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KAY IVEY
GOVERNOR

OCT 02 2025

MR. ISAAC HOWARD, COMPLEX MANAGER
TYSON FARMS, INC.
PO BOX 547
SNEAD, AL 35952

RE: REVISED DRAFT PERMIT
NPDES PERMIT NUMBER AL0001449

Dear Mr. Howard:

Transmitted herein is a revised draft of the referenced permit.

We would appreciate your comments on the permit within **30 days** of the date of this letter. Please direct any comments of a technical or administrative nature to the undersigned.

By copy of this letter and the draft permit, we are also requesting comments within the same time frame from EPA.

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

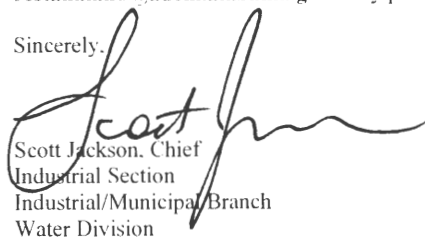
1. The user has logged in to E2 since October 1, 2019; and
2. The E2 user account is set up using a unique email address.

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

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

If you have questions regarding this permit or monitoring requirements, please contact Rachel Lounsberry by e-mail at restanaland@adem.alabama.gov or by phone at (334) 394-4366.

Sincerely,


Scott Jackson, Chief
Industrial Section
Industrial/Municipal Branch
Water Division

Enclosure: Draft Permit

pc via website: Montgomery Field Office
EPA Region IV
U.S. Fish & Wildlife Service
AL Historical Commission
Advisory Council on Historic Preservation
Department of Conservation and Natural Resources



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

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

Coastal Office
615 South Broad Street
Mobile, AL 36605
(251) 450-3400
(251) 479-2593 (FAX)



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PERMITTEE: TYSON FARMS INC

FACILITY LOCATION: BLOUNTSVILLE PROCESSING
67240 MAIN ST
BLOUNTSVILLE, ALABAMA 35031
BLOUNT COUNTY

PERMIT NUMBER: AL0001449

RECEIVING WATERS: 001 – GRAVES CREEK
002 – GRAVES CREEK
003 – GRAVES CREEK
004 – UNNAMED TRIBUTARY TO GRAVES CREEK

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

ISSUANCE DATE:

EFFECTIVE DATE:

EXPIRATION DATE:

DRAFT

Alabama Department of Environmental Management

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PART I: DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS**A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS****DSN0011: Treated process wastewater and clean-up water, sanitary wastewater, storm water, and treated poultry process wastewater 3/**

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency ²	Sample Type ¹	Seasonal
Oxygen, Dissolved (DO) (00300) Effluent Gross Value	*****	*****	*****	6.0 Minimum Daily	*****	*****	mg/l	Weekly	Grab	All Months
BOD, 5-Day (20 Deg. C) (00310) Effluent Gross Value	106.08 Monthly Average	159.12 Maximum Daily	lbs/day	*****	10.6 Monthly Average	15.90 Maximum Daily	mg/l	Weekly	Composite	Jan, Feb, Mar, Apr, Dec
BOD, 5-Day (20 Deg. C) (00310) Effluent Gross Value	48.03 Monthly Average	72.05 Maximum Daily	lbs/day	*****	4.80 Monthly Average	7.20 Maximum Daily	mg/l	Weekly	Composite	May, Jun, Jul, Aug, Sep, Oct, Nov
pH (00400) Effluent Gross Value	*****	*****	*****	6.0 Minimum Daily	*****	8.5 Maximum Daily	S.U.	Weekly	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	20 Monthly Average	30 Maximum Daily	mg/l	Weekly	Composite	All Months
Oil and Grease, Hexane Extr Method (00552) Effluent Gross Value	*****	*****	*****	*****	8 Monthly Average	14 Maximum Daily	mg/l	Weekly	Grab	All Months
Nitrogen, Total (As N) (00600) Effluent Gross Value	*****	*****	*****	*****	103 Monthly Average	147 Maximum Daily	mg/l	Weekly	Grab	All Months
Nitrogen, Ammonia Total (As N) (00610) Effluent Gross Value	10.00 Monthly Average	15.01 Maximum Daily	lbs/day	*****	1.0 Monthly Average	1.5 Maximum Daily	mg/l	Weekly	Composite	All Months
Nitrogen, Kjeldahl Total (As N) (00625) Effluent Gross Value	*****	*****	*****	*****	2.0 Monthly Average	3.0 Maximum Daily	mg/l	Weekly	Composite	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

