**LANCE R. LEFLEUR**
DIRECTOR

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Alabama Department of Environmental Management
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Montgomery, Alabama 36130-1463
(334) 271-7700 ▪ FAX (334) 271-7950

APR 2 0 2020

Mr. John W. Todd, Owner/Manager
Conway Acres Trailer Park
2038 Lee Road 137 (Wire Road)
Auburn, AL 36832

RE: Draft Permit
NPDES Permit No. AL0064955
Conway Acres Trailer Park
Lee County, Alabama

Dear Mr. Todd:

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 Program for submittal of DMRs upon issuance of this permit unless valid justification as to why you cannot participate is submitted in writing. Please also be aware that Part I.C.2.e of your permit requires that you apply for participation in the Department's web-based electronic environmental (E2) reporting system for submittal of **SSOs** within 30 days of coverage under this permit unless valid justification as to why you cannot participate is submitted in writing. After issuance of the permit, SSO hotline notifications and hard copy Form 415 SSO reports 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.

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

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

Should you have any questions, please contact the undersigned by email at storbert@adem.alabama.gov or by phone at (334) 271-7800.

Sincerely,

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)

Alabama Department of Environmental Management

# NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

| | | |
|---|---|---|
| PERMITTEE: | JOHN TODD<br>2038 LEE ROAD 137 (WIRE ROAD)<br>AUBURN, ALABAMA 36832 | |
| FACILITY LOCATION: | CONWAY ACRES TRAILER PARK<br>2038 LEE COUNTY ROAD 137 (WIRE ROAD)<br>AUBURN, ALABAMA<br>LEE COUNTY | (0.04) MGD |
| PERMIT NUMBER: | AL0064955 | |
| RECEIVING WATERS: | LAND APPLICATION (0021)<br>UNNAMED TRIBUTARY TO CHOCTAFAULA CREEK (003S, 006S, AND 007S) | |

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

ISSUANCE DATE:

EFFECTIVE DATE:

EXPIRATION DATE:

**Draft**

Alabama Department of Environmental Management

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

## TABLE OF CONTENTS

# PART I DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

## A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

1. Outfall 0021 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 0021, 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<br>00400 1 0 0 | ***** | ***** | ***** | ***** | 6.0<br>S.U. | 9.0<br>S.U. | ***** | E | GRAB | G | ***** |
| Solids, Total Suspended<br>00530 1 0 0 | REPORT<br>lbs/day | REPORT<br>lbs/day | 90.0<br>mg/l | 135<br>mg/l | ***** | ***** | ***** | E | GRAB | G | ***** |
| Solids, Total Suspended<br>00530 G 0 0 | REPORT<br>lbs/day | REPORT<br>lbs/day | REPORT<br>mg/l | REPORT<br>mg/l | ***** | ***** | ***** | I | GRAB | G | ***** |
| Nitrogen, Total (As N)<br>00600 1 0 0 | REPORT<br>lbs/day | REPORT<br>lbs/day | REPORT<br>mg/l | REPORT<br>mg/l | ***** | ***** | ***** | E | GRAB | G | ***** |
| Nitrogen, Ammonia Total (As N)<br>00610 1 0 0 | REPORT<br>lbs/day | REPORT<br>lbs/day | REPORT<br>mg/l | REPORT<br>mg/l | ***** | ***** | ***** | E | GRAB | G | ***** |
| Nitrogen, Nitrate Total (As N)<br>00620 1 0 0 | REPORT<br>lbs/day | REPORT<br>lbs/day | REPORT<br>mg/l | REPORT<br>mg/l | ***** | ***** | ***** | E | GRAB | G | ***** |
| Nitrogen, Kjeldahl Total (As N)<br>00625 1 0 0 | REPORT<br>lbs/day | REPORT<br>lbs/day | 20.0<br>mg/l | 30.0<br>mg/l | ***** | ***** | ***** | E | GRAB | G | ***** |
| Phosphorus, Total (As P)<br>00665 1 0 0 | REPORT<br>lbs/day | REPORT<br>lbs/day | REPORT<br>mg/l | REPORT<br>mg/l | ***** | ***** | ***** | E | GRAB | G | ***** |
| Flow, In Conduit or Thru Treatment Plant<br>50050 1 0 0 | REPORT<br>MGD | ***** | ***** | ***** | ***** | REPORT<br>MGD | ***** | E | CONTIN | A<br>See Note 5 | ***** |
| Flow, In Conduit or Thru Treatment Plant<br>50050 G 0 0 | REPORT<br>MGD | ***** | ***** | ***** | ***** | REPORT<br>MGD | ***** | I | CONTIN | A<br>See Note 6 | ***** |

* See Part II.C.1. (Bypass); Part II.C.2. (Upset) ); See Part IV.E. (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
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 - I 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 (May – October)
ECW = E. coli Winter (November – April)

(5) Flow to the sprayfield

(6) Flow to the holding pond

(7) If only one sampling event occurs during a 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 0021 continued on the next page**

2. Outfall 0021 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 0021, 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) (5) Measurement Frequency | (4) Seasonal |
| Coliform, Fecal General<br>74055 1 0 0 | ***** | ***** | 2000<br>col/100mL | ***** | ***** | 4000<br>col/100mL | ***** | E | GRAB | G | ***** |
| BOD, Carbonaceous 05 Day, 20C<br>80082 1 0 0 | REPORT<br>lbs/day | REPORT<br>lbs/day | 45.0<br>mg/l | 67.5<br>mg/l | ***** | ***** | ***** | E | GRAB | G | ***** |
| BOD, Carbonaceous 05 Day, 20C<br>80082 G 0 0 | REPORT<br>lbs/day | REPORT<br>lbs/day | REPORT<br>mg/l | REPORT<br>mg/l | ***** | ***** | ***** | I | GRAB | G | ***** |

* See Part II.C.1. (Bypass); Part II.C.2. (Upset); See Part IV.E. (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
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 (May – October)
ECW = E. coli Winter (November – April)

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

3. Outfalls 003S, 006S and 007S Discharge Limits

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee shall monitor from Outfalls 003S 006S, and 007S, which are described more fully in the Permittee's application as Outfalls 1, 2, and 3. Such outfalls shall be monitored by the Permittee as specified below [5 and 6]:

| 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<br>00400 SW 0 0 | ***** | ***** | ***** | ***** | REPORT<br>S.U. | REPORT<br>S.U. | ***** | SW | GRAB | H | ***** |
| Solids, Total Suspended<br>00530 SW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT<br>mg/l | ***** | SW | GRAB | H | ***** |
| Nitrogen, Ammonia Total (As N)<br>00610 SW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT<br>mg/l | ***** | SW | GRAB | H | ***** |
| Nitrogen, Kjeldahl Total (As N)<br>00625 SW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT<br>mg/l | ***** | SW | GRAB | H | ***** |
| Nitrite Plus Nitrate Total 1 Det. (As N)<br>00630 SW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT<br>mg/l | ***** | SW | GRAB | H | ***** |
| Phosphorus, Total (As P)<br>00665 SW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT<br>mg/l | ***** | SW | GRAB | H | ***** |
| Flow, In Conduit or Thru Treatment Plant<br>50050 SW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT<br>MGD | ***** | SW | CALCTD | H | ***** |
| E. Coli<br>51040 SW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT<br>col/100mL | ***** | SW | GRAB | H | ***** |
| BOD, Carbonaceous 05 Day, 20C<br>80082 SW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT<br>mg/l | ***** | SW | GRAB | H | ***** |

* See Part II.C.1. (Bypass); Part II.C.2. (Upset); See Part IV.E. (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
SW – Storm Water

(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 (May – October)
ECW = E. coli Winter (November – April)

(5) *F (Insufficient Flow for Sampling) should be utilized on the eDMR if the sprayfield was utilized during monitoring period but there was insufficient flow to collect a sample during the measurable storm event.

(6) No Discharge should only be used if the stormwater outfall did not discharge any water during the monitoring period.

***Note: The Permittee is required to sample and report analytical data for only one of the three (3) stormwater outfalls from the spray fields for each quarterly monitoring period. The Permittee shall sample representative storm water outfall (Outfall 003S). Test results for the single outfall sampled shall be representative of all 3 outfalls.**

4. Outfall 004U 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 from Outfall 004U, which is a designated outfall for upstream monitoring. Such outfall shall be monitored by the Permittee as specified below[5]:

| 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 5 0 0 | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | ***** | US | GRAB | H | ***** |
| pH 00400 5 0 0 | ***** | ***** | ***** | ***** | REPORT S.U. | REPORT S.U. | ***** | US | GRAB | H | ***** |
| Solids, Total Suspended 00530 5 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | US | GRAB | H | ***** |
| Nitrogen, Ammonia Total (As N) 00610 5 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | US | GRAB | H | ***** |
| Nitrogen, Kjeldahl Total (As N) 00625 5 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | US | GRAB | H | ***** |
| Nitrite Plus Nitrate Total 1 Det. (As N) 00630 5 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | US | GRAB | H | ***** |
| Phosphorus, Total (As P) 00665 5 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | US | GRAB | H | ***** |
| E. Coli 51040 5 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT col/100mL | ***** | US | GRAB | H | ***** |
| BOD, Carbonaceous 05 Day, 20C 80082 5 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | US | GRAB | H | ***** |

* See Part II.C.1. (Bypass); Part II.C.2. (Upset); See Part IV.E. (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
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
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 (May – October)
ECW = E. coli Winter (November – April)

(5) *F (Insufficient Flow for Sampling) should be utilized on the eDMR if the sprayfield was utilized during monitoring period but there was insufficient flow to collect a sample during the measurable storm event.

5. Outfall 005D 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 from Outfall 005D, which is a designated outfall for downstream monitoring. Such outfall shall be monitored by the Permittee as specified below[5]:

| 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 6 0 0 | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | ***** | DS | GRAB | H | ***** |
| pH 00400 6 0 0 | ***** | ***** | ***** | ***** | REPORT S.U. | REPORT S.U. | ***** | DS | GRAB | H | ***** |
| Solids, Total Suspended 00530 6 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | DS | GRAB | H | ***** |
| Nitrogen, Ammonia Total (As N) 00610 6 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | DS | GRAB | H | ***** |
| Nitrogen, Kjeldahl Total (As N) 00625 6 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | DS | GRAB | H | ***** |
| Nitrite Plus Nitrate Total 1 Det. (As N) 00630 6 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | DS | GRAB | H | ***** |
| Phosphorus, Total (As P) 00665 6 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | DS | GRAB | H | ***** |
| E. Coli 51040 6 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT col/100mL | ***** | DS | GRAB | H | ***** |
| BOD, Carbonaceous 05 Day, 20C 80082 6 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | DS | GRAB | H | ***** |

* See Part II.C.1. (Bypass); Part II.C.2. (Upset); See Part IV.E. (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
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
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 (May – October)
ECW = E. coli Winter (November – April)

(5) *F (Insufficient Flow for Sampling) should be utilized on the eDMR if the sprayfield was utilized during monitoring period but there was insufficient flow to collect a sample during the measurable storm event.

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 from Outfall MW11, which represents a monitoring well. Such outfall shall be monitored by the Permittee as specified below [6]:

| 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 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Nitrogen, Ammonia Total (As N) 00610 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Nitrogen, Nitrite Total (As N) 00615 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Nitrogen, Nitrate Total (As N) 00620 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Phosphorus, Total (As P) 00665 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Carbon, Tot Organic (TOC) 00680 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Methylene Blue Active Substances 47021 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| E. Coli 51040 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT col/100mL | ***** | MW | GRAB | See Note 5 | ***** |
| Coliform, Fecal General 74055 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT col/100mL | ***** | MW | GRAB | See Note 5 | ***** |
| Water Level At Samp. Collection Time 85327 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT feet | ***** | MW | GRAB | See Note 5 | ***** |

* See Part II.C.1. (Bypass); Part II.C.2. (Upset); See Part IV.E. (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
MW – Monitoring Well

(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 (May – October)
ECW = E. coli Winter (November – April)

(5) Semiannual Groundwater monitoring is required in accordance with Part IV.E. of the Permit during the months of April and October.

(6) *F (Insufficient Flow for Sampling) if sprayfield used during monitoring period but not enough water in the monitoring well to collect sample.

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 from Outfall MW21, which represents a monitoring well. Such outfall shall be monitored by the Permittee as specified below [6]:

| 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 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Nitrogen, Ammonia Total (As N) 00610 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Nitrogen, Nitrite Total (As N) 00615 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Nitrogen, Nitrate Total (As N) 00620 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Phosphorus, Total (As P) 00665 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Carbon, Tot Organic (TOC) 00680 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Methylene Blue Active Substances 47021 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| E. Coli 51040 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT col/100mL | ***** | MW | GRAB | See Note 5 | ***** |
| Coliform, Fecal General 74055 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT col/100mL | ***** | MW | GRAB | See Note 5 | ***** |
| Water Level At Samp. Collection Time 85327 GW 0 0 | ***** | ***** | ***** | ***** | ***** | Report feet | ***** | MW | GRAB | See Note 5 | ***** |

* See Part II.C.1. (Bypass); Part II.C.2. (Upset); See Part IV.E. (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
MW – Monitoring Well

(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 (May – October)
ECW = E. coli Winter (November – April)

(5) Semiannual Groundwater monitoring is required in accordance with Part IV.E. of the Permit during the months of April and October.

(6) *F (Insufficient Flow for Sampling) if sprayfield used during monitoring period but not enough water in the monitoring well to collect sample.

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 from Outfall MW31, which represents a monitoring well. Such outfall shall be monitored by the Permittee as specified below [6]:

| 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 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Nitrogen, Ammonia Total (As N) 00610 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Nitrogen, Nitrite Total (As N) 00615 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Nitrogen, Nitrate Total (As N) 00620 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Phosphorus, Total (As P) 00665 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Carbon, Tot Organic (TOC) 00680 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Methylene Blue Active Substances 47021 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| E. Coli 51040 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT col/100mL | ***** | MW | GRAB | See Note 5 | ***** |
| Coliform, Fecal General 74055 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT col/100mL | ***** | MW | GRAB | See Note 5 | ***** |
| Water Level At Samp. Collection Time 85327 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT feet | ***** | MW | GRAB | See Note 5 | ***** |

* See Part II.C.1. (Bypass); Part II.C.2. (Upset); See Part IV.E. (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
MW – Monitoring Well

(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 (May – October)
ECW = E. coli Winter (November – April)

(5) Semiannual Groundwater monitoring is required in accordance with Part IV.E. during of the Permit the months of April and October.

(6) *F (Insufficient Flow for Sampling) if sprayfield used during monitoring period but not enough water in the monitoring well to collect sample.

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 from Outfall MW41, which represents a monitoring well. Such outfall shall be monitored by the Permittee as specified below [6]:

| 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 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Nitrogen, Ammonia Total (As N) 00610 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Nitrogen, Nitrite Total (As N) 00615 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Nitrogen, Nitrate Total (As N) 00620 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Phosphorus, Total (As P) 00665 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Carbon, Tot Organic (TOC) 00680 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| Methylene Blue Active Substances 47021 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT mg/l | ***** | MW | GRAB | See Note 5 | ***** |
| E. Coli 51040 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT col/100mL | ***** | MW | GRAB | See Note 5 | ***** |
| Coliform, Fecal General 74055 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT col/100mL | ***** | MW | GRAB | See Note 5 | ***** |
| Water Level At Samp. Collection Time 85327 GW 0 0 | ***** | ***** | ***** | ***** | ***** | REPORT feet | ***** | MW | GRAB | See Note 5 | ***** |

* See Part II.C.1. (Bypass); Part II.C.2. (Upset); See Part IV.E. (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
MW – Monitoring Well

(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 (May – October)
ECW = E. coli Winter (November – April)

(5) Semiannual Groundwater monitoring is required in accordance with Part IV.E. of the Permit during the months of April and October.

(6) *F (Insufficient Flow for Sampling) if sprayfield used during monitoring period but not enough water in the monitoring well to collect sample..

## B. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS

1. Representative Sampling

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

2. Measurement Frequency

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

   a. Seven days per week shall mean daily.

   b. Five days per week shall mean any five days of discharge during a calendar weekly period of Sunday through Saturday.

   c. Three days per week shall mean any three days of discharge during a calendar week.

   d. Two days per week shall mean any two days of discharge during a calendar week

   e. One day per week shall mean any day of discharge during a calendar week.

   f. Two days per month shall mean any two days of discharge during the month that are no less than seven days apart. However, if discharges occur only during one seven-day period in a month, then two days per month shall mean any two days of discharge during that seven day period.

   g. One day per month shall mean any day of discharge during the calendar month.

   h. Quarterly shall mean any day of discharge during each calendar quarter.

   i. The Permittee may increase the frequency of sampling, listed in Provisions I.B.2.a through I.B.2.h; however, all sampling results are to be reported to the Department.

3. Test Procedures

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

   a. For parameters with an EPA established Minimum Level (ML), report the measured value if the analytical result is at or above the ML and report "0" for values below the ML. Test procedures for the analysis of pollutants shall conform to 40 CFR Part 136 and guidelines published pursuant to Section 304(h) of the FWPCA, 33 U.S.C. Section 1314(h). If more than one method for analysis of a substance is approved for use, a method having a minimum level lower than the permit limit shall be used. If the minimum level of all methods is higher than the permit limit, the method having the lowest minimum level shall be used and a report of less than the minimum level shall be reported as zero and will constitute compliance, however should EPA approve a method with a lower minimum level during the term of this permit the permittee shall use the newly approved method.

   b. For pollutants parameters without an established ML, an interim ML may be utilized. The interim ML shall be calculated as 3.18 times the Method Detection Level (MDL) calculated pursuant to 40 CFR Part 136, Appendix B.

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

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

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

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

4. Recording of Results

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

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

b. The name(s) of person(s) who obtained the samples or measurements;

c. The dates and times the analyses were performed;

d. The name(s) of the person(s) who performed the analyses;

e. The analytical techniques or methods used, including source of method and method number; and

f. The results of all required analyses.

5. Records Retention and Production

a. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the above reports or the application for this permit, for a period of at least three years from the date of the sample measurement, report or application. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPCA and/or the FWPCA, is ongoing which involves any of the above records, the records shall be kept until the litigation is resolved. Upon the written request of the Director or his designee, the permittee shall provide the Director with a copy of any record required to be retained by this paragraph. Copies of these records should not be submitted unless requested.

