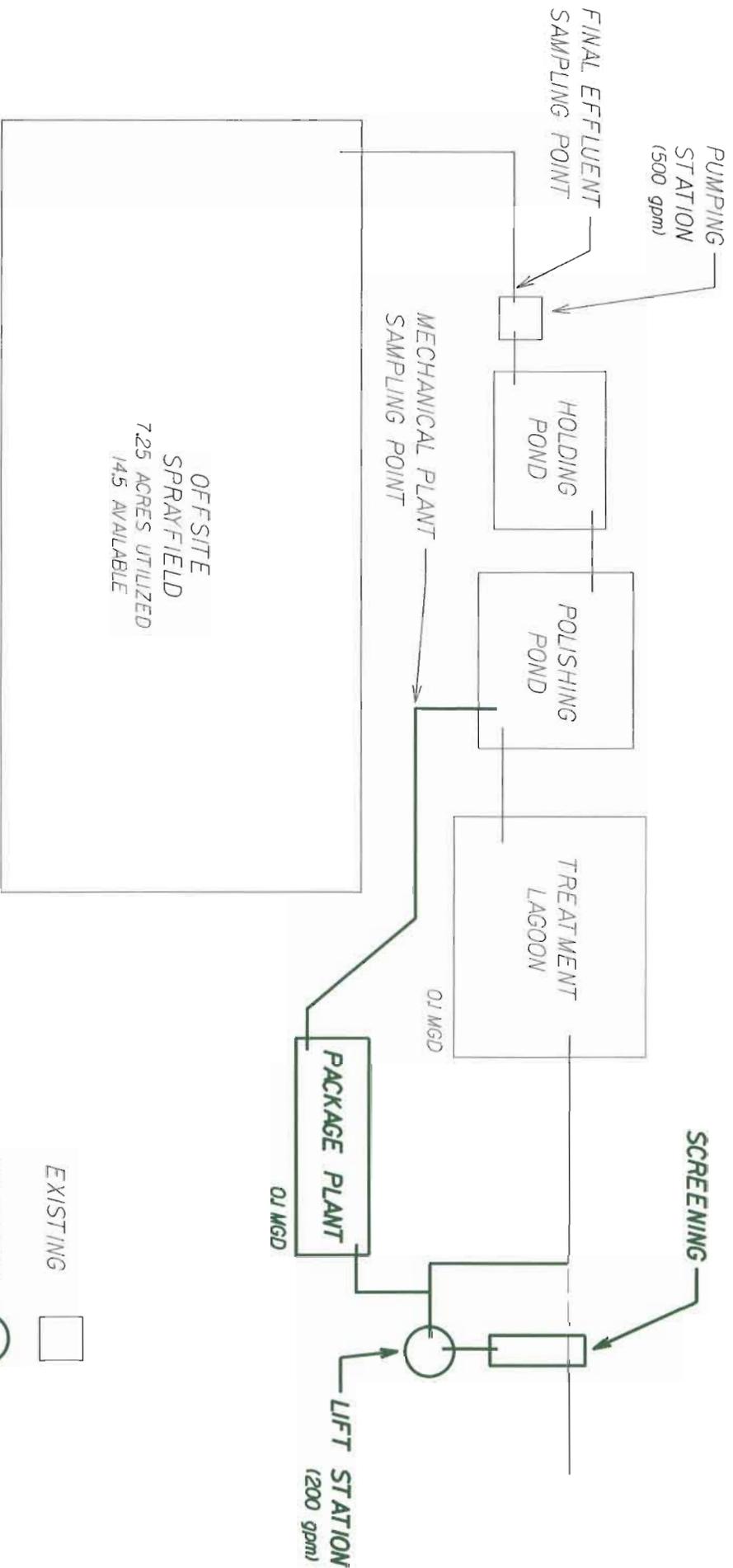

Clyde Chambliss, Jr., PE

Enclosure: Bid Tabulation

CCJ/cc

cc: Hon. Gary Davenport, Mayor
Steve McDonald, Operator

TOWN OF ECLECTIC WWTP



Torbert, Shanda R

From: Clyde Chambliss <clyde@chamblissengineering.com>
Sent: Monday, October 24, 2016 8:37 AM
To: Torbert, Shanda R; Anderson, Emily D
Cc: Gary Davenport; McDonald Wastewater Services LLC
Subject: RE: Eclectic permit
Attachments: McDonald.Scan.response.to.ADEM.pdf; Eclectic.Sampling.Points.2016.10.21.pdf; CE.letter.ADEM.permit.response.01.pdf; Master.dgn.WWTP.schematic_2016.10.21.pdf

Shanda and Emily,

Attached is updated information that we trust will complete the application for the expansion of the Eclectic WWTP.

We look forward to reviewing your draft of the new permit.

Thank you,

Clyde Chambliss, Jr., P.E.

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