- 1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.
- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

DSN0011 (Continued): Treated process wastewater and clean-up water, sanitary wastewater, storm water, and treated poultry process wastewater 3/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency ²	Sample Type ¹	Seasonal
Nitrite Plus Nitrate Total 1 Det. (As N) (00630) Effluent Gross Value	*****	(Report) Maximum Daily	lbs/day	*****	*****	*****	*****	Weekly	Grab	All Months
Phosphorus, Total (As P) (00665) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	lbs/day	*****	(Report) Monthly Average	(Report) Maximum Daily	mg/l	Weekly	Composite	Jan, Feb, Nov, Dec
Phosphorus, Total (As P) (00665) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	lbs/day	*****	0.25 Monthly Average	(Report) Maximum Daily	mg/l	Weekly	Composite	Mar, Apr, May, Jun, Jul, Aug, Sep, Oct
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Daily	Totalizer	All Months
Chlorine, Total Residual 4/ (50060) Effluent Gross Value	*****	*****	*****	*****	0.011 Monthly Average	0.019 Maximum Daily	mg/l	Monthly	Grab	All Months
E. Coli (51040) Effluent Gross Value	*****	*****	*****	*****	548 Monthly Average	2507 Maximum Daily	col/100mL	Weekly	Grab	Jan, Feb, Mar, Apr, Nov, Dec
E. Coli (51040) Effluent Gross Value	*****	*****	*****	*****	126 Monthly Average	298 Maximum Daily	col/100mL	Weekly	Grab	May, Jun, Jul, Aug, Sep, Oct
Coliform, Fecal General (74055) Effluent Gross Value	*****	*****	*****	*****	*****	400 Maximum Daily	col/100mL	Weekly	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

- 1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.
- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ A measurement of Total Residual Chlorine below 0.05 mg/L will be considered in compliance with the permit limitations above and should be reported as NODI=B or *B on the discharge monitoring reports. The facility shall report the code *9 (monitoring is conditional/ not required this monitoring permit) on the DMR when there is no discharge of chlorine.

DSN001Q: Treated process wastewater and clean-up water, sanitary wastewater, storm water, and treated poultry process wastewater 3/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency ²	Sample Type ¹	Seasonal
Toxicity, Ceriodaphnia Chronic (61426) 4/ Effluent Gross Value	*****	0 Maximum Daily	pass=0; fail=1	*****	*****	*****	*****	Quarterly	Composite	All Months
Toxicity, Pimephales Chronic (61428) 4/ Effluent Gross Value	*****	0 Maximum Daily	pass=0; fail=1	*****	*****	*****	*****	Quarterly	Composite	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

- 1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.
- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV. D for Effluent Toxicity Limitations and Biomonitoring Requirements.

DSN002S-DSN004S: Storm water run-off associated with poultry processing operations 3/ 4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency ²	Sample Type ¹	Seasonal
BOD, 5-Day (20 Deg. C) (00310) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nitrogen, Kjeldahl Total (As N) (00625) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nitrite Plus Nitrate Total 1 Det. (As N) (00630) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Phosphorus, Total (As P) (00665) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months
E. Coli (51040) 5/ Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	col/100mL	Semi-Annually	Grab	All Months
Chemical Oxygen Demand (COD) (81017) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

- 1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.
- 2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.
- 3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.
- 4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.
- 5/ See Part IV.C for Best Management Practices (BMP) for Poultry Processing Plants.

B. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge and shall be in accordance with the provisions of this permit.

2. Test Procedures

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

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

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

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

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

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

3. Recording of Results

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

- a. The facility name and location, point source number, date, time and exact place of sampling;
- b. The name(s) of person(s) who obtained the samples or measurements;
- c. The dates and times the analyses were performed;
- d. The name(s) of the person(s) who performed the analyses;
- e. The analytical techniques or methods used, including source of method and method number; and
- f. The results of all required analyses.

4. Records Retention and Production

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the above reports or the application for this permit, for a period of at least three years from the date of the sample measurement, report or application. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPCA and/or the FWPCA, is ongoing which involves any of the above records, the records shall be kept until the litigation is resolved. Upon the written request of the Director or his designee, the

permittee shall provide the Director with a copy of any record required to be retained by this paragraph. Copies of these records shall not be submitted unless requested.

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

5. Monitoring Equipment and Instrumentation

All equipment and instrumentation used to determine compliance with the requirements of this permit shall be installed, maintained, and calibrated in accordance with the manufacturer's instructions or, in the absence of manufacturer's instructions, in accordance with accepted practices. The permittee shall develop and maintain quality assurance procedures to ensure proper operation and maintenance of all equipment and instrumentation. The quality assurance procedures shall include the proper use, maintenance, and installation, when appropriate, of monitoring equipment at the plant site.

C. DISCHARGE REPORTING REQUIREMENTS

1. Reporting of Monitoring Requirements

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

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

QUARTERLY MONITORING shall be conducted at least once during each calendar quarter. Calendar quarters are the periods of January through March, April through June, July through September, and October through December. The permittee shall conduct the quarterly monitoring during the first complete calendar quarter following the effective date of this permit and is then required to monitor once during each quarter thereafter. Quarterly monitoring may be done anytime during the quarter, unless restricted elsewhere in this permit, but it should be submitted with the last DMR due for the quarter, i.e., (March, June, September and December DMR's).

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

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

- b. The permittee shall submit discharge monitoring reports (DMRs) on the forms provided by the Department and in accordance with the following schedule:

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

REPORTS OF QUARTERLY TESTING shall be submitted on a **quarterly** basis. The first report is due on the **28th day of [Month, Year]**. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF SEMIANNUAL TESTING shall be submitted on a semiannual basis. The reports are due on the 28th day of JANUARY and the 28th day of JULY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF ANNUAL TESTING shall be submitted on an annual basis. The first report is due on the 28th day of JANUARY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

- c. Except as allowed by Provision I.C.1.c.(1) or (2), the permittee shall submit all Discharge Monitoring Reports (DMRs) required by Provision I.C.1.b electronically.

- (1) If the permittee is unable to complete the electronic submittal of DMR data due to technical problems originating with the Department's electronic system (this could include entry/submittal issues with an entire set of DMRs or individual parameters), the permittee is not relieved of their obligation to submit DMR data to the Department by the date specified in Provision I.C.1.b, unless otherwise directed by the Department.

If the Department's electronic system is down on the 28th day of the month in which the DMR is due or is down for an extended period of time, as determined by the Department, when a DMR is required to be submitted, the permittee may submit the data in an alternate manner and format acceptable to the Department. Preapproved alternate acceptable methods include faxing, e-mailing, mailing, or hand-delivery of data such that they are received by the required reporting date. Within 5 calendar days of the Department's electronic system resuming operation, the permittee shall enter the data into the Department's electronic system, unless an alternate timeframe is approved by the Department. A comment should be included on the electronic DMR submittal verifying the original submittal date (date of the fax, copy of the dated e-mail, or hand-delivery stamped date), if applicable.

- (2) The permittee may submit a request to the Department for a temporary electronic reporting waiver for DMR submittals. The waiver request should include the permit number; permittee name; facility/site name; facility address; name, address, and contact information for the responsible official or duly authorized representative; a detailed statement regarding the basis for requesting such a waiver; and the duration for which the waiver is requested. Approved electronic reporting waivers are not transferrable.