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

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

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

b. It remains the responsibility of the permittee to comply with the monitoring and reporting requirements of this permit until written authorization to reduce, suspend or terminate such monitoring and/or reporting is received by the permittee from the Director.

7. Monitoring Equipment and Instrumentation

All equipment and instrumentation used to determine compliance with the requirements of this permit shall be installed, maintained, and calibrated in accordance with the manufacturer's instructions or, in the absence of manufacturer's instructions, in accordance with accepted practices. At a minimum, flow measurement devices shall be calibrated at least once every 12 months.

## C. DISCHARGE REPORTING REQUIREMENTS

1. Reporting of Monitoring Requirements

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

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

(2) **QUARTERLY MONITORING** shall be conducted at least once during each calendar quarter. Calendar quarters are the periods of January through March, April through June, July through September, and October through December. The permittee shall conduct the quarterly monitoring during the first complete calendar quarter following the effective date of this permit and is then required to monitor once during each quarter thereafter. Quarterly monitoring should be reported on the last DMR due for the quarter (i.e., March, June, September and December DMRs).

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

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

b. The permittee shall submit discharge monitoring reports (DMRs) in accordance with the following schedule:

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

(2) **REPORTS OF QUARTERLY TESTING** shall be submitted on a quarterly basis. The first report is due on the 28th day of the month following the 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 Notifications and Reports

a. The Permittee shall notify the Department if, for any reason, the Permittee's discharge:

(1) Does not comply with any daily minimum or maximum discharge limitation for an effluent characteristic specified in Provision I.A. of this permit which is denoted by an "(X)";

(2) Potentially threatens human health or welfare;

(3) Threatens fish or aquatic life;

(4) Causes an in-stream water quality criterion to be exceeded;

(5) Does not comply with an applicable toxic pollutant effluent standard or prohibition established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a);

(6) Contains a quantity of a hazardous substance that may be harmful to public health or welfare under Section 311(b)(4) of the FWPCA, 33 U.S.C. Section 1321(b)(4);

(7) Exceeds any discharge limitation for an effluent parameter listed in Part I.A. as a result of an unanticipated bypass or upset; or

(8) Is an unpermitted direct or indirect discharge of a pollutant to a water of the state. (Note that unpermitted discharges properly reported to the Department under any other requirement are not required to be reported under this provision.)

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

b. If, for any reason, the Permittee's discharge does not comply with any limitation of this permit, then the Permittee shall submit a written report to the Director or Designee, as provided in Provision I.C.2.c below. This report must be submitted with the next Discharge Monitoring Report required to be submitted by Provision I.C.1 of this permit after becoming aware of the occurrence of such noncompliance.

c. Except for notifications and reports of notifiable SSOs which shall be submitted in accordance with the applicable Provisions of this permit, the Permittee shall submit the reports required under Provisions I.C.2.a. and b. to the Director or Designee on ADEM Form 421, available on the Department's website (http://www.adem.state.al.us/DeptForms/Form421.pdf). The completed Form must document the following information:

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

(2) The period of noncompliance, including exact dates, times, and duration of the noncompliance. If the noncompliance is not corrected by the due date of the written report, then the Permittee shall provide an estimated date by which the noncompliance will be corrected; and

(3) A description of the steps taken by the Permittee and the steps planned to be taken by the Permittee to reduce or eliminate the noncompliant discharge and to prevent its recurrence.

d. Immediate notification

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

e. The Department is utilizing a web-based electronic environmental (E2) reporting system for notification and submittal of SSO reports. **If the Permittee is not already participating in the E2 Reporting System for SSO reports, the Permittee must apply for participation in the system within 30 days of coverage under this permit unless the Permittee submits in writing valid justification as to why it cannot participate and the Department approves in writing utilization of verbal notifications and hard copy SSO report submittals.** Once the Permittee is enrolled in the E2 Reporting System for SSO reports, the Permittee must utilize the system for notification and submittal of all SSO reports unless otherwise allowed by this permit. The Permittee shall include in the SSO reports the information requested by ADEM Form 415. In addition, the Permittee shall include the latititude and longitude of the SSO in the report except when the SSO is a result of an extreme weather event (e.g., hurricane). To participate in the E2 Reporting System for SSO reports, the Permittee Participation Package may be downloaded online at **https://e2.adem.alabama.gov/npdes**. If the E2 Reporting System is down (i.e., electronic submittal of SSO data cannot be completed due to technical problems originating with the Department's system), the Permittee is not relieved of its obligation to notify the Department or submit SSO reports to the Department by the required submittal date, and the Permittee shall submit the data in an alternate manner and format acceptable to the Department. Preapproved alternate acceptable methods include verbal reports, reports submitted via the SSO hotline, or reports submitted via fax, e-mail, mail, or hand-delivery such that they are received by the required reporting date. Within five calendar days of the 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. For any alternate notification, records of the date, time, notification method, and person submitting the notification should be maintained by the Permittee. If a Permittee is allowed to submit SSO reports via an alternate method, the SSO report must be in a format approved by the Department and must be legible.

## D. OTHER REPORTING AND NOTIFICATION REQUIREMENTS

1. Anticipated Noncompliance

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

2. Termination of Discharge

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

3. Updating Information

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

b. If the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information with a written explanation for the mistake and/or omission.

4. Duty to Provide Information

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

## E. SCHEDULE OF COMPLIANCE

1. Compliance with discharge limits

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

COMPLIANCE SHALL BE ATTAINED ON THE EFFECTIVE DATE OF THIS PERMIT

2. Schedule

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

# PART II OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES

## A. OPERATIONAL AND MANAGEMENT REQUIREMENTS

1. Facilities Operation and Maintenance

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

2. Best Management Practices

   a. Dilution water shall not be added to achieve compliance with discharge limitations except when the Director or his designee has granted prior written authorization for dilution to meet water quality requirements.

   b. The permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 C.F.R. Section 112 if required thereby.

   c. The permittee shall prepare, submit for approval and implement a Best Management Practices (BMP) Plan for containment of any or all process liquids or solids, in a manner such that these materials do not present a significant potential for discharge, if so required by the Director or his designee. When submitted and approved, the BMP Plan shall become a part of this permit and all requirements of the BMP Plan shall become requirements of this permit.

3. Certified Operator

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

## B. OTHER RESPONSIBILITIES

1. Duty to Mitigate Adverse Impacts

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

2. Right of Entry and Inspection

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

      (1) Enter upon the permittee's premises where a regulated facility or activity or point source is located or conducted, or where records must be kept under the conditions of the permit;

      (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permits;

      (3) Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under the permit; and

      (4) Sample or monitor, for the purposes of assuring permit compliance or as otherwise authorized by the AWPCA, any substances or parameters at any location.

## C. BYPASS AND UPSET

1. Bypass

   a. Any bypass is prohibited except as provided in b. and c. below:

   b. A bypass is not prohibited if:

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

(2) It enters the same receiving stream as the permitted outfall; and

(3) It is necessary for essential maintenance of a treatment or control facility or system to assure efficient operation of such facility or system.

c. A bypass is not prohibited and need not meet the discharge limitations specified in Provision I. A. of this permit if:

(1) It is unavoidable to prevent loss of life, personal injury, or severe property damage;

(2) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime (this condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance); and

(3) The permittee submits a written request for authorization to bypass to the Director at least ten (10) days prior to the anticipated bypass (if possible), the permittee is granted such authorization, and the permittee complies with any conditions imposed by the Director to minimize any adverse impact on human health or the environment resulting from the bypass.

d. The permittee has the burden of establishing that each of the conditions of Provision II. C. 1. b. or c. have been met to qualify for an exception to the general prohibition against bypassing contained in a. and an exemption, where applicable, from the discharge limitations specified in Provision I. A. of this permit.

2. Upset

a. A discharge which results from an upset need not meet the discharge limitations specified in Provision I. A. of this permit if:

(1) No later than 24-hours after becoming aware of the occurrence of the upset, the Permittee orally reports the occurrence and circumstances of the upset to the Director or his designee; and

(2) No later than five (5) days after becoming aware of the occurrence of the upset, the Permittee furnishes the Director with evidence, including properly signed, contemporaneous operating logs, or other relevant evidence, demonstrating that:

(i) An upset occurred;

(ii) The Permittee can identify the specific cause(s) of the upset;

(iii) The Permittee's facility was being properly operated at the time of the upset; and

(iv) The Permittee promptly took all reasonable steps to minimize any adverse impact on human health or the environment resulting from the upset.

b. The permittee has the burden of establishing that each of the conditions of Provision II. C. 2. a. of this permit have been met to qualify for an exemption from the discharge limitations specified in Provision I. A. of this permit.

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

1. Duty to Comply

a. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the AWPCA and the FWPCA and is grounds for enforcement action, permit termination, revocation and reissuance, suspension, modification, or denial of a permit renewal application.

b. The necessity to halt or reduce production or other activities in order to maintain compliance with the conditions of the permit shall not be a defense for a permittee in an enforcement action.

c. The discharge of a pollutant from a source not specifically identified in the permit application for this permit and not specifically included in the description of an outfall in this permit is not authorized and shall constitute noncompliance with this permit.

d. The permittee shall take all reasonable steps, including cessation of production or other activities, to minimize or prevent any violation of this permit or to minimize or prevent any adverse impact of any permit violation.

e. Nothing in this permit shall be construed to preclude or negate the Permittee's responsibility to apply for, obtain, or comply with other Federal, State, or Local Government permits, certifications,or licenses or to preclude from obtaining other federal, state, or local approvals, including those applicable to other ADEM programs and regulations.

2. Removed Substances

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

3. Loss or Failure of Treatment Facilities

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

4. Compliance With Statutes and Rules

a. This permit has been issued under ADEM Administrative Code, Chapter 335-6-6. All provisions of this chapter, that are applicable to this permit, are hereby made a part of this permit. A copy of this chapter may be obtained for a small charge from the Office of General Counsel, Alabama Department of Environmental Management, 1400 Coliseum Boulevard Montgomery, Alabama 36110-2059.

b. This permit does not authorize the noncompliance with or violation of any Laws of the State of Alabama or the United States of America or any regulations or rules implementing such laws. FWPCA, 33 U.S.C. Section 1319, and Code of Alabama 1975, Section 22-22-14.

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

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

a. If the permittee intends to continue to discharge beyond the expiration date of this permit, the permittee shall file a complete permit application for reissuance of this permit at least 180 days prior to its expiration. If the permittee does not intend to continue discharge beyond the expiration of this permit, the permittee shall submit written notification of this intent which shall be signed by an individual meeting the signatory requirements for a permit application as set forth in ADEM Administrative Code Rule 335-6-6-.09.

b. Failure of the permittee to apply for reissuance at least 180 days prior to permit expiration will void the automatic continuation of the expiring permit provided by ADEM Administrative Code Rule 335-6-6-.06 and should the permit not be reissued for any reason any discharge after expiration of this permit will be an unpermitted discharge.

2. Change in Discharge

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

discharge point. This condition applies to pollutants that are or that are not subject to discharge limitations in this permit. No new or increased discharge may begin until the Director has authorized it by issuance of a permit modification or a reissued permit.

3. Transfer of Permit

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

4. Permit Modification and Revocation

a. This permit may be modified or revoked and reissued, in whole or in part, during its term for cause, including but not limited to, the following:

(1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to revoke and reissue this permit instead of terminating the permit;

(2) If a request to transfer this permit has been received, the Director may decide to revoke and reissue or to modify the permit; or

(3) If modification or revocation and reissuance is requested by the permittee and cause exists, the Director may grant the request.

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

(1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to modify this permit instead of terminating this permit;

(2) There are material and substantial alterations or additions to the facility or activity generating wastewater which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit;

(3) The Director has received new information that was not available at the time of permit issuance and that would have justified the application of different permit conditions at the time of issuance;

(4) A new or revised requirement(s) of any applicable standard or limitation is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA;

(5) Errors in calculation of discharge limitations or typographical or clerical errors were made;

(6) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, when the standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the permit was issued;

(7) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, permits may be modified to change compliance schedules;

(8) To agree with a granted variance under 30l(c), 30l(g), 30l(h), 30l(k), or 3l6(a) of the FWPCA or for fundamentally different factors;

(9) To incorporate an applicable 307(a) FWPCA toxic effluent standard or prohibition;

(10) When required by the reopener conditions in this permit;

(11) When required under 40 CFR 403.8(e) (compliance schedule for development of pretreatment program);

(12) Upon failure of the state to notify, as required by Section 402(b)(3) of the FWPCA, another state whose waters may be affected by a discharge permitted by this permit;

(13) When required to correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions; or

(14) When requested by the permittee and the Director determines that the modification has cause and will not result in a violation of federal or state law, regulations or rules; or

5. Termination

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

a. Violation of any term or condition of this permit;

b. The permittee's misrepresentation or failure to disclose fully all relevant facts in the permit application or during the permit issuance process or the permittee's misrepresentation of any relevant facts at any time;

c. Materially false or inaccurate statements or information in the permit application or the permit;

d. A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge;

e. The permittee's discharge threatens human life or welfare or the maintenance of water quality standards;

f. Permanent closure of the facility generating the wastewater permitted to be discharged by this permit or permanent cessation of wastewater discharge;

g. New or revised requirements of any applicable standard or limitation that is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA that the Director determines cannot be complied with by the permittee.

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

6. Suspension

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

7. Stay

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

## F. COMPLIANCE WITH TOXIC POLLUTANT STANDARD OR PROHIBITION

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

## G. NOTICE TO DIRECTOR OF INDUSTRIAL USERS

1. The permittee shall not allow the introduction of wastewater, other than domestic wastewater, from a new direct discharger prior to approval and permitting, if applicable, of the discharge by the Department.

2. The permittee shall not allow an existing indirect discharger to increase the quantity or change the character of its wastewater, other than domestic wastewater, prior to approval and permitting, if applicable, of the increased discharge by the Department.

3. The permittee shall report to the Department any adverse impact caused or believed to be caused by an indirect discharger on the treatment process, quality of discharged water or quality of sludge. Such report shall be submitted within seven days of the permittee becoming aware of the adverse impacts.

## H. PROHIBITIONS

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

1. Pollutants which create a fire or explosion hazard in the treatment works;
2. Pollutants which will cause corrosive structural damage to the treatment works, or dischargers with a pH lower than 5.0 s.u., unless the works are specifically designed to accommodate such discharges;
3. Solid or viscous pollutants in amounts which will cause obstruction of flow in sewers, or other interference with the treatment works;
4. Pollutants, including oxygen demanding pollutants, released in a discharge of such volume or strength as to cause interference in the treatment works;
5. Heat in amounts which will inhibit biological activity in the treatment plant resulting in interference or in such quantities that the temperature of the treatment plant influent exceeds 40°C (104° F) unless the treatment plant is designed to accommodate such heat;
6. Pollutants in amounts which exceed any applicable pretreatment standard under Section 307 of FWPCA or any approved revisions thereof.

# PART III ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS

## A. CIVIL AND CRIMINAL LIABILITY

1. Tampering

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

2. False Statements

   Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be subject to penalties as provided by the AWPCA.

3. Permit Enforcement

   a. Any NPDES permit issued or reissued by the Department is a permit for the purpose of the AWPCA and the FWPCA and as such any terms, conditions, or limitations of the permit are enforceable under state and federal law.

   b. Any person required to have a NPDES permit pursuant to ADEM Administrative Code Chapter 335-6-6 and who discharges pollutants without said permit, who violates the conditions of said permit, who discharges pollutants in a manner not authorized by the permit, or who violates applicable orders of the Department or any applicable rule or standard of the Department, is subject to any one or combination of the following enforcement actions under applicable state statutes:

      (1) An administrative order requiring abatement, compliance, mitigation, cessation, clean-up, and/or penalties;

      (2) An action for damages;

      (3) An action for injunctive relief; or

      (4) An action for penalties.

   c. If the permittee is not in compliance with the conditions of an expiring or expired permit the Director may choose to do any or all of the following provided the permittee has made a timely and complete application for reissuance of the permit:

      (1) Initiate enforcement action based upon the permit which has been continued;

      (2) Issue a notice of intent to deny the permit reissuance. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;

      (3) Reissue the new permit with appropriate conditions; or

      (4) Take other actions authorized by these rules and AWPCA.

4. Relief from Liability

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

## B. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject under Section 311 of the FWPCA, 33 U.S.C. Section 1321.

## C. PROPERTY AND OTHER RIGHTS

This permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to persons or property or invasion of other private rights, or any infringement

of federal, state, or local laws or regulations, nor does it authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any waters of the state or of the United States.

## D. AVAILABILITY OF REPORTS

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

## E. EXPIRATION OF PERMITS FOR NEW OR INCREASED DISCHARGES

1. If this permit was issued for a new discharger or new source, this permit shall expire eighteen months after the issuance date if construction of the facility has not begun during the eighteen-month period.

2. If this permit was issued or modified to allow the discharge of increased quantities of pollutants to accommodate the modification of an existing facility, and if construction of this modification has not begun during the eighteen month period after issuance of this permit or permit modification, this permit shall be modified to reduce the quantities of pollutants allowed to be discharged to those levels that would have been allowed if the modification of the facility had not been planned.

3. Construction has begun when the owner or operator has:

    a. Begun, or caused to begin as part of a continuous on-site construction program:

        (1) Any placement, assembly, or installation of facilities or equipment; or

        (2) Significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which are necessary for the placement, assembly, or installation of new source facilities or equipment; or

    b. Entered into a binding contractual obligation for the purpose of placement, assembly, or installation of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under this paragraph.

4. Final plans and specifications for a waste treatment facility at a new source or new discharger, or a modification to an existing waste treatment facility must be submitted to and examined by the Department prior to initiating construction of such treatment facility by the permittee.

5. Upon completion of construction of waste treatment facilities and prior to operation of such facilities, the permittee shall submit to the Department a certification from a registered professional engineer, licensed to practice in the State of Alabama, that the treatment facilities have been built according to plans and specifications submitted to and examined by the Department.

## F. COMPLIANCE WITH WATER QUALITY STANDARDS

1. On the basis of the permittee's application, plans, or other available information, the Department has determined that compliance with the terms and conditions of this permit should assure compliance with the applicable water quality standards.

2. Compliance with permit terms and conditions notwithstanding, if the permittee's discharge(s) from point sources identified in Provision I. A. of this permit cause or contribute to a condition in contravention of state water quality standards, the Department may require abatement action to be taken by the permittee in emergency situations or modify the permit pursuant to the Department's Rules, or both.

3. If the Department determines, on the basis of a notice provided pursuant to this permit or any investigation, inspection or sampling, that a modification of this permit is necessary to assure maintenance of water quality standards or compliance with other provisions of the AWPCA or FWPCA, the Department may require such modification and, in cases of emergency, the Director may prohibit the discharge until the permit has been modified.

## G. GROUNDWATER

Unless specifically authorized under this permit, this permit does not authorize the discharge of pollutants to groundwater. Should a threat of groundwater contamination occur, the Director may require groundwater

monitoring to properly assess the degree of the problem, and the Director may require that the permittee undertake measures to abate any such discharge and/or contamination.

## H. DEFINITIONS

1. Average monthly discharge limitation - means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).
2. Average weekly discharge limitation - means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).
3. Arithmetic Mean – means the summation of the individual values of any set of values divided by the number of individual values.
4. AWPCA - means the Alabama Water Pollution Control Act.
5. BOD – means the five-day measure of the pollutant parameter biochemical oxygen demand.
6. Bypass - means the intentional diversion of waste streams from any portion of a treatment facility.
7. CBOD – means the five-day measure of the pollutant parameter carbonaceous biochemical oxygen demand.
8. Daily discharge - means the discharge of a pollutant measured during any consecutive 24-hour period in accordance with the sample type and analytical methodology specified by the discharge permit.
9. Daily maximum - means the highest value of any individual sample result obtained during a day.
10. Daily minimum - means the lowest value of any individual sample result obtained during a day.
11. Day - means any consecutive 24-hour period.
12. Department - means the Alabama Department of Environmental Management.
13. Director - means the Director of the Department.
14. Discharge - means "[t]he addition, introduction, leaking, spilling or emitting of any sewage, industrial waste, pollutant or other waste into waters of the state". Code of Alabama 1975, Section 22-22-1(b)(9).
15. Discharge Monitoring Report (DMR) - means the form approved by the Director to accomplish reporting requirements of an NPDES permit.
16. DO – means dissolved oxygen.
17. 8HC – means 8-hour composite sample, including any of the following:
    a. The mixing of at least 8 equal volume samples collected at constant time intervals of not more than 1 hour over a period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.
    b. A sample continuously collected at a constant rate over period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.
18. EPA - means the United States Environmental Protection Agency.
19. FC – means the pollutant parameter fecal coliform.
20. Flow – means the total volume of discharge in a 24-hour period.
21. FWPCA - means the Federal Water Pollution Control Act.

22. Geometric Mean – means the Nth root of the product of the individual values of any set of values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered one (1).

23. Grab Sample – means a single influent or effluent portion which is not a composite sample. The sample(s) shall be collected at the period(s) most representative of the discharge.

24. Indirect Discharger – means a nondomestic discharger who discharges pollutants to a publicly owned treatment works or a privately owned treatment facility operated by another person.

25. Industrial User – means those industries identified in the Standard Industrial Classification manual, Bureau of the Budget 1967, as amended and supplemented, under the category "Division D – Manufacturing" and such other classes of significant waste producers as, by regulation, the Director deems appropriate.

26. MGD – means million gallons per day.

27. Monthly Average – means the arithmetic mean of all the composite or grab samples taken for the daily discharges collected in one month period. The monthly average for flow is the arithmetic mean of all flow measurements taken in a one month period.

28. New Discharger – means a person, owning or operating any building, structure, facility, or installation:

    a. From which there is or may be a discharge of pollutants;
    b. That did not commence the discharge of pollutants prior to August 13, 1979, and which is not a new source; and
    c. Which has never received a final effective NPDES permit for dischargers at that site.

29. NH3-N – means the pollutant parameter ammonia, measured as nitrogen.

30. Notifiable sanitary sewer overflow - means an overflow, spill, release or diversion of wastewater from a sanitary sewer system that:

    a. Reaches a surface water of the State; or
    b. May imminently and substantially endanger human health based on potential for public exposure including but not limited to close proximity to public or private water supply wells or in areas where human contact would be likely to occur.

31. Permit application - means forms and additional information that is required by ADEM Administrative Code Rule 335-6-6-.08 and applicable permit fees.

32. Point source - means "any discernible, confined and discrete conveyance, including but not limited to any pipe, channel, ditch, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, or vessel or other floating craft, . . . from which pollutants are or may be discharged." Section 502(14) of the FWPCA, 33 U.S.C. Section 1362(14).

33. Pollutant - includes for purposes of this permit, but is not limited to, those pollutants specified in Code of Alabama 1975, Section 22-22-1(b)(3) and those effluent characteristics specified in Provision I. A. of this permit.

34. Privately Owned Treatment Works – means any devices or system which is used to treat wastes from any facility whose operator is not the operator of the treatment works, and which is not a "POTW".

35. Publicly Owned Treatment Works (POTW) – means a wastewater collection and treatment facility owned by the State, municipality, regional entity composed of two or more municipalities, or another entity created by the State or local authority for the purpose of collecting and treating municipal wastewater.

36. Receiving Stream – means the "waters" receiving a "discharge" from a "point source".

37. Severe property damage - means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

38. Significant Source – means a source which discharges 0.025 MGD or more to a POTW or greater than five percent of the treatment work's capacity, or a source which is a primary industry as defined by the U.S. EPA or which discharges a priority or toxic pollutant.
39. TKN – means the pollutant parameter Total Kjeldahl Nitrogen.
40. TON – means the pollutant parameter Total Organic Nitrogen.
41. TRC – means Total Residual Chlorine.
42. TSS – means the pollutant parameter Total Suspended Solids.
43. 24HC – means 24-hour composite sample, including any of the following:
    a. The mixing of at least 8 equal volume samples collected at constant time intervals of not more than 2 hours over a period of 24 hours;
    b. A sample collected over a consecutive 24-hour period using an automatic sampler composite to one sample. As a minimum, samples shall be collected hourly and each shall be no more than one twenty-fourth (1/24) of the total sample volume collected;
    c. A sample collected over a consecutive 24-hour period using an automatic composite sampler composited proportional to flow.
44. Upset - means an exceptional incident in which there is an unintentional and temporary noncompliance with technology-based permit discharge limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
45. Waters - means "[a]ll waters of any river, stream, watercourse, pond, lake, coastal, ground or surface water, wholly or partially within the state, natural or artificial. This does not include waters which are entirely confined and retained completely upon the property of a single individual, partnership or corporation unless such waters are used in interstate commerce." Code of Alabama 1975, Section 22-22-1(b)(2). Waters "include all navigable waters" as defined in Section 502(7) of the FWPCA, 22 U.S.C. Section 1362(7), which are within the State of Alabama.
46. Week - means the period beginning at twelve midnight Saturday and ending at twelve midnight the following Saturday.
47. Weekly (7-day and calendar week) Average – is the arithmetic mean of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The calendar week is defined as beginning on Sunday and ending on Saturday. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for the calendar week shall be included in the data for the month that contains the Saturday.

## I. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

# PART IV SPECIFIC REQUIREMENTS, CONDITIONS, AND LIMITATIONS

## A. SLUDGE MANAGEMENT PRACTICES

1. Applicability

   a. Provisions of Provision IV.A. apply to a sewage sludge generated or treated in treatment works that is applied to agricultural or non-agricultural land, and that is otherwise distributed, marketed, disposed in landfills, land applied to the ground surface, or incinerated.

   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. 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 as well as other specific analyses required to comply with State and Federal laws regarding solid and hazardous waste disposal.

   b. 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 in accordance with Provision IV.A.2. or, based upon the results of an on-site inspection, the permit shall be subject to modification to incorporate appropriate revised or additional requirements.

   b. If an improved "acceptable management practice" is identified 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, then this permit shall be modified or revoked and reissued to conform to requirements promulgated under Section 405. The Permittee shall comply with the revised limitations no later than the compliance deadline specified in applicable regulations as required by Section 405 of FWPCA.

## B. EFFLUENT TOXICITY TESTING REOPENER

Upon notification under Part II. G. of any newly introduced toxic industrial wastewaters, the Director may reopen the permit to include effluent toxicity limitations and testing requirements.

## C. SANITARY SEWER OVERFLOW RESPONSE PLAN

1. SSO Response Plan

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

   a. General Information:

      (1) Approximate population of City/Town, if applicable

      (2) Approximate number of customers served by the Permittee

      (3) Identification of any subbasins designated by the Permittee, if applicable

      (4) Identification of estimated linear feet of sanitary sewers

      (5) Number of Pump/Lift Stations in the collection system

b. Responsibility Information:

(1) The title(s) and contact information of key position(s) who will coordinate the SSO response, including information for a backup coordinator in the event that the primary SSO coordinator is unavailable. The SSO coordinator is the person responsible for assessing the SSO and initiating a series of response actions based on the type, severity, and destination of the SSO, except for routine SSOs for which the coordinator may pre-approve written procedures. Routine SSOs are those for which the corrective action procedures are generally consistent.

(2) The title(s), and contact information of key position(s) who will respond to SSOs, including information for backup responder(s) in the event the primary responder(s) are unavailable (i.e., position(s) who provide notification to the Department, the public, the county health department, and other affected entities such as public water systems; position(s) responsible for organizing crews for response; position(s) responsible for addressing public inquiries)

c. Public Reporting of SSOs

(1) Contact information for the public to report an SSO to the Permittee, during both normal and outside of normal business hours (e.g., telephone number, website, email address, etc.)

(2) Information requested from the person reporting an SSO to assist the Permittee in identifying the SSO (e.g., date, time, location, contact information)

(3) Procedures for communication of the SSO report to the appropriate positions for follow-up investigation and response, if necessary

d. Procedures to immediately notify the Department, the county health department, and other affected entities (such as public water systems) upon becoming aware of notifiable SSOs

e. Public Notification Methods for SSOs

(1) A listing of methods that are feasible, as determined by the Permittee, for public notifications (e.g., flyers distributed to nearby residents; signs posted at the location of the SSO, where the SSO enters a water of the state, and/or at a central public location; signs posted at fishing piers, boat launches, parks, swimming waterbodies, etc.; website and/or social media notifications; local print or radio and broadcast media notifications; "opt in" email, text message, or automated phone message notifications)

(a) If signage is a feasible method for public notification, procedures for use and removal of signage (e.g., availability and maintenance of signs, appropriate duration of postings)

(2) Minimum information to be included in public notifications (e.g., identification that an SSO has occurred, date, duration if known, estimated volume if known, location of the SSO by street address or other appropriate method, initial destination of the SSO)

(3) Procedures developed by the Permittee for determining the appropriate public notification method(s) based upon the potential for public exposure to health risks associated with the SSO

f. Date of the SSO Response Plan, dates of all modifications and/or reviews, the title and signature of the reviewer(s) for each date and the signature of the responsible official or the appropriate designee.

2. SSO Response Plan Implementation

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

3. Department Review of the SSO Response Plan

a. When requested by the Director or his designee, the Permittee shall make the SSO Response Plan available for review by the Department.

b. Upon review, the Director or his designee may notify the Permittee that the SSO Response Plan is deficient and require modification of the Plan.

c. Within thirty days of receipt of notification, or an alternate timeframe as approved by the Department, the Permittee shall modify any SSO Response Plan deficiency identified by the Director or his designee and shall certify to the Department that the modification has been made.

4. SSO Response Plan Administrative Procedures

a. The Permittee shall maintain a copy of the SSO Response Plan at the permitted facility or an alternate location approved by the Department in writing and shall make it available for inspection by the Department.

b. The Permittee shall make a copy of the SSO Response Plan available to the public upon written request within 30 days of such request. The Permittee may redact information which may present security issues, such as location of public water supplies, identification of specific details of vulnerabilities, employee information, etc.

c. The Permittee shall provide training for any personnel required to implement the SSO Response Plan and shall retain at the facility documentation of such training. This documentation shall be available for inspection by the Department. Training shall be provided for existing personnel prior to the date by which implementation of the SSO Response Plan is required and for new personnel as soon as possible. Should significant revisions be made to the SSO Response Plan, training regarding the revisions shall be conducted as soon as possible.

d. The Permittee shall complete a review and evaluation of the SSO Response Plan at least once every three years. Documentation of the SSO Response Plan review and evaluation shall be signed and dated by the responsible official or the appropriate designee as part of the SSO Response Plan.

## D. PLANT CLASSIFICATION

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

## E. OTHER REQUIREMENTS FOR LAND APPLICATION

1. Flow Monitoring

a. Influent flow to the treatment plant or to the holding pond 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 **April and October**.

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. E. 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 assessement 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:

(a) The nature and the extent of groundwater contamination (if any). Include contour maps showing the groundwater flow direction;
(b) Discussion of all analytical results;
(c) Discussion of concentration trends in each monitoring well;
(d) All potentiometric data collected during each monitoring event including top casing elevations, measured water level, total well depths, and calculated groundwater elevations;
(e) A potentiometric map illustrating the groundwater flow direction for each monitoring event;
(f) All field parameter data collected during the well purging activities;
(g) The specific dates that the groundwater sampling activities were conducted; and
(h) 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 Parts 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. 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.

b. Best management practices erosion control measures shall be implemented to minimize soil loss.

c. 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.

d. 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.

## F. 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.

# NPDES PERMIT RATIONALE

NPDES Permit No: **AL0064955**

Date: September 27, 2019
Revision: May 15, 2020

Permit Applicant: John Todd
2038 Lee Road 137 (Wire Road)
Auburn, Alabama 36832

Location: Conway Acres Trailer Park
2038 Lee County Road 137 (Wire Road)
Auburn, Alabama 36832
Lee County

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

Basis for Limitations: Water Quality Model: N/A
Reissuance with no modification: N/A
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: 0.04 MGD

Major: No

Description of Discharge: Outfall Number 0021; Land Application

Outfall Number 003S; Storm water runoff monitoring to an unnamed tributary to Choctafaula Creek, which is classified as Fish and Wildlife (F&W).

Outfall Number 004U; Surface stream monitoring upstream to an unnamed tributary to Choctafaula Creek, which is classified as Fish and Wildlife (F&W).

Outfall Number 005D; Surface stream monitoring downstream an unnamed tributary to Choctafaula Creek, which is classified as Fish and Wildlife (F&W).

Outfall Numbers MW11, MW21, MW31, and MW41; Groundwater Monitoring.

Discussion: This is a permit reissuance due to expiration. The previous permit had an Outfall 0011 for surface water discharge to the unnamed tributary to Choctafaula Creek and Outfall 0021 for land application; however, the Permittee does not discharge from Outfall 0011 and has decided to land apply (Outfall 0021) treated

wastewater only. According to an April 1, 2020 email, there is a gate valve that prevents treated effluent flow from entering the creek; however, as a precautionary measure they will cement the 6 inch discharge line. The limits for Carbonaceous Biochemical Oxygen Demand (CBOD5), Total Suspended Solids (TSS), and pH are established based upon best professional judgment (BPJ) to be consistent with 40 CFR part 133.105. The monthly average CBOD5 and TSS limits are 45.0 mg/L and 90.0 mg/L, respectively. The pH limits are 6.0 s.u. (daily minimum) and 9.0 s.u. (daily maximum).

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 monitoring frequency for most parameters is two days per month. Flow to the treatment facility or to the holding pond is to be monitored daily. Flow to the sprayfield is also to be 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 004U and 005D. This monitoring is being required in order to provide an indication of whether the sprayfield is being properly maintained and operated such that the sprayfield application does not impact the nearby streams.

In the permit application, the Permittee reported three storm water outfalls from the sprayfield area; however, storm water outfall 1 is the representative outfall for all three outfalls. The storm water outfall listed as Outfall 1 on EPA Form 2F in the Permittee's application will be designated as Outfall 003S in the permit. The other storm water outfalls listed in EPA Form 2F in the Permittee's application are Outfalls 2 and 3. Storm water monitoring at outfall 003S 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 such that the sprayfield application does not impact the nearby streams during storm events.

The Permittee has indicated that there are four groundwater monitoring wells at the facility. In order to monitor potential impacts of the sprayfield on the groundwater, monitoring at these wells will be required twice per year, during the months of April and October at designated outfalls MW11, MW21, MW31, and MW41. CBOD monitoring is being removed from the groundwater monitoring wells as it was inadvertently included in the previous permit. In addition, CBOD is not an expected pollutant in groundwater and is being monitored when land applied; therefore backsliding would not be applicable.

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.

Revision: May 15, 2020

The Department received a May 4, 2020 letter requesting the monitoring frequency for the discharges to the spray field be changed from two days per month to one day per month due the flow being less than 0.100 MGD per day and no additional influent loadings being added to the system. The Department reviewed the data from the previous permit has determined that the monitoring frequency of one day per month would be adequate.

Prepared by: Torbert

Please print or type in the unshaded areas only.

Form Approved. OMB No. 2040-0086.

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

**GENERAL INFORMATION**

*Consolidated Permits Program*

*(Read the "General Instructions" before starting.)*

RECEIVED FEB 20 2019 WATER DIVISION PERMITTING BRANCH

I. EPA I.D. NUMBER

| S | | T/A | C |
|---|---|---|---|
| F | | | D |

1 2 13 14 15

| LABEL ITEMS | |
|---|---|
| I. | EPA I.D. NUMBER |
| III. | FACILITY NAME |
| V. | FACILITY MAILING ADDRESS |
| VI. | FACILITY LOCATION |

PLEASE PLACE LABEL IN THIS SPACE

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.