Permittees with an approved electronic reporting waiver for DMRs may submit hard copy DMRs for the period that the approved electronic reporting waiver request is effective. The permittee shall submit the Department-approved DMR forms to the address listed in Provision I.C.1.e.

- (3) If a permittee is allowed to submit a hard copy DMR, the DMR must be legible and bear an original signature. Photo and electronic copies of the signature are not acceptable and shall not satisfy the reporting requirements of this permit.
 - (4) If the permittee, using approved analytical methods as specified in Provision I.B.2, monitors any discharge from a point source for a limited substance identified in Provision I.A. of this permit more frequently than required by this permit, the results of such monitoring shall be included in the calculation and reporting of values on the DMR and the increased frequency shall be indicated on the DMR.
 - (5) In the event no discharge from a point source identified in Provision I.A. of this permit and described more fully in the permittee's application occurs during a monitoring period, the permittee shall report "No Discharge" for such period on the appropriate DMR.
- d. All reports and forms required to be submitted by this permit, the AWPCA and the Department's Rules, shall be electronically signed (or, if allowed by the Department, traditionally signed) by a "responsible official" of the permittee as defined in ADEM Administrative Code Rule 335-6-6-.09 or a "duly authorized representative" of such official as defined in ADEM Administrative Code Rule 335-6-6-.09 and shall bear the following certification:

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

- e. Discharge Monitoring Reports required by this permit, the AWPCA, and the Department's Rules that are being submitted in hard copy shall be addressed to:

**Alabama Department of Environmental Management
Water Division
Office of Water Services
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
Water Division
Office of Water Services
1400 Coliseum Boulevard
Montgomery, Alabama 36110-2400**

- f. All other correspondence and reports required to be submitted by this permit, the AWPCA, and the Department's Rules shall be addressed to:

**Alabama Department of Environmental Management
Water Division
Post Office Box 301463
Montgomery, Alabama 36130-1463**

Certified and Registered Mail shall be addressed to:

**Alabama Department of Environmental Management
Water Division
1400 Coliseum Boulevard
Montgomery, Alabama 36110-2400**

- g. If this permit is a re-issuance, then the permittee shall continue to submit DMRs in accordance with the requirements of their previous permit until such time as DMRs are due as discussed in Part I.C.1.b above.

2. Noncompliance Notification

a. 24-Hour Noncompliance Reporting

The permittee shall report to the Director, within 24-hours of becoming aware of the noncompliance, any noncompliance which may endanger health or the environment. This shall include but is not limited to the following circumstances:

- (1) does not comply with any daily minimum or maximum discharge limitation for an effluent characteristic specified in Provision I. A. of this permit which is denoted by an "(X)";
- (2) threatens human health or welfare, fish or aquatic life, or water quality standards;
- (3) does not comply with an applicable toxic pollutant effluent standard or prohibition established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a);
- (4) contains a quantity of a hazardous substance which has been determined may be harmful to public health or welfare under Section 311(b)(4) of the FWPCA, 33 U.S.C. Section 1321(b)(4);
- (5) exceeds any discharge limitation for an effluent characteristic as a result of an unanticipated bypass or upset; and
- (6) is an unpermitted direct or indirect discharge of a pollutant to a water of the state (unpermitted discharges properly reported to the Department under any other requirement are not required to be reported under this provision).

The permittee shall orally report the occurrence and circumstances of such discharge to the Director within 24-hours after the permittee becomes aware of the occurrence of such discharge. In addition to the oral report, the permittee shall submit to the Director or Designee a written report as provided in Part I.C.2.c no later than five (5) days after becoming aware of the occurrence of such discharge.