## 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" YES | NO | FORM ATTACHED | SPECIFIC QUESTIONS | Mark "X" 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) | | X | | 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) | | X | |
| | 16 | 17 | 18 | | 19 | 20 | 21 |
| 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) | | X | | 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) | | X | |
| | 22 | 23 | 24 | | 25 | 26 | 27 |
| E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3) | | X | | 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) | | X | |
| | 28 | 29 | 30 | | 31 | 32 | 33 |
| 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) | | X | | 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) | | X | |
| | 34 | 35 | 36 | | 37 | 38 | 39 |
| 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) | | X | | 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) | | X | |
| | 40 | 41 | 42 | | 43 | 44 | 45 |

## III. NAME OF FACILITY

C 1 SKIP: CONWAY ACRES TRAILER PARK

15 16 – 29 30 69

## IV. FACILITY CONTACT

| A. NAME & TITLE *(last, first, & title)* | B. PHONE *(area code & no.)* |
|---|---|
| C 2 JOHN TODD OWNER | 334-887-5746 |
| 15 16 45 | 46 48 49 51 52- 55 |

## V. FACILTY MAILING ADDRESS

A. STREET OR P.O. BOX

C 3 2038 LEE ROAD 137

15 16 45

| B. CITY OR TOWN | C. STATE | D. ZIP CODE |
|---|---|---|
| C 4 AUBURN | AL | 36832 |
| 15 16 40 | 41 42 | 47 51 |

## VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

C 5 2038 LEE ROAD 137

15 16 45

B. COUNTY NAME

LEE

46 70

| C. CITY OR TOWN | D. STATE | E. ZIP CODE | F. COUNTY CODE *(if known)* |
|---|---|---|---|
| C 6 AUBURN | AL | 36832 | |
| 15 16 40 | 41 42 | 47 51 | 52 54 |

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? |
|---|---|
| 8 STEPHEN F. MCDONALD | ☐ YES ☐ NO |

C. STATUS OF OPERATOR *(Enter the appropriate letter into the answer box: if "Other," specify.)*

F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC *(other than federal or state)*
O = OTHER *(specify)*

P *(specify)*

D. PHONE *(area code & no.)*

A 334-740-9485

E. STREET OR P.O. BOX

189 MENOWA DRIVE

| F. CITY OR TOWN | G. STATE | H. ZIP CODE | IX. INDIAN LAND |
|---|---|---|---|
| B DADEVILLE | AL | 36853 | Is the facility located on Indian lands? ☐ YES ☑ NO |

X. EXISTING ENVIRONMENTAL PERMITS

| A. NPDES *(Discharges to Surface Water)* | D. PSD *(Air Emissions from Proposed Sources)* |
|---|---|
| 9 N AL0064955 | 9 P |
| **B. UIC *(Underground Injection of Fluids)*** | **E. OTHER *(specify)*** |
| 9 U | 9 *(specify)* |
| **C. RCRA *(Hazardous Wastes)*** | **E. OTHER *(specify)*** |
| 9 R | 9 *(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)*

Conway Acres Trailer Park is a student living community near Auburn University. A total of 300 students are serviced by the wastewater treatment facility and land application site.

The current NPDES Permit # AL0064955 allows the system to discharge .040 MGD of treated effluent to the land application site. The treatment works are made up of a one acre aerated lagoon primary treatment cell and a one acre lagoon secondary polishing cell. Treated effluent from the secondary lagoon cell is then polished by means of a trickling filter prior to the pumping station for land application to a 7.2 acre disposal 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 |
|---|---|---|
| JOHN TODD / OWNER | | 2-18-19 |

COMMENTS FOR OFFICIAL USE ONLY

C

**FACILITY NAME AND PERMIT NUMBER:**
Conway Acres Trailer Park AL0064955

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

# BASIC APPLICATION INFORMATION

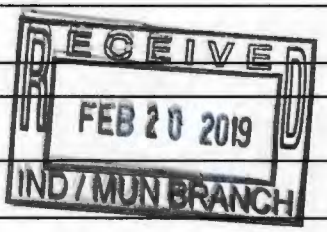
## PART A. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS:

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

**A.1. Facility Information.**

Facility name: Conway Acres Trailer Park

Mailing Address: 2038 Lee County Road 137 (Wire Road) Auburn, Al. 36832




Contact person: John Todd

Title: Owner

Telephone number: 334-887-5746

Facility Address (not P.O. Box): 2038 Lee Road 137, Auburn, Al. 36832

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

Applicant name: NA

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 | AL0064955 | 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 |
|---|---|---|---|
| Conway Acres Trailer Park | 300 | Seprate | Private |
| | | | |
| | | | |

**Total population served** 300

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**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 0.040 mgd

| | Two Years Ago | Last Year | This Year | |
|---|---|---|---|---|
| b. Annual average daily flow rate | 0.036 | 0.037 | 0.039 | mgd |
| c. Maximum daily flow rate | 0.096 | 0.080 | 0.182 | 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 | 1 |
| ii. Discharges of untreated or partially treated effluent | 0 |
| iii. Combined sewer overflow points | 0 |
| iv. Constructed emergency overflows (prior to the headworks) | 0 |
| v. Other SPRAYFIELD / LAND APPLICATION | 1 |

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: NA

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: 2038 Lee Road 137, Auburn Al. 36832

Number of acres: 7.20

Annual average daily volume applied to site: ____ 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

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).

NA

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

Transporter name: NA

Mailing Address: NA

Contact person: NA

Title:

Telephone number:

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

Name: NA

Mailing Address:

Contact person: NA

Title: NA

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):

NA

Annual daily volume disposed of by this method:

Is disposal through this method _____ continuous or _____ intermittent?

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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 0021

b. Location 2038 Lee Road 137 Auburn (City or town, if applicable) 36832 (Zip Code)
Lee (County) Alabama (State)
32.579283 Degrees (Latitude) -85.532873 Degrees (Longitude)

c. Distance from shore (if applicable) 0.00 ft.

d. Depth below surface (if applicable) 0.00 ft.

e. Average daily flow rate 0.03 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: 0

Average duration of each discharge: 0

Average flow per discharge: 0.00 mgd

Months in which discharge occurs: 0

g. Is outfall equipped with a diffuser? ____ Yes ✓ No

**A.10. Description of Receiving Waters.**

a. Name of receiving water ____

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 $CaCO_3$

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**FACILITY NAME AND PERMIT NUMBER:**
Conway Acres Trailer Park AL0064955

**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 $BOD_5$ removal or Design $CBOD_5$ removal | 65.00 | % |
| 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.

NA

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: 0011

| PARAMETER | MAXIMUM DAILY VALUE | | AVERAGE DAILY VALUE | | |
|---|---|---|---|---|---|
| | Value | Units | Value | Units | Number of Samples |
| pH (Minimum) | 7.40 | s.u. | | | |
| pH (Maximum) | 7.90 | s.u. | | | |
| Flow Rate | 0.07 | MGD | 0.03 | MGD | 7.00 |
| 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 | BOD-5 | 13.40 | mg/l | 4.90 | mg/l | 7.00 | | |
| DEMAND (Report one) | CBOD-5 | | | | | | | |
| FECAL COLIFORM | | 39.00 | col/1000ml | 3.90 | col/1000m | 7.00 | | |
| TOTAL SUSPENDED SOLIDS (TSS) | | 23.40 | mg/l | 11.30 | mg/l | 7.00 | | |

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

# 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 ≥ 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.

1,000.00 gpd

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

Owner has made repairs to the collection system at sewer laderals and replaced gravity feed sewer line at a creek crossing. Owner and operator will continue to look for and repair points of infiltration as they are located.

**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: 189 Menowa Drive
Dadeville, Al. 36853

Telephone Number: (334) 740-9485

Responsibilities of Contractor: Operations and Maintenance of Watewater Treatment Facility & Land Application Site

**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

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

NA

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 MM / DD / YYYY | Actual Completion MM / DD / YYYY |
|---|---|---|
| – Begin construction | ___/___/_____ | ___/___/_____ |
| – End construction | ___/___/_____ | ___/___/_____ |
| – Begin discharge | ___/___/_____ | ___/___/_____ |
| – Attain operational level | ___/___/_____ | ___/___/_____ |

e. Have appropriate permits/clearances concerning other Federal/State requirements been obtained? ____Yes ____No

Describe briefly: NA

**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:**
Conway Acres Trailer Park AL0064955

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

# 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: John Todd Owner

Signature: 

Telephone number: (334) 887-5746

Date signed: 2-18-19

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:**

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

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

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

### PURPOSE OF THIS APPLICATION

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

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

RECEIVED
FEB 20 2019
IND / MUN BRANCH

### SECTION A – GENERAL INFORMATION

1. Facility Name: Conway Acres Trailer Park
   a. Operator Name: Stephen F. McDonald
   b. Is the operator identified in A.1.a, the owner of the facility? ☐ Yes ■ No
   If no, provide name and address of the operator and submit information indicating the operator's scope of responsibility for the facility.
   Stephen F. McDonald 189 Menowa Drive Dadeville Al. 36853
   c. Name of Permittee* if different than Operator: John Todd
   **Permittee will be responsible for compliance with the conditions of the permit*
2. NPDES Permit Number: AL 0064955 (Not applicable if initial permit application)
3. Facility Physical Location: **(Attach a map with location marked; street, route no. or other specific identifier)**
   Street: 2038 Lee County Road 137 (Wire Road)
   City: Auburn County: Lee State: Alabama Zip: 36832
   Facility Location (Front Gate): Latitude: 32.580055 Longitude: -85.522137
4. Facility Mailing Address: 2038 Lee County Road 137
   City: Auburn County: Lee State: Alabama Zip: 36832
5. Responsible Official (as described on last page of this application):
   Name and Title: John Todd
   Address: 2038 Lee County Road 137
   City: Auburn State: Alabama Zip: 36832
   Phone Number: 334-887-5746 Email Address: ecc815@conwayacres.com

## Torbert, Shanda R

**From:** STEVE MCDONALD <smac8219@gmail.com>
**Sent:** Thursday, September 19, 2019 7:14 PM
**To:** Torbert, R
**Subject:** FW: Conway Acres
**Attachments:** MX-M754N_20190918_142212.pdf

Sent from Mail for Windows 10

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**From:** Steve Kelly
**Sent:** Thursday, September 19, 2019 11:55 AM
**To:** McDonald Wastewater Services LLC
**Subject:** Conway Acres

Steve,

I've added the facility location coordinates for the entrance to Conway in the attached ADEM Form 188, Section A.3

Steve
Kelly Engineering, LLC

6. Designated Facility/DMR Contact:

Name and Title: Stephen F. McDonald

Phone Number: 334-740-9485 Email Address: smac8219@gmail.com

7. Designated Emergency Contact:

Name and Title: John Todd Facility Owner

Phone Number: 334-887-5746 Email Address: ecc815@conwayacres.com

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

Name and Title: NA

Address:

City: State: Zip:

Phone Number: Email Address:

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

| Permit Type | Permit Number | Held By |
|---|---|---|
| NA | NA | NA |
| | | |
| | | |
| | | |
| | | |

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):

| Facility Name | Permit Number | Type of Action | Date of Action |
|---|---|---|---|
| Conway Acres | AL0064955 | VIOLATION | 10/20/14 |
| | | | |
| | | | |
| | | | |
| | | | |

## SECTION B – WASTEWATER DISCHARGE INFORMATION

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

| Outfall No. | Highest Flow in Last 12 Months (MGD) | Highest Daily Flow (MGD) | Average Flow (MGD) |
|---|---|---|---|
| 0011 | .077 | .182 | .037 |
| | | | |
| | | | |

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

3. Do you share an outfall with another facility? ☐ Yes ☒ No (If no, continue to B.4)
For each shared outfall, provide the following:

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

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

| | | | | |
|---|---|---|---|---|
| **Current:** | Flow Metering | ☒ Yes | ☐ No | ☐ N/A |
| | Sampling Equipment | ☐ Yes | ☐ No | ☒ N/A |
| **Planned:** | Flow Metering | ☐ Yes | ☐ No | ☒ N/A |
| | Sampling Equipment | ☐ Yes | ☐ No | ☒ N/A |

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

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.)

NA

## 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 |
|---|---|
| NA | NA |
| | |
| | |

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* |
|---|---|---|
| NA | | |
| | | |
| | | |

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

## SECTION D – INDUSTRIAL INDIRECT DISCHARGE CONTRIBUTORS

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

| Company Name | Description of Industrial Wastewater | Existing or Proposed | Flow (MGD) | Subject to SID Permit? |
|---|---|---|---|---|
| NA | NA | | | ☐ Yes ☐ No |
| | | | | ☐ Yes ☐ No |
| | | | | ☐ Yes ☐ No |
| | | | | ☐ Yes ☐ No |

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

## SECTION E – COASTAL ZONE INFORMATION

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

| | | Yes | No |
|---|---|---|---|
| 1. | Does the project require new construction? | ☐ | ☐ |
| 2. | Will the project be a source of new air emissions? | ☐ | ☐ |
| 3. | Does the project involve dredging and/or filling of a wetland area or water way? | ☐ | ☐ |
| | If Yes, has the Corps of Engineers (COE) permit been received? | ☐ | ☐ |
| | COE Project No. _____ | | |
| 4. | Does the project involve wetlands and/or submersed grassbeds? | ☐ | ☐ |
| 5. | Are oyster reefs located near the project site? | ☐ | ☐ |
| | If Yes, include a map showing project and discharge location with respect to oyster reefs | | |
| 6. | Does the project involve the site developement, construction and operation of an energy facility as defined in ADEM Admin. Code r. 335-8-1-.02(bb)? | ☐ | ☐ |
| 7. | Does the project involve mitigation of shoreline or coastal area erosion? | ☐ | ☐ |
| 8. | Does the project involve construction on beaches or dune areas? | ☐ | ☐ |
| 9. | Will the project interfere with public access to coastal waters? | ☐ | ☐ |
| 10. | Does the project lie within the 100-year floodplain? | ☐ | ☐ |
| 11. | Does the project involve the registration, sale, use, or application of pesticides? | ☐ | ☐ |
| 12. | Does the project propose or require construction of a new well or to alter an existing groundwater well to pump more than 50 gallons per day (GPD)? | ☐ | ☐ |
| | If yes, has the applicable permit for groundwater recovery or for groundwater well installation been obtained? | ☐ | ☐ |

## SECTION F – ANTI-DEGRADATION EVALUATION

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

1. Is this a new or increased discharge that began after April 3, 1991? ☐ Yes ■ No
   If yes, complete F.2 below. If no, go to Section G.

2. Has an Anti-Degradation Analysis been previously conducted and submitted to the Department for the new or increased discharge referenced in F.1? ☐ Yes ☐ No

   If yes, do not complete this section.

   If no and the discharge is to a Tier II waterbody as defined in ADEM Admin. Code r. 335-6-10-.12(4), complete F.2.A – F.2.F below, ADEM Form 311-Alternatives Analysis, and either ADEM Form 312 or ADEM Form 313- Calculation of Total Annualized Project Costs (Public-Sector or Private-Sector Projects, whichever is applicable). ADEM Form 312 or ADEM Form 313, whichever is applicable, must be provided for **each** treatment discharge alternative considered technically viable. ADEM forms can be found on the Department's website at http://adem.alabama.gov/DeptForms/.

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

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

   _____

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

   _____

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

   _____

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

   _____

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

   _____

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

   _____

## SECTION G – EPA Application Forms

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

1. All applicants must submit Form 1.
2. Applicants for new or existing discharges of sanitary wastewater from Publicly-Owned Treatment Works (POTW) and Other Treatment Works Treating Domestic Sewage (TWTDS) must submit Form 2A.
3. Applicants for new or existing land application of sanitary wastewater must submit Form 2A and, if the land application site is not completely bermed to prevent runoff, applicants must also submit Form 2F.
4. Applicants for new and existing discharges of process wastewater from water treatment facilities (i.e. public water supply treatment plants) must submit Form 2C.
5. Applicants that generate sewage sludge, derive a material from sewage sludge, or dispose of sewage sludge must submit Part 2 of Form 2S.

## SECTION H– ENGINEERING REPORT/BMP PLAN REQUIREMENTS

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

## SECTION I– RECEIVING WATERS

| Outfall No. | Receiving Water(s) | 303(d) Segment? | Included in TMDL?* |
|---|---|---|---|
| | | ☐ Yes ☐ No | ☐ Yes ☐ No |
| | | ☐ Yes ☐ No | ☐ Yes ☐ No |
| | | ☐ Yes ☐ No | ☐ Yes ☐ No |

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

(1) Justification for the requested Compliance Schedule (e.g. time for design and installation of control equipment, etc.);

(2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, MDL/ML, etc. should be submitted as available);

(3) Requested interim limitations, if applicable;

(4) Date of final compliance with the TMDL limitations; and,

(5) Any other additional information available to support requested compliance schedule.

## SECTION J – APPLICATION CERTIFICATION

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

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

Signature of Responsible Official: _____ Date Signed: 2-18-19

Name and Title: John Todd Owner

*If the Responsible Official signing this application is <u>not</u> identified in Section A.5 or A.8, provide the following information:*

Mailing Address: 2038 Lee Road 137

City: Auburn State: Al. Zip: 36832

Phone Number: 334-887-5746 Email Address: ecc815@conwaysacres.com

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

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

(a) In the case of a corporation, by a principal executive officer of at least the level of vice president, or a manager assigned or delegated in accordance with corporate procedures, with such delegation submitted in writing if required by the Department, who is responsible for manufacturing, production, or operating facilities and is authorized to make management decisions which govern the operation of the regulated facility;

(b) In the case of a partnership, by a general partner;

(c) In the case of a sole proprietorship, by the proprietor; or

(d) In the case of a municipal, state, federal, or other public entity, by either a principal executive officer, or ranking elected official.


# Integra Water Lee County WWTP
## Topographic Map
NPDES AL0064955

Integra Water Lee County, LLC

Scale: 1"=1,000 ft.


Integra Water Lee County WWTP
Potential Sprayfield Area
NPDES AL0064955
Integra Water Lee County, LLC

Scale: 1"=500 ft.

# PHASE II HYDROGEOLOGIC ASSESSMENT
# PROPOSED SPRAYFIELD FOR CONWAY ACRES
# AUBURN, AL


**Retained by:**
**Mr. John McDonald**
**President, Integra Water**
**600 University Park Place, Suite 275**
**Birmingham, Alabama 35209**

**Prepared By:**
**GOODWYN, MILLS & CAWOOD, INC.**
**2660 East Chase Lane, Suite 200**
**Montgomery, Alabama 36117**

**April 2014**

## TABLE OF CONTENTS

## CERTIFICATION

*I certify under penalty of law that the Phase II Hydrogeologic Assessment and all plans, specifications, and technical data submitted within were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiring of the person or persons who directly gathered the enclosed 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.*

| | | |
|---|---|---|
| **Signature** | | **Signature** |
| **Name of Alabama Registered Professional Engineer** | **and/or** | **Name of Geologist** James Robinson, P.G. |
| **Seal** | | **Seal** |
| **Date** | | **Date** |

## SECTION I GENERAL SITE DESCRIPTION

### 1.1 LOCATION

The Conway Acres Mobile Home Park in Auburn, Alabama is planning to utilize a spray field to dispose of treated effluent. The disposal area is located in southwest Lee County in Section 3, Township 18 North, Range 25 East (Figure 1). The site is located on a hilltop and associated slope, bounded to the north and west by woods, to the east and south by commercial residential properties (Figure 2).

### 1.2 PHYSIOGRAPHY AND TOPOGRAPHY

The site lies within the Southern Piedmont Upland District of the Piedmont Upland Physiographic Section (Sapp and Emplaincourt, 1975). The Southern Piedmont Upland has been deeply incised by tributaries of the Chattahoochie and Tallapoosa Rivers. It is developed on schist and gneiss, and consists of a rolling topography with no prominent features. According to the 1983 photo revision of the 1971 Loachapoka, Alabama topographic quadrangle, the land surface elevation across the proposed spray field area varies between 540 and 590 feet above sea level. Land surface slopes away from the proposed spray field in all directions, but prominently to the north towards a wooded area. the closest perennial stream is an unnamed tributary of Choctafaula Creek located approximately 200 - 300 feet to the north of the proposed spray field. An intermittent drainage is located approximately 600 feet west of the proposed spray field. The site is located within the Lower Tallapoosa River drainage basin (HUC03150110).

### 1.3 CLIMATE

Lee County lies within east central Alabama, and has a humid subtropical climate characterized by long, hot summers and short, mild winters. Average annual rainfall, for the period of record from 1957 to 2012 in Opelika, Alabama, was about 56.2 inches (Southeast Regional Climate Center, 2013). There is a slight seasonality in the distribution of rainfall. The least precipitation typically occurs from August through November, and the greatest from December through July.

## SECTION II GEOLOGIC AND HYDROLOGIC INFORMATION

### 2.1 GEOLOGIC INFORMATION

The Piedmont Upland Physiographic Section is underlain by complexly folded and faulted igneous and metamorphic rocks that have undergone several stages of alteration. The site is directly underlain by sandy loam, sand, and clay derived from weathered Manchester Schist (Osborne and others, 1988). The Manchester Schist a regional metamorphic rock composed of interlayered muscovite-quartz schist and quartzite; locally it contains garnet, sillimanite and graphite. The movement of ground water in the igneous and metamorphic rocks of the Southern Piedmont Upland is controlled by topography, the character and thickness of the material overlying the aquifer, and the characteristics of the aquifer. Topography is the dominant influence (Kidd, 1989). Ground-water moves from recharge areas towards valleys where it exits the ground-water system and flows into creeks and streams. The water table is a subtle reflection of the topography with much less relief.

Deep and erratic weathering of the igneous and metamorphic rocks typically extends 50 to 100 feet below land surface (Kidd, 1989). Weathered rock that retains some of the properties of the original material is referred to as saprolite. The saprolite directly above the unweathered rock is typically the most productive aquifer (Kidd, 1989). The primary porosity of the saprolite ranges from 40 to 50 percent (Kidd, 1989). The saprolite may supply enough water for domestic wells, however; the saprolite aquifers generally coincide with local surface-water basins. This restricts the volume of recharge available to the aquifers, and makes them unreliable during extended periods of drought.

A small percentage of the water in the saprolite seeps into the underlying rocks. The primary porosity in igneous and metamorphic rocks is less typically than 1 percent (Kidd, 1989). Secondary porosity occurs in the form of fractures, faults, and openings along planes of shistosity. Secondary porosity in the rock typically decreases with depth. The average yield from wells drilled into the igneous and metamorphic rocks of the Alabama Piedmont is 19 gal/min (Kidd, 1989), and less than 10-percent yield 50 gallons per minute or more. None of the rocks in the Alabama Southern Piedmont District are considered major aquifers (Kidd, 1989).

### 2.2 SUBSURFACE EXCAVATION AND DRILLING

The Phase I Hydrogeologic Assessment of the proposed spray field site was performed in late August and early September 2013. The Auburn area received 4.95 inches of rain in August, 2013. The site received significant rainfall on August 14-15 (~3-inches of rain). Shallow soils were wet, and conditions approximated wet season hydraulics. The results of test pit excavation and percolation test results should be interpreted based on these conditions.

The proposed spray field is underlain by the Marvyn and Pacolet sandy loam soil series (Goodwyn, Mills and Cawood, Inc, 2013). Within the proposed spray field area, twenty-nine soil profiles were made with a hand probe to a depth of either approximately 36-inches or to the depth of the first restrictive layer. Three exploratory pits were advanced to 10-feet below land surface (Figure 3). Test pits were kept open for approximately 1-hour to determine if ground water was present. The ground-water surface was encountered only in pit number 1 at a depth of 10-feet below land surface. The sediment profile was measured and described at all hand probe sites, percolation test, and test pit locations. Percolation tests were performed at three locations.

The sediments beneath the proposed spray field are primarily composed of sandy loam topsoil, silica sand, clay, and saprolite. Four distinct lithologic units were described within the shallow sediments: Pale yellowish brown and black sandy loam (top soil), moderate reddish brown quartz sand, moderate reddish brown sandy clay, and clay saprolite. These units were grouped into two hydraulic layers: Layer 1 consists of the sandy loam and underlying sand (0.5 to 37-inches thick); Layer 2 the sandy clay, clay (17-90-inches thick) and saprolite (thickness unknown). A detailed description of each unit is listed in the Phase I Hydrogeologic Assessment in Appendix A, and ADEM form 531 was completed.

A well inventory was performed as part of the Phase I Hydrogeologic Assessment of the site (Goodwyn, Mills and Cawood, 2013). The inventory was performed using a combination of file review, field reconnaissance, resident interviews, and inquiries at the local Public Water Authority. The site does not lie within the delineated Source Water area of any Public Supply well. The local community is served by the local Public Water Authority. There are no private wells currently ***used*** for drinking water within a 1-mile radius of the site. The closest public supply well is Auburn well number 3 located approximately 21,268 feet south – southeast of the proposed sprayfield (Benny Laughlin, Alabama Department of Environmental Management, personal communication).

In March 2014 Goodwyn, Mills and Cawood, Inc. supervised exploratory borehole drilling at four locations at the proposed spray field site. Borings were advanced to the bedrock. Sediments penetrated were collected and described. Shelby tube samples were collected for laboratory analyses. The boreholes were converted to permanent Type II monitoring wells. Data collected during the borehole drilling were used to construct a generalized geologic cross-sections (Figures 4 and 5).

## 2.3 MONITOR WELL INSTALLATION

Goodwyn, Mills and Cawood, Inc. supervised the installation of 4 Type II monitoring wells at the proposed spray field site in March 2014. The wells were installed utilizing 6-in OD hollow stem augers. The wells were constructed of 2-inch diameter, schedule 40 PVC casing and screen. The wells were completed in the first saturated zone encountered. Five to 10-ft of 0.01-slott schedule 40 PVC screens were placed in the bottom of each well, and the well completed with casing to several feet above land surface. Graded sand was placed around the screens, and to a height of 2-ft above the screens. Two feet of bentonite was placed above the sand, and the remaining borehole grouted to land surface with neat cement. A protective metal casing was placed over the 2-inch PVC, and a concrete well pad was poured around each well head. Locking well plugs were placed in each well. Well construction details are listed in Table 2.3.1, and borehole logs and diagrams are included in Appendix A.

Inspection of geologic strata data displayed in Figures 4 and 5, and water-level data measured in the wells indicates that water in the saprolite aquifer is confined by the overlying clay. The elevation of the pressure surface of the ground-water is greater than the elevation of the top of the aquifer

**Table 2.3.1 Monitor Well Construction Details**

| Well ID | Screened Interval (Ft. BLS) | Total Depth (Ft) | Well Diameter (inches) | Sand Pack (Ft. BLS) | Bentonite Seal (Ft. BLS) |
|---|---|---|---|---|---|
| **MW-1** | 15 - 15 | 15 | 2 | 3 - 15 | 2 - 3 |
| **MW-2** | 19 - 29 | 29 | 2 | 17 - 29 | 15 - 17 |
| **MW-3** | 20 - 30 | 30 | 2 | 18 - 30 | 17 - 18 |
| **MW-4** | 5 - 10 | 10 | 2 | 3 - 10 | 2 - 3 |

***Installed by CTE**
**ID: identification number**
**BLS: below land surface**
**Ft: feet**

On April 10, 2014 GMC personnel returned to develop the wells, make water-level measurements, and perform slug tests. An electronic water-level tape was used to determine the depth to water below the measuring point of each well (Table 2.3.2). The wetted volume of each well was computed, and the well pumped with a submersible purge pump until 3-5 well volumes had been removed or the well went dry. The water-levels were allowed to recover, and water-quality readings taken directly from the well using a YSI multi-meter. Observed water-quality readings are listed in Table 2.3.3.

The water-levels were contoured and a ground-water surface map prepared (Figure 6). Inspection of geologic strata displayed in Figures 4 and 5, and water-level data measured in the wells indicates the saprolite aquifer is confined. The elevation of the pressure surface of the ground-water is greater than the elevation of the top of the aquifer in wells MW-1, 2, and 3. The shallow saturated sediments that well MW-4 is completed in are unconfined. This well probably taps a perched water-table, and water will be present only during the wet season.

**Table 2.3.2 Monitor Well/Ground-Water Elevation 4/10/2014**

| Well ID | Land Surface Elevation (ft MSL) | Elevation of Measuring Point (ft MSL) | Depth to Ground Water (ft BMP) | Ground-water Elevation used for water-level map (ft MSL) |
|---|---|---|---|---|
| MW-1 | 545.06 | 548.68 | 4.96 | 543.72 |
| MW-2 | 559.65 | 563.29 | 8.16 | 555.13 |
| MW-3 | 560.04 | 563.44 | 5.91 | 557.53 |
| MW-4 | 590.21 | 594.17 | 6.48 | 587.69 |

ID: identification number; BLS: below land surface; ft: feet; msl: mean sea level;
Some water levels were measured numerous times over several days
** depth below measuring point

**Table 2.3.3 Measurements of Physical Parameters of Ground Water**

| Well ID | Date | Temperature (°C) | Specific Conductance (uS/cm, 25°C ) | PH (standard units) | Dissolved Oxygen (mg/L) |
|---|---|---|---|---|---|
| MW-1 | 04/10/2014 | 16.0 | 35.1 | 6.0 | 5.7 |
| MW-2 | 04/10/2014 | 16.7 | 53.1 | 6.0 | 4.4 |
| MW-3 | 04/10/2014 | 16.9 | 80.9 | 5.8 | 3.2 |
| MW-4 | 04/10/2014 | 13.3 | 114.5 | 6.0 | 6.4 |

°C : degrees Celsius
uS/cm: microsiemens per centimeter at 25° celsius
mg/L: milligrams per Liter

## 2.4 ESTIMATES OF SEDIMENT AND AQUIFER PERMEABILITY

The proposed spray field is underlain by the Marvyn and Pacolet sandy loam soil series (GMC, 2013). The sediments are primarily composed of sandy loam topsoil, silica sand, clay, and saprolite at depth. Four distinct lithologic units were described within the shallow sediments: Pale yellowish brown and black sandy loam (top soil), moderate reddish brown quartz sand, moderate reddish brown sandy clay, and clay saprolite (GMC 2013). These units were grouped into two hydraulic layers: Layer 1 consists of the sandy loam and underlying sand (0.5 to 37-inches thick); Layer 2 the sandy clay (17- 90-inches thick) and saprolite (10-25 feet). The usable sediments at the site are present from land surface to variable depths ranging from less than an inch to greater than 36-inches. Areas where the permeable soils were less than 15-inches thick were ***excluded*** from the proposed spray field area (Figure 2). The site was divided into a northern area of about 2.2-acres and a southern area of about 5-acres on the basis of thickness of permeable soils.

### 2.4.1 Percolation Tests

Goodwyn, Mills and Cawood performed three percolation tests at he proposed spray field during 2013. The tests were performed following guidelines published by Alabama Department of Public Health, November 2006, revised 2013. Results of the tests are listed in Table 2.4.1.

### 2.4.2 Shelby Tube Analyses

Two Shelby Tubes were collected during the drilling of well 4. One, from 2-4 feet below land surface, was analyzed for physical properties (Table 2.4.1). The second tube, from 6-8 feet below land surface, was analyzed for vertical hydraulic conductivity using a constant head permeameter test (Table 2.4.1). Results of Shelby Tube analyses are included in Appendix B.

## 2.5 SLUG TESTS

Slug tests were performed on the saprolite aquifer utilizing MW-3 (Appendix C). A solid piece of PVC was used to displace a volume of water, and the recovery of the water-level was monitored with a pressure transducer. A solid bailer (slug) was inserted (slug in) or quickly withdrawn (slug out) from the well. The Bower and Rice (1976) method as implemented by ATESOLV software (Glenn Duffield, 2007) was used to analyze the data (Appendix C).

During the slug-in test the water pressure in the confined aquifer resisted insertion of the slugger. As a result, the slugger "floated" slowly down the well. Inspection of the data indicated that the slug-in data MAY BE unreliable. The slug test data were entered into the computer program (Appendix C) and results of analyses yielded estimates of hydraulic conductivities on the order of 0.4 – 0.5 ft/d. That value is consistent with a low yield, clay-matrix aquifer developed from weathering of igneous and metamorphic rocks (Table 2.4.1).

**Table 2.4.1 Sediment Properties**

| Perc Test | Major Lithology | Interval Tested (inches) | [1]Percolation Test (Min/in) | [2]Spray Field Application Rate gpd/ft² | Depth to ground water (ft) |
|---|---|---|---|---|---|
| 1 | Sand | 14 - 20 | 3.1 | 0.45 | 10 |
| 2 | Sand | 14 - 20 | 2.35 | 0.45 | >10 |
| 3 | Sandy Clay | 9 - 15 | 80 | 0.1 | >10 |

| Physical Parameters From Shelby Tubes at Well 4 | Test Method | Result | Source |
|---|---|---|---|
| Water Content 2-4 ft | ASTM 2216-98 | 0.416 $cm^3/cm^3$ | Christian Testing Labs |
| Specific Gravity 2-4 ft | ASTM D854 | 2.683 | Christian Testing Labs |
| Dry Bulk Density 2-4 ft | ASTM D2937-94 | 1.582 $g/cm^3$ | Christian Testing Labs |
| Fractional Organic Carbon 2-4 ft | ASTM D2974 | 2.22 % | Christian Testing Labs |
| Porosity 2-4 ft | | 0.410 | Christian Testing Labs |
| Vertical Hydraulic Conductivity, 6-8 ft | Constant Head Permeameter | 1.72x10-5 ft/d | Christian Testing Labs |
| Hydraulic Conductivity of Saprolite aquifer at Well 3 | Slug Test Bower and Rice, 1976 | 0.4 – 0.5 ft/d | Goodwyn, Mills and Cawood, Inc. |

1: Percolation test performed following guidelines published by Alabama Department of Public Health, November 2006, revised 2013;
2: From Table 11 Appendix A, Alabama Department of Public Health, 2013

## 3.4 MONITORINTG FREQUENCY AND TIMIMG

All monitoring wells will be sampled on a semi-annual basis during the months of March and September.

## 3.5 GROUND-WATER MONITORING REPORTS

An annual ground-water monitoring report will be submitted during the month of January. The report will summarize the collective semi-annual sampling and analyses results. The annual report will include:

a) The nature and extent of ground water contamination (if any);
b) discussion of all analytical results;
c) discussion of concentration trends;
d) potentiometric data collected during each monitoring event. Include top of casing elevation, measured water-level, total well depth, and calculated ground-water elevations;
e) maps showing the ground-water flow direction for each monitoring event will be included;
f) field parameter data collected during well purging;
g) specific dates of ground-water sampling;
h) the report shall be prepared and bear the signature and seal of either a licensed professional geologist of professional engineer registered in the State of Alabama.

## 3.6 RECOMMENDATION

GMC recommends sampling and analyses of the ground-water in the monitoring wells prior to use of the spray field.

**SECTION IV REFERENCES**

Alabama Department of Public Health, Division of Community Environmental Protection, Nobember 2006: Chapter 420-3-1 – Onsite Sewage Treatment and Disposal.

Alabama Department of Public Health, Division of Community Environmental Protection, 2013: Proposed updates to Chapter 420-3-1 – Onsite Sewage Treatment and Disposal.

Bouwer, Herman and Rice, R.C., 1976, A slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells, Water Resources Research 12(3) 423–428.

Davis, M.E., 1987, Stratigraphic and hydrogeologic framework of the Alabama Coastal Plain: U.S. Geological Survey Water-Resources Investigations Report 87-4112, 39 p.

Duffield, G.M., 2007, AQTESOLV for Windows: published by HydroSolve, Inc. Reston Va.

Freeze, R.A., and Cherry, J.A., 1979, Groundwater: Prentice-Hall, Inc., Englewood Cliffs, New Jersey, 604 p.

Kopaska-Merkel, D.C., Dean, L.S., and Moore, J.D., 2000, Hydrogeology and vulnerability to contamination of major aquifers in Alabama: Area 5: Geological Survey of Alabama Compact Disc 3.

Kidd, R.E., 1989, Geohydrology and susceptibility of aquifers to surface contamination in Alabama; Area 5: U.S. Geological Survey WRIR 88-4-83.

Sapp, C.D., and Emplaincourt, J., 1975, Physiographic regions of Alabama: Geological Survey of Alabama Map 168.

Scott, J.C., and Lines, G.C., 1972, Water availability, Lee County, Alabama: Alabama Geological Survey Circular 138, 27 p.

Southeast Regional Climate Center, 2013, Historical climate summaries for Alabama, accessed at http://sercc.com/climateinfo/historical.

Osborne, W.E., Szabo, M.W., Neathery, T.L., and Copeland, C.W., Jr., 1988, Geologic Map of Alabama – Northeast Sheet: Geological Survey of Alabama Special Map 220, 1:250,000 scale.

U.S. Geological Survey, 1971, Loachapoka, Alabama 7.5-minute topographic quadrangle, U.S. Geological Survey 1:24,000 scale, photorevised 1983.

# FIGURES


REF. SHEET: 1

DESCRIPTION: LOCATION OF PROPOSED SPRAYFIELD

**CONWAY ACRES**
**LEE COUNTY, ALABAMA**

# Figure 1

SUPPLEMENTAL DRAWING
GMC #
DATE: 8/2013
DRAWN BY: JLR

GOODWYN | MILLS | CAWOOD
2660 EASTCHASE LANE, SUITE 200 | MONTGOMERY, AL 36117
Tel 334.271.3200 | GMCNETWORK.COM


REF. SHEET: 1

DESCRIPTION: GENERAL SITE LAYOUT

**CONWAY ACRES**
**LEE COUNTY, ALABAMA**

Figure 2

SUPPLEMENTAL DRAWING
GMC #
DATE: 8/2013
DRAWN BY: JLR

GOODWYN | MILLS | CAWOOD
2660 EASTCHASE LANE, SUITE 200 | MONTGOMERY, AL 36117
Tel 334.271.3200 | GMCNETWORK.COM


REF. SHEET: 1

DESCRIPTION: SOIL BORING AND MONITOR WELL LOCATIONS

**CONWAY ACRES**
**LEE COUNTY, ALABAMA**

Figure 3

SUPPLEMENTAL DRAWING
GMC #
DATE: 4/2014
DRAWN BY: JLR

GOODWYN | MILLS | CAWOOD
2660 EASTCHASE LANE, SUITE 200 | MONTGOMERY, AL 36117
Tel 334.271.3200 | GMCNETWORK.COM

LEGEND

MW-1 *MONITORING WELL (INSTALLED DURING GROUNDWATER ASSESSMENT)*

SAND | SANDY CLAY AND CLAY | SAPROLITE, SILTY, MICA | SCHIST

GROUND-WATER LEVEL MEASURED APRIL 2014

WELL SCREENS

NORTH

SOUTH

MW-3

TEST PIT 2

TEST PIT 1

MW-4

DRY

DRY

WET

SANDY CLAY

perched water table 4-10-2014

SAND

SAPROLITE

estimated pressure surface of confined saprolite aquifer 4-10-2014

SCHIST

600
590
580
570
560
550
540
530
520

ELEVATION IN FEET ABOVE MEAN SEA LEVEL

SCALE

0 100 FEET

50

**SHEET TITLE:**
GENERALIZED GEOLOGIC CROSS-SECTION

**LOCATION:**
CONWAY ACRES
AUBURN, ALABAMA
LEE COUNTY

**PROJECT:**
PHASE II
HYDROGEOLOGIC
ASSESSMENT


Goodwyn, Mills & Cawood, Inc.
P.O. Box 242128
2660 East Chase Lane, Suite 200
Montgomery, AL 36117


| | |
|---|---|
| DESIGNED: | J. Robinson |
| DRAWN: | J. Robinson |
| SCALE: | AS SHOWN |
| DATE: | APRIL 2014 |

| REV. NO.: | DATE: | FIGURE NO.: |
|---|---|---|
| 1 | 4/14 | 4 |


LEGEND

MW-3 *MONITORING WELL (INSTALLED DURING GROUNDWATER ASSESSMENT)*

SILTY CLAY | SAPROLITE, SILTY, MICA | SCHIST

GROUND-WATER LEVEL MEASURED APRIL 2014

SEEPS OBSERVED 4/10/14

WELL SCREENS

EAST

WEST

MW-1

MW-2

MW-3

pressure surface of confined saprolite aquifer 4-10-2014

SANDY CLAY DRY

SAPROLITE

SCHIST

570
560
550
540
530
520
510
500

*ELEVATION IN FEET ABOVE MEAN SEA LEVEL*

SCALE

0 100 FEET

50

**SHEET TITLE:**
GENERALIZED GEOLOGIC CROSS-SECTION

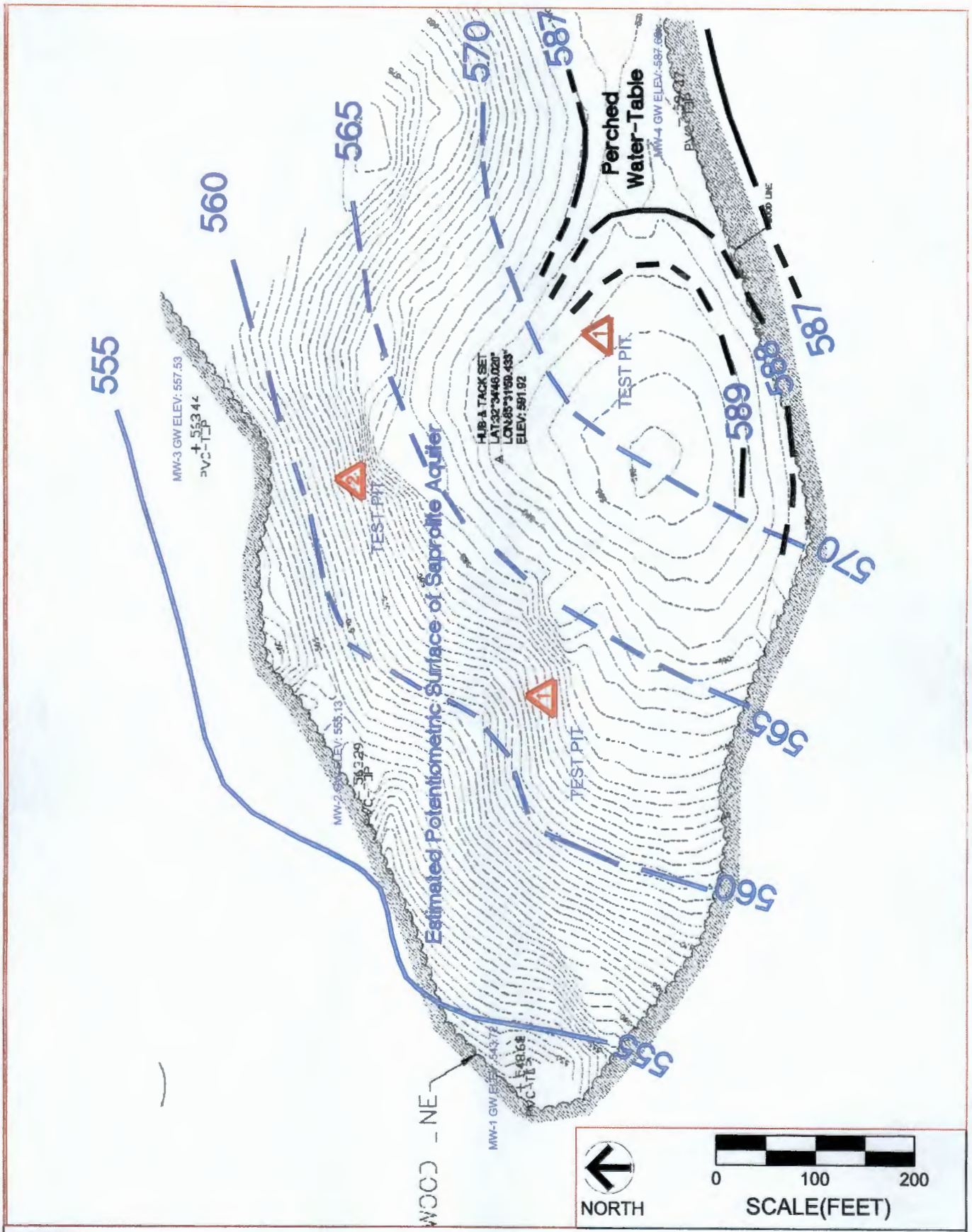
**LOCATION:**
CONWAY ACRES
AUBURN, ALABAMA
LEE COUNTY

**PROJECT:**
PHASE II
HYDROGEOLOGIC
ASSESSMENT

Goodwyn, Mills & Cawood, Inc.
P.O. Box 242128
2660 East Chase Lane, Suite 200
Montgomery, AL 36117

| | |
|---|---|
| DESIGNED: | J. Robinson |
| DRAWN: | J. Robinson |
| SCALE: | AS SHOWN |
| DATE: | APRIL 2014 |

| REV. NO.: | DATE: | FIGURE NO.: |
|---|---|---|
| 1 | 4/14 | 5 |




REF. SHEET: 1

DESCRIPTION: GROUND-WATER SURFACES 4-10-14

**CONWAY ACRES**
**LEE COUNTY, ALABAMA**

# Figure 6

SUPPLEMENTAL DRAWING
GMC #
DATE: 4/2014
DRAWN BY: JLR

GOODWYN | MILLS | CAWOOD
2660 EASTCHASE LANE, SUITE 200 | MONTGOMERY, AL 36117
Tel 334.271.3200 | GMCNETWORK.COM

# APPENDIX A

# BOREHOLE LOGS

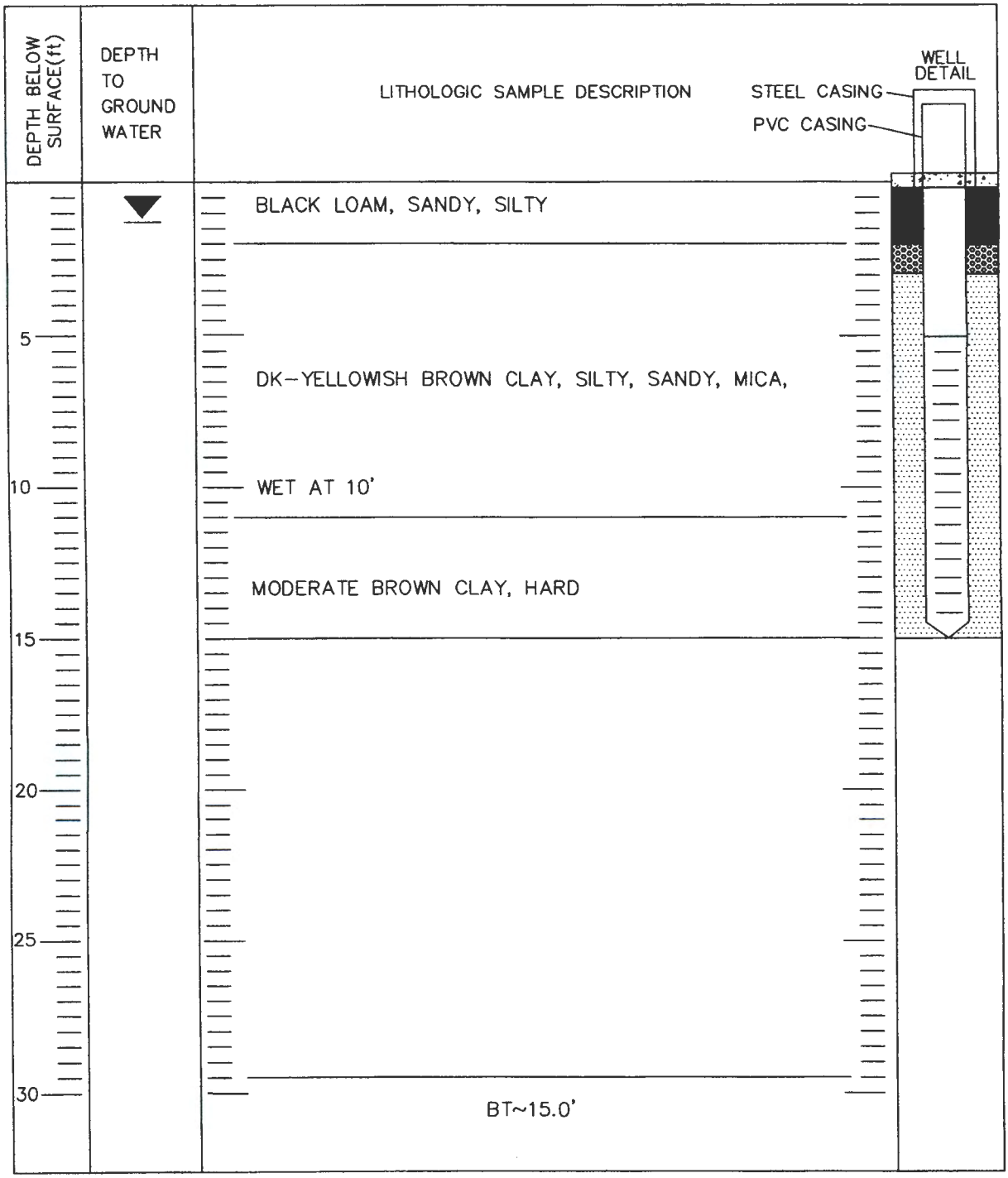
| Descriptive lithology of shallow sediments | | | |
|---|---|---|---|
| **Lithologic Unit** | **Hydraulic Unit** | **Range in thickness (inches)** | **Description** |
| 1 | 1 | 0-10 | Sandy loam, pale yellowish brown (10YR6/2), dusky brown (5YR2/2), grayish black (N2), fine to medium grained quartz sand, silty, roots and organics. |
| 2 | | 0-37 | Sand, pale yellowish brown (10YR6/2), light brown (5YR5/6), moderate reddish brown (10R4/6), dark yellowish orange (10YR6/6), fine to medium grained quartz sand, grading to clayey sand and clay with depth, occasional rock fragments, mica, typically loose and friable, good permeability. |
| 3 | 2 | 17-90 | Clay, moderate reddish brown (10R4/6) to dark reddish brown (10R3/4), grayish orange (10YR7/4), silt, mica, occasionally sandy, quartz rock fragments, hard, very low permeability |
| 4 | | unknown | Saprolite, moderate to dark reddish brown (10R4/6 - 3/4), very light gray (N8), pale red (10R6/2), grayish orange pink (5YR7/2), layered, multicolored, mica and quartz rich clay with rock fragments, low permeability |

# BORING LOG

GOODWYN, MILLS & CAWOOD
2660 EAST CHASE LANE
SUITE 200
MONTGOMERY, AL. 36117

| PROJECT NUMBER | BORING NUMBER |
|---|---|
| Conway Acres | B-1/MW-1 |

PROJECT Conway Acres Spray Field DRILLING CONTRACTOR CCI/CTL
BORING LOCATION North west portion of lower field, 032 34 45.8/085 32 06.8
DRILLING METHOD AND EQUIPMENT ATV Drill w/4 1/4-in I.D., 6-in O.D. hollow stem auger
DEPTH TO WATER/DATE 1.33-ft below LSD' on 4-10-2014



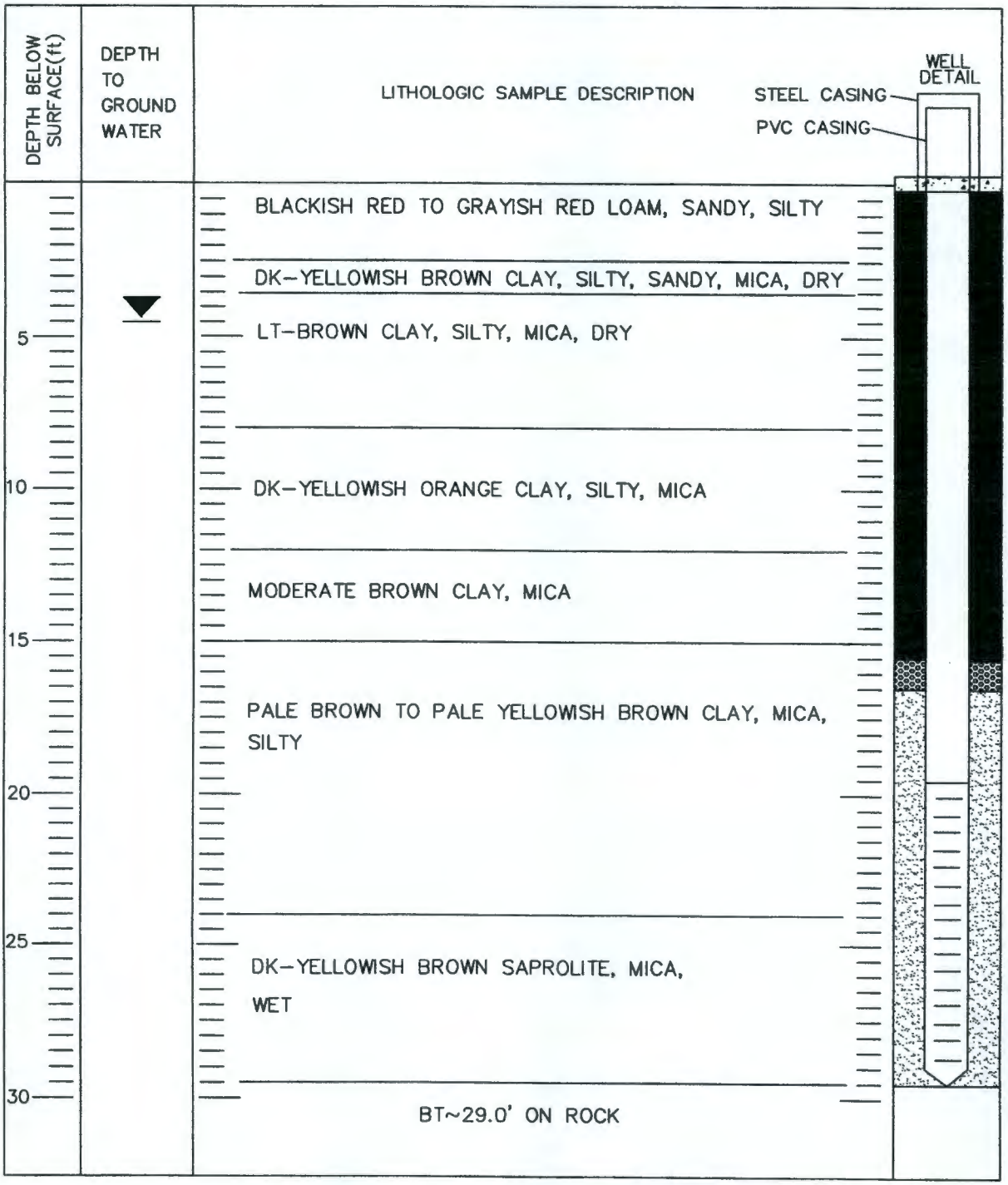

WATER LEVEL
BT= BORING TERMINATED
GROUT
BENTONITE PELLETS
GRADED SAND
Concrete
PVC RISER
PVC SCREEN

# BORING LOG

GOODWYN, MILLS & CAWOOD
2660 EAST CHASE LANE
SUITE 200
MONTGOMERY, AL. 36117

| PROJECT NUMBER | BORING NUMBER |
|---|---|
| Conway Acres | B-2/MW-2 |

PROJECT Conway Acres Spray Field
DRILLING CONTRACTOR CCI/CTL
BORING LOCATION North central portion of lower field, 32 34 47.5/085 32 03.3
DRILLING METHOD AND EQUIPMENT ATV Drill w/4 1/4-in I.D., 6-in O.D. hollow stem auger
DEPTH TO WATER/DATE 4.51-ft below LSD' on 4-10-2014



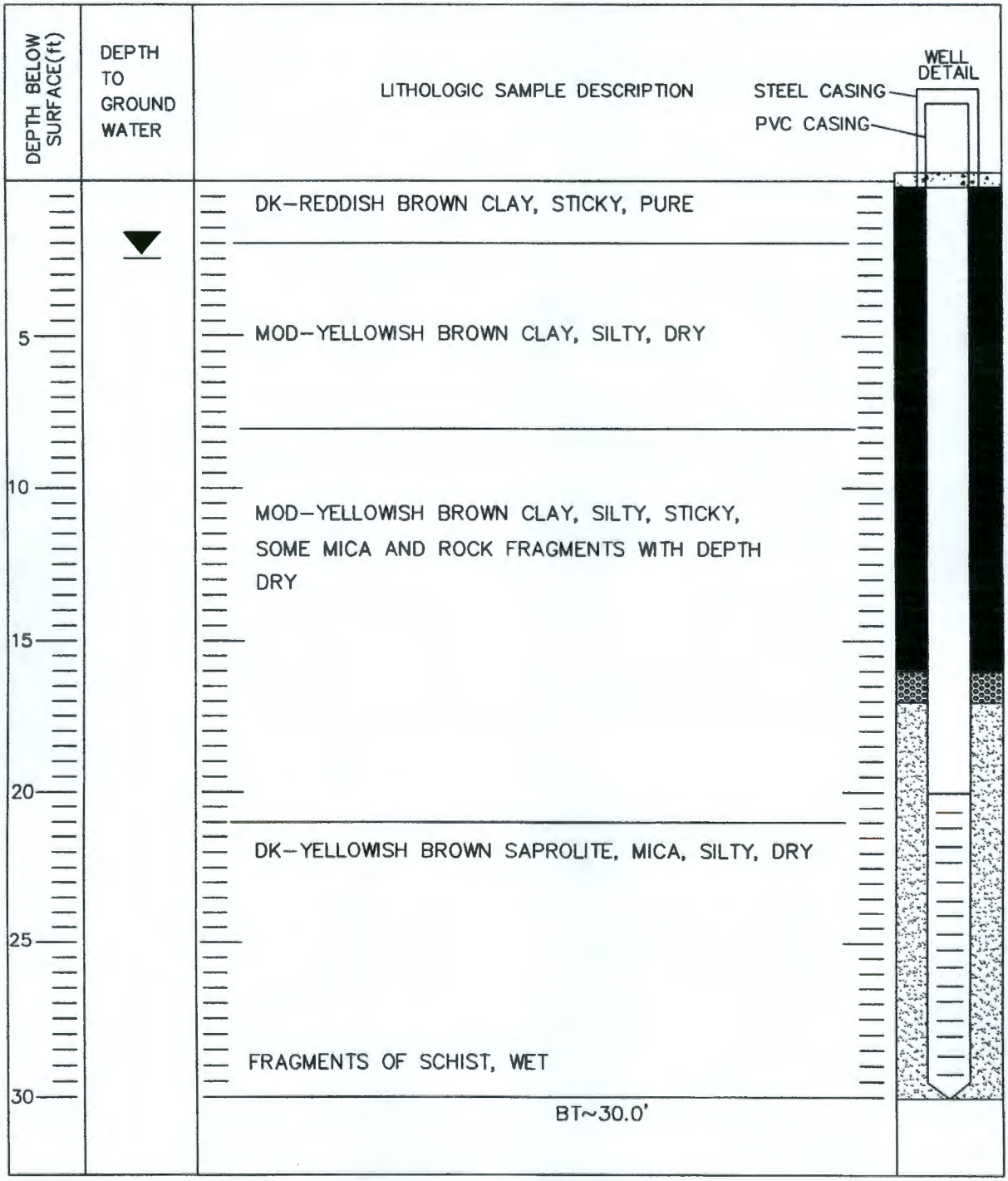

WATER LEVEL
BT= BORING TERMINATED
GROUT
BENTONITE PELLETS
GRADED SAND
Concrete
PVC RISER
PVC SCREEN

# BORING LOG

GOODWYN, MILLS & CAWOOD
2660 EAST CHASE LANE
SUITE 200
MONTGOMERY, AL. 36117

| PROJECT NUMBER | BORING NUMBER |
|---|---|
| Conway Acres | B-3/MW-3 |

PROJECT Conway Acres Spray Field DRILLING CONTRACTOR CCI/CTL
BORING LOCATION North east portion of lower field, 32 34 48.7/085 31 59.1
DRILLING METHOD AND EQUIPMENT ATV Drill w/4 1/4-in I.D., 6-in O.D. hollow stem auger
DEPTH TO WATER/DATE 2.51-ft below LSD' on 4-10-2014



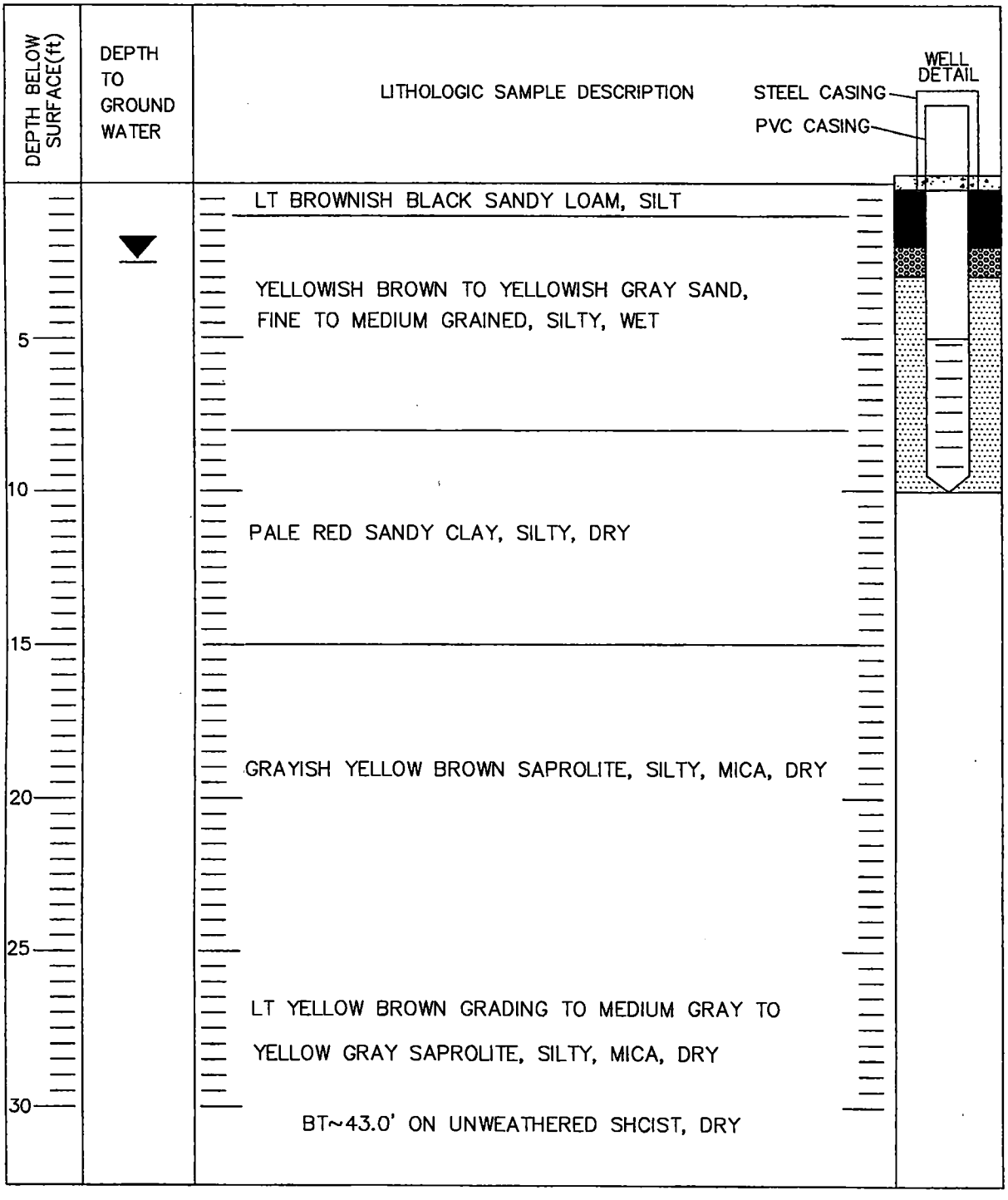

WATER LEVEL
BT= BORING TERMINATED
GROUT
BENTONITE PELLETS
GRADED SAND
Concrete
PVC RISER
PVC SCREEN

# BORING LOG

GOODWYN, MILLS & CAWOOD
2660 EAST CHASE LANE
SUITE 200
MONTGOMERY, AL. 36117

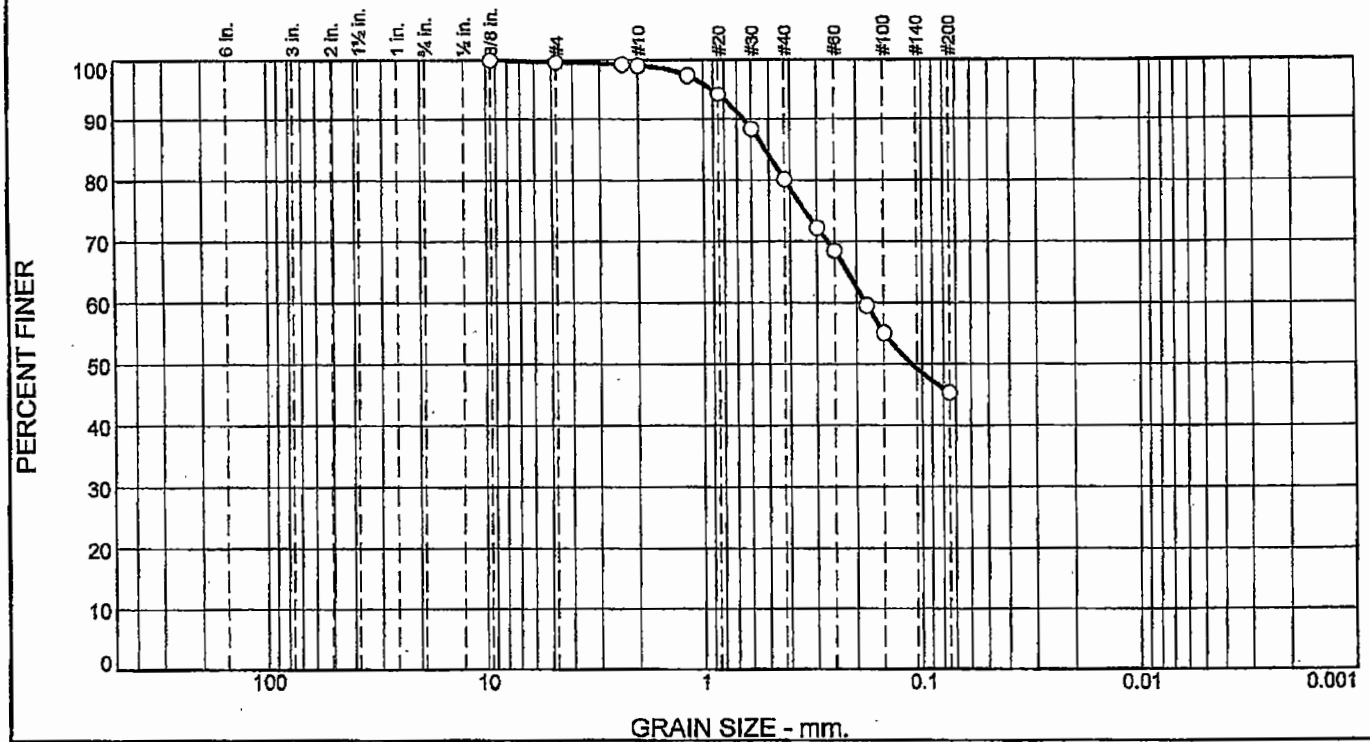
| PROJECT NUMBER | BORING NUMBER |
|---|---|
| Conway Acres | B-4/MW-4 |

PROJECT Conway Acres Spray Field DRILLING CONTRACTOR CCI/CTL
BORING LOCATION south portion of upper field 32 34 44.3/085 31 55.6
DRILLING METHOD AND EQUIPMENT ATV Drill w/4 1/4-in I.D., 6-in O.D. hollow stem auger
DEPTH TO WATER/DATE 2.52-ft below LSD' on 4-10-2014




WATER LEVEL
BT= BORING TERMINATED
GROUT
BENTONITE PELLETS
GRADED SAND
Concrete
PVC RISER
PVC SCREEN

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.4 | 0.5 | 19.0 | 34.8 | 45.3 | |

**TEST RESULTS**

| Opening Size | Percent Finer | Spec.* (Percent) | Pass? (X=Fail) |
|---|---|---|---|
| 3/8" | 100.0 | | |
| #4 | 99.6 | | |
| #8 | 99.3 | | |
| #10 | 99.1 | | |
| #16 | 97.5 | | |
| #20 | 94.3 | | |
| #30 | 88.4 | | |
| #40 | 80.1 | | |
| #50 | 72.3 | | |
| #60 | 68.4 | | |
| #80 | 59.5 | | |
| #100 | 55.1 | | |
| #200 | 45.3 | | |

* (no specification provided)

**Material Description**

**Atterberg Limits (ASTM D 4318)**

PL= LL= PI=

**Classification**

USCS (D 2487)= AASHTO (M 145)=

**Coefficients**

$D_{90}$= 0.6506 $D_{85}$= 0.5184 $D_{60}$= 0.1831
$D_{50}$= 0.1124 $D_{30}$= $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Remarks**

**Date Received:** 4/1/14 **Date Tested:** 4/4/14

**Tested By:** TE

**Checked By:** TJJ

**Title:** Lab Manager

**Source of Sample:** Well #4 **Depth:** 2-4' **Date Sampled:** 4/1/14

**Sample Number:** 26

**CTL, INC.**

**Client:** GM&C

**Project:** Conway Acres
Auburn, AL

**Project No:** DS-2224-14 **Figure**

Please print or type in the unshaded areas only.

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

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

FORM 2F NPDES

U.S. Environmental Protection Agency
Washington, DC 20460

# Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

**Paperwork Reduction Act Notice**

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

## I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

| A. Outfall Number (*list*) | B. Latitude | | | C. Longitude | | | D. Receiving Water (*name*) |
|---|---|---|---|---|---|---|---|
| 1 (Representative) | 32° | 34' | 47.7" N | 85° | 32' | 4.2" W | Tributary of Choctafaula Creek |
| 2 | 32° | 34' | 48.9" N | 85° | 32' | 1.9" W | Tributary of Choctafaula Creek |
| 3 | 32° | 34' | 49.7" N | 85° | 32' | 0.5" W | Tributary of Choctafaula Creek |
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## II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

| 1. Identification of Conditions, Agreements, Etc. | 2. Affected Outfalls | | 3. Brief Description of Project | 4. Final Compliance Date | |
|---|---|---|---|---|---|
| | number | source of discharge | | a. req. | b. proj. |
| N/A | | | | | |
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B: You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

## III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage of disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharges from the facility.





Continue on Page 2

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)* |
|---|---|---|---|---|---|
| 1 | 0 Acres | 1.45 Acres | | | |
| 2 | 0 Acres | 1.04 Acres | | | |
| 3 | 0 Acres | 1.02 Acres | | | |

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.

The only materials that are currently and have been in the past exposed to storm water is the treated WWTP effluent that is sprayed on the sprayfield. In order to minimize contact of the sprayed effluent with storm water runoff, the spraying activities are not conducted during rain events. No pesticides, herbicides, soil conditioners or fertilizers are applied to the sprayfield.

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 |
|---|---|---|
| 1 | No structural or nonstructural control measures to reduce pollutants in storm water. | 4-A |
| 2 | No structural or nonstructural control measures to reduce pollutants in storm water. | 4-A |
| 3 | No structural or nonstructural control measures to reduce pollutants in storm water. | 4-A |

## V. Nonstormwater Discharges

A. I certify under penalty of law hat 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 From 2E application for the outfall.

| Name and Official Title *(type or print)* | Signature | Date Signed |
|---|---|---|
| N/A | | |

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.

N/A

## 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.

No significant leaks or spills of toxic or hazardous pollutants have occurred at the facility in the last three years.

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*)

## 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 |
|---|---|---|---|
| N/A | | | |

## 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*) | B. Area Code and Phone No. |
|---|---|
| John W. Todd Owner | 334 887 5746 |
| C. Signature | D. Date Signed |
| | 5-23-19 |

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

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

## VII. Discharge information *(Continued from page 3 of Form 2F)*

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

| Pollutant and CAS Number *(if available)* | Maximum Values *(include units)* | | Average Values *(include units)* | | Number of Storm Events Sampled | Sources of Pollutants |
|---|---|---|---|---|---|---|
| | Grab Sample Taken During First 20 Minutes | Flow-Weighted Composite | Grab Sample Taken During First 20 Minutes | Flow-Weighted Composite | | |
| Oil and Grease | <4.56 mg/L | N/A | N/A | N/A | 1 | Sprayfield |
| Biological Oxygen Demand (BOD5) | 2.56 mg/L | N/A | N/A | N/A | 1 | Sprayfield |
| Chemical Oxygen Demand (COD) | 33.3 mg/L | N/A | N/A | N/A | 1 | Sprayfield |
| Total Suspended Solids (TSS) | 3.75 mg/L | N/A | N/A | N/A | 1 | Sprayfield |
| Total Nitrogen | 0.783 mg N/L | N/A | N/A | N/A | 1 | Sprayfield |
| Total Phosphorus | <0.100 mg P/L | N/A | N/A | N/A | 1 | Sprayfield |
| pH | Minimum 6.98 | Maximum N/A | Minimum N/A | Maximum N/A | 1 | Sprayfield |

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

| Pollutant and CAS Number *(if available)* | Maximum Values *(include units)* | | Average Values *(include units)* | | Number of Storm Events Sampled | Sources of Pollutants |
|---|---|---|---|---|---|---|
| | Grab Sample Taken During First 20 Minutes | Flow-Weighted Composite | Grab Sample Taken During First 20 Minutes | Flow-Weighted Composite | | |
| E.Coli | 686.7 MPN/100 mL | N/A | N/A | N/A | 1 | Sprayfield |
| Ammonia | <0.200 mg N/L | N/A | N/A | N/A | 1 | Sprayfield |
| NO2-NO3 | <0.035 mg N/L | N/A | N/A | N/A | 1 | Sprayfield |
| TKN | 0.783 mg N/L | N/A | N/A | N/A | 1 | Sprayfield |

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

| Pollutant and CAS Number *(if available)* | Maximum Values *(include units)* | | Average Values *(include units)* | | Number of Storm Events Sampled | Sources of Pollutants |
|---|---|---|---|---|---|---|
| | Grab Sample Taken During First 20 Minutes | Flow-Weighted Composite | Grab Sample Taken During First 20 Minutes | Flow-Weighted Composite | | |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A |
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Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

| 1. Date of Storm Event | 2. Duration of Storm Event *(in minutes)* | 3. Total rainfall during storm event *(in inches)* | 4. Number of hours between beginning of storm measured and end of previous measurable rain event | 5. Maximum flow rate during rain event *(gallons/minute or specify units)* | 6. Total flow from rain event *(gallons or specify units)* |
|---|---|---|---|---|---|
| N/A | N/A | N/A | N/A | N/A | N/A |

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

N/A


# OUTFALL SITE DRAINAGE MAP
# CONWAY ACRES SPRAYFIELD
# NPDES FORM 2F
# NPDES PERMIT No. AL0064955

KELLY ENGINEERING, LLC
352 AVON ROAD
MONTGOMERY, ALABAMA 36109

FIGURE NO. 1

GRAPHIC SCALE IN FEET: 0 150 300 600

DATE: MAY 22, 2019

MWS MCDONALD WASTEWATER SERVICES LLC

189 Menowa Drive, Dadeville Al. 36853 334-740-9485 smac8219@gmail.com



5/23/19

Ms. Torbert,

This is the location of the Up Stream and Down Stream GPS locations of Conway Acres Sprayfield . These locations were located by Kelly Engineering during the permit renewal. Please contact me with any questions or concerns.

Thank you,

Steve McDonald
McDonald Wastewater Services L.L.C

Locations on the tributary of Choctafaula Creek:
Up Stream Location: 32.5837982, -85.5301637
Down Stream Location: 32.5794054, -85.5365856

**FACILITY NAME AND PERMIT NUMBER:** AL0064955

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

## PART 1: LIMITED BACKGROUND INFORMATION

**This part should be completed only by "sludge-only" facilities - that is, facilities that do not currently have, and are not applying for, an NPDES permit for a direct discharge to a surface body of water.**

**For purposes of this form, the term "you" refers to the applicant. "This facility" and "your facility" refer to the facility for which application information is submitted.**

**1. Facility Information.**

a. Facility name: Conway Acres Trailer Park

b. Mailing Address:

c. Contact person: John Todd

Title: Owner

Telephone number: 334-887-5746

d. Facility Address (not P.O. B ox): 2038 Lee Road 137
Auburn, Al. 36832

RECEIVED
FEB 20 2019
IND / MUN BRANCH

e. Indicate the type of facility

_____ Publicly owned treatment works (POTW) ✓ Privately owned treatment works

_____ Federally owned treatment works _____ Blending or treatment operation

_____ Surface disposal site _____ Sewage sludge incinerator

_____ Other (describe) _____

**2. Applicant Information.**

a. Applicant name: Conway Acres Trailer Park

b. Mailing Address:

c. Contact person: John Todd

Title: Owner

Telephone number: 334-887-5746

d. Is the applicant the owner or operator (or both) of this facility?

✓ owner _____ operator

e. Should correspondence regarding this permit be directed to the facility or the applicant?

_____ facility ✓ applicant

**FACILITY NAME AND PERMIT NUMBER:** AL0064955

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

3. **Sewage Sludge Amount.** Provide the total dry metric tons per latest 365 day period of sewage sludge handled under the following practices:

| | | |
|---|---|---|
| a. | Amount generated at the facility | NOT KNOWN dry metric tons |
| b. | Amount received from off site | 0 dry metric tons |
| c. | Amount treated or blended on site | 0 dry metric tons |
| d. | Amount sold or given away in a bag or other container for application to the land | 0 dry metric tons |
| e. | Amount of bulk sewage sludge shipped off site for treatment or blending | 0 dry metric tons |
| f. | Amount applied to the land in bulk form | 0 dry metric tons |
| g. | Amount placed on a surface disposal site | 0 dry metric tons |
| h. | Amount fired in a sewage sludge incinerator | 0 dry metric tons |
| i. | Amount sent to a municipal solid waste landfill | 0 dry metric tons |
| j. | Amount used or disposed by another practice | dry metric tons |

Describe Primary lagoon cell holds all solids for anaerobic digestion of sludge.

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

| POLLUTANT | CONCENTRATION (mg/kg dry weight) | ANALYTICAL METHOD | DETECTION LEVEL FOR ANALYSIS |
|---|---|---|---|
| ARSENIC | NA | NA | NA |
| CADMIUM | NA | NA | NA |
| CHROMIUM | NA | NA | NA |
| COPPER | NA | NA | NA |
| LEAD | NA | NA | NA |
| MERCURY | NA | NA | NA |
| MOLYBDENUM | NA | NA | NA |
| NICKEL | NA | NA | NA |
| SELENIUM | NA | NA | NA |
| ZINC | NA | NA | NA |

5. **Treatment Provided At Your Facility.**

a. Which class of pathogen reduction does the sewage sludge meet at your facility?

_____ Class A _____ Class B ✓ Neither or unknown

b. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:

No treatment process is used for reducing pathogens in the sewage sludge. The sewage sludge is held in the primary lagoon cell by means of settelbility and is digested by anaerobic bacteria. Yearly the sludge level is monitored by measuring the sludge depth with a Sludge Judge measuring device. There has been no increase in the sludge blanket depth over the last five years .

c. Which vector attraction reduction option is met for the sewage sludge at your facility?

_____ Option 1 (Minimum 38 percent reduction in volatile solids)
_____ Option 2 (Anaerobic process, with bench-scale demonstration)
_____ Option 3 (Aerobic process, with bench-scale demonstration)
_____ Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
_____ Option 5 (Aerobic processes plus raised temperature)
_____ Option 6 (Raise pH to 12 and retain at 11.5)
_____ Option 7 (75 percent solids with no unstabilized solids)
_____ Option 8 (90 percent solids with unstabilized solids)
_____ Option 9 (Injection below land surface)
_____ Option 10 (Incorporation into soil within 6 hours)
_____ Option 11 (Covering active sewage sludge unit daily)
__✓__ None or unknown

d. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge:

NA

6. **Sewage Sludge Sent to Other Facilities.** Does the sewage sludge from your facility meet the Table 1 ceiling concentrations, the Table 3 pollutant concentrations, Class A pathogen requirements, and one of the vector attraction options 1-8?
_____ Yes __✓__ No

**If yes, go to question 8 (Certification).**

**If no, is sewage sludge from your facility provided to another facility for treatment, distribution, use, or disposal?**
_____ Yes __✓__ No

**If no, go to question 7 (Use and Disposal Sites).**

**If yes, provide the following information for the facility receiving the sewage sludge:**

a. Facility name: NA

b. Mailing address: NA

c. Contact person: NA

Title: NA

Telephone number: NA

d. Which activities does the receiving facility provide? (Check all that apply)

_____ Treatment or blending
_____ Land application
_____ Incineration
_____ Sale or give-away in bag or other container
_____ Surface disposal
_____ Other (describe):

NA

| FACILITY NAME AND PERMIT NUMBER: | Form Approved 1/14/99<br>OMB Number 2040-0086 |
|---|---|
| AL0064955 | |

7. **Use and Disposal Sites.** Provide the following information for each site on which sewage sludge from this facility is used or disposed:

a. Site name or number: NA

b. Contact person: NA

Title: NA

Telephone: NA

c. Site location (Complete 1 or 2)

1. Street or Route #: NA

County: NA

City or Town: NA State: NA Zip: NA

2. Latitude: NA Longitude: NA

d. Site type (Check all that apply)

____ Agricultural ____ Lawn or home garden ____ Forest
____ Surface disposal ____ Public Contact ____ Incineration
____ Reclamation ____ Municipal Solid Waste Landfill ____ Other (describe): NA

8. **Certification.** Sign the certification statement below. (Refer to instructions to determine who is an officer for purposes of this certification.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the 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: John Todd

Signature:

Telephone number: 334-887-5746

Date signed:

**SEND COMPLETED FORMS TO:**

# PART 2: PERMIT APPLICATION INFORMATION

**Complete this part if you have an effective NPDES permit or have been directed by the permitting authority to submit a full permit application at this time. In other words, complete this part if your facility has, or is applying for, an NPDES permit.**

**For purposes of this form, the term "you" refers to the applicant. "This facility" and "your facility" refer to the facility for which application information is submitted.**

## APPLICATION OVERVIEW — SEWAGE SLUDGE USE OR DISPOSAL INFORMATION

**Part 2 is divided into five sections (A-E). Section A pertains to all applicants. The applicability of Sections B, C, D, and E depends on your facility's sewage sludge use or disposal practices. The information provided on this page indicates which sections of Part 2 to fill out.**

1. **SECTION A: GENERAL INFORMATION.**

   Section A must be completed by all applicants

2. **SECTION B: GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE.**

   Section B must be completed by applicants who either:

   1) Generate sewage sludge, or

   2) Derive a material from sewage sludge.

3. **SECTION C: LAND APPLICATION OF BULK SEWAGE SLUDGE.**

   Section C must be completed by applicants who either:

   1) Apply sewage to the land, or

   2) Generate sewage sludge which is applied to the land by others.

   NOTE: Applicants who meet either or both of the two above criteria are exempted from this requirement if <u>all</u> sewage sludge from their facility falls into one of the following three categories:

   1) The sewage sludge from this facility meets the ceiling and pollutant concentrations, Class A pathogen reduction requirements, and one of vector attraction reduction options 1-8, as identified in the instructions, or
   2) The sewage sludge from this facility is placed in a bag or other container for sale or give-away for application to the land, or
   3) The sewage sludge from this facility is sent to another facility for treatment or blending.

4. **SECTION D: SURFACE DISPOSAL**

   Section D must be completed by applicants who own or operate a surface disposal site.

5. **SECTION E: INCINERATION**

   Section E must be completed by applicants who own or operate a sewage sludge incinerator.

## A. GENERAL INFORMATION

**All applicants must complete this section.**

**A.1. Facility Information.**

a. Facility name: Conway Acres Trailer Park

b. Mailing Address: 2038 Lee County Road 137
Auburn, Al 36832

c. Contact person: John Todd

Title: Owner

Telephone number: 334-887-5746

d. Facility Address (not P.O. Box): 2038 Lee County Road 137
Auburn, Al 36832

e. Is this facility a Class I sludge management facility? _____ Yes _____ No

f. Facility design flow rate: 0.04 mgd

g. Total population served: 300.00

h. Indicate the type of facility:

_____ Publicly owned treatment works (POTW)
✓ Privately owned treatment works
_____ Federally owned treatment works
_____ Blending or treatment operation
_____ Surface disposal site
_____ Sewage sludge incinerator
_____ Other (describe)

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

a. Applicant name: Conway Acres Trailer Park

b. Mailing Address: 2038 Lee County Road 137
Auburn, Al 36832

c. Contact person: John Todd

Title: Owner

Telephone number: (334) 887-5746

d. Is the applicant the owner or operator (or both) of this facility?

✓ owner _____ operator

e. Should correspondence regarding this permit should be directed to the facility or the applicant.

_____ facility ✓ applicant

**A.3. Permit Information.**

a. Facility's NPDES permit number (if applicable): AL0064955

b. List, on this form or an attachment, all other Federal, State, and local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices:

| Permit Number | Type of Permit |
|---|---|
| NA | NA |
| | |
| | |

**A.4. Indian Country.** Does any generation, treatment, storage, application to land, or disposal of sewage sludge from this facility occur in Indian Country?

_____Yes ✓ No If yes, describe: NA

**A.5. Topographic Map.** Provide a topographic map or maps (or other appropriate map(s) if a topographic map is unavailable) that show the following information. Map(s) should include the area one mile beyond all property boundaries of the facility:

a. Location of all sewage sludge management facilities, including locations where sewage sludge is stored, treated, or disposed.

b. Location of all wells, springs, and other surface water bodies, listed in public records or otherwise known to the applicant within 1/4 mile of the facility property boundaries.

**A.6. Line Drawing.** Provide a line drawing and/or a narrative description that identifies all sewage sludge processes that will be employed during the term of the permit, including all processes used for collecting, dewatering, storing, or treating sewage sludge, the destination(s) of all liquids and solids leaving each unit, and all methods used for pathogen reduction and vector attraction reduction.

**A.7. Contractor Information.**

Are any operational or maintenance aspects of this facility related to sewage sludge generation, treatment, use or disposal the responsibility of a contractor? ✓ Yes _____No

If yes, provide the following for each contractor (attach additional pages if necessary):

a. Name: Stephen F. McDonald

b. Mailing Address: 189 Menowa Drive Dadeville Al. 36853

c. Telephone Number: (334) 740-9485

d. Responsibilities of contractor: Operations & Maintenance of the wastewater treatment system and the effluent disposal field.

**FACILITY NAME AND PERMIT NUMBER:** AL0064955

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

**A.8. Pollution Concentrations:** Using the table below or a separate attachment, provide sewage sludge monitoring data for the pollutants for which limits in sewage sludge have been established in 40 CFR Part 503 for this facility's expected use or disposal practices. All data must be based on three or more samples taken at least one month apart and must be no more than four and one-half years old.

| POLLUTANT | CONCENTRATION (mg/kg dry weight) | ANALYTICAL METHOD | DETECTION LEVEL FOR ANALYSIS |
|---|---|---|---|
| ARSENIC | 0.00 | NA | NA |
| CADMIUM | 0.00 | NA | NA |
| CHROMIUM | 0.00 | NA | NA |
| COPPER | 0.00 | NA | NA |
| LEAD | 0.00 | NA | NA |
| MERCURY | 0.00 | NA | NA |
| MOLYBDENUM | 0.00 | NA | NA |
| NICKEL | 0.00 | NA | NA |
| SELENIUM | 0.00 | NA | NA |
| ZINC | 0.00 | NA | NA |

**A.9. Certification.** Read and submit the following certification statement with this application. Refer to the instructions to determine who is an officer for purposes of this certification. Indicate which parts of Form 2S you have completed and are submitting:

✓ Part 1 Limited Background Information packet

Part 2 Permit Application Information packet:

✓ Section A (General Information)

____ Section B (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge)

____ Section C (Land Application of Bulk Sewage Sludge)

____ Section D (Surface Disposal)

____ Section E (Incineration)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the 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: John Todd / Owner

Signature:  Date signed: 2-18-19

Telephone number: (334) 877-5746

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

**SEND COMPLETED FORMS TO:**

**Torbert, Shanda R**

**From:** Steve Kelly <kellyengineering@charter.net>
**Sent:** Tuesday, September 24, 2019 6:15 PM
**To:** Torbert, Shanda R
**Cc:** McDonald Wastewater Services LLC
**Subject:** MW Locations

Shanda,

The GPS coordinates of the groundwater monitoring wells at Conway Acres Trailer Park Sprayfield are as follows:

MW-1: 32.579405° Latitude, -85.535215° Longitude.

MW-2: 32.579846° Latitude, -85.534270° Longitude.

MW-3: 32.580293° Latitude, -85.533152° Longitude.

MW-4 (Upgradient): 32.578972° Latitude, -85.532092° Longitude.

Please let me know if you have any further questions.

Thanks,
Steve

Kelly Engineering, LLC
334-398-1776

## Torbert, Shanda R

**From:** Steve Kelly <kellyengineering@charter.net>
**Sent:** Tuesday, February 25, 2020 5:58 PM
**To:** Torbert, Shanda R
**Cc:** McDonald Wastewater Services LLC
**Subject:** Conway Acres Trailer Park Sprayfield, NPDES Permit No. AL0064955

Shanda,

As we discussed today, most stormwater runoff from the Conway Acres Trailer Park Sprayfield flows northwest and is combined with groundwater seeps on the slope between the sprayfield and the tree line. Most of this stormwater then combines with groundwater outcrops just inside the wood line (Outfall 1, Outfall 2 and Outfall 3 on Figure 1) and flows to the UT of Choctafaula Creek. See Figure 1, Outfall Site Drainage Map submitted with Form 2F.

We plan to only sample Outfall 1 as the representative outfall since it is the most prominent. The coordinates of these outfalls are located on page 1 of Form 2F.

Please call if you need further clarification of these discharges.

Sincerely,
Steve

Kelly Engineering, LLC
334-398-1776

## Torbert, Shanda R

**From:** smac8219@gmail.com
**Sent:** Wednesday, April 1, 2020 4:49 PM
**To:** Torbert, Shanda R
**Subject:** RE: Conway Acres

Yes there is a gate valve that prevents treated effluent flow from entering the creek. As a precautionary measure we will cement the 6 inch discharge line that currently enters the creek before the new permit is issued. I will be happy to send before and after photos to the department. Please advise if this is satisfactory. Thanks Steve

Sent from Mail for Windows 10

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**From:** Torbert, Shanda R
**Sent:** Wednesday, April 1, 2020 8:22 AM
**To:** STEVE MCDONALD
**Cc:** Steve Kelly
**Subject:** Conway Acres

Dear Mr. McDonald:

Is there a permanent physical restriction that prevents discharges from Outfall 0011? Thank you.

Sincerely,
Shanda Torbert

Shanda Torbert
Municipal Section
Water Division
Alabama Department of Environmental Management
Post Office Box 301463, Montgomery, AL 36130-1463
Phone - (334) 271-7800
Fax - (334) 271-7800
adem.alabama.gov

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