- b. If for any reason, the permittee's discharge does not comply with any limitation of this permit, the permittee shall submit to the Director or Designee a written report as provided in Part I.C.2.c below, such report shall be submitted with the next Discharge Monitoring Report required to be submitted by Part I.C.1 of this permit after becoming aware of the occurrence of such noncompliance.
- c. Any written report required to be submitted to the Director or Designee by Part I.C.2 a. or b. shall be submitted using a Noncompliance Notification Form (ADEM Form 421) available on the Department's website (<http://adem.alabama.gov/DeptForms/Form421.pdf>) and include the following information:
- (1) A description of the discharge and cause of noncompliance;

- (2) The period of noncompliance, including exact dates and times or, if not corrected, the anticipated time the noncompliance is expected to continue; and
- (3) A description of the steps taken and/or being taken to reduce or eliminate the noncomplying discharge and to prevent its recurrence.

D. OTHER REPORTING AND NOTIFICATION REQUIREMENTS

1. Anticipated Noncompliance

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

2. Termination of Discharge

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

3. Updating Information

- a. The permittee shall inform the Director of any change in the permittee's mailing address, telephone number or in the permittee's designation of a facility contact or office having the authority and responsibility to prevent and abate violations of the AWPCA, the Department's Rules, and the terms and conditions of this permit, in writing, no later than ten (10) days after such change. Upon request of the Director or his designee, the permittee shall furnish the Director with an update of any information provided in the permit application.
- b. If the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information with a written explanation for the mistake and/or omission.

4. Duty to Provide Information

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

5. Cooling Water and Boiler Water Additives

- a. The permittee shall notify the Director in writing not later than thirty (30) days prior to instituting the use of any biocide corrosion inhibitor or chemical additive in a cooling or boiler system, not identified in the application for this permit, from which discharge is allowed by this permit. Notification is not required for additives that do not contain a heavy metal(s) as an active ingredient and that pass through a wastewater treatment system prior to discharge nor is notification required for additives that should not reasonably be expected to cause the cooling water or boiler water to exhibit toxicity as determined by analysis of manufacturer's data or testing by the permittee. Such notification shall include:
 - (1) name and general composition of biocide or chemical;
 - (2) 96-hour median tolerance limit data for organisms representative of the biota of the waterway into which the discharge will ultimately reach;
 - (3) quantities to be used;
 - (4) frequencies of use;
 - (5) proposed discharge concentrations; and
 - (6) EPA registration number, if applicable.
- b. The use of a biocide or additive containing tributyl tin, tributyl tin oxide, zinc, chromium or related compounds in cooling or boiler system(s), from which a discharge regulated by this permit occurs, is prohibited except as exempted below. The use of a biocide or additive containing zinc, chromium or related compounds may be used in special circumstances if (1) the permit contains limits for these substances, or (2) the applicant demonstrates during the application process that the use of zinc, chromium or related compounds as a biocide or additive will not pose a reasonable potential to violate the applicable State water quality standards for these substances. The use of any additive, not identified in this permit or in the

application for this permit or not exempted from notification under this permit is prohibited, prior to a determination by the Department that permit modification to control discharge of the additive is not required or prior to issuance of a permit modification controlling discharge of the additive.

6. Permit Issued Based on Estimated Characteristics

- a. If this permit was issued based on estimates of the characteristics of a process discharge reported on an EPA NPDES Application Form 2D (EPA Form 3510-2D), the permittee shall complete and submit an EPA NPDES Application Form 2C (EPA Form 3510-2C) no later than two years after the date that discharge begins. Sampling required for completion of the Form 2C shall occur when a discharge(s) from the process(s) causing the new or increased discharge is occurring. If this permit was issued based on estimates concerning the composition of a stormwater discharge(s), the permittee shall perform the sampling required by EPA NPDES Application Form 2F (EPA Form 3510-2F) no later than one year after the industrial activity generating the stormwater discharge has been fully initiated.
- b. This permit shall be reopened if required to address any new information resulting from the completion and submittal of the Form 2C and or 2F.

E. SCHEDULE OF COMPLIANCE

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

COMPLIANCE SHALL BE ATTAINED ON THE EFFECTIVE DATE OF THIS PERMIT

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

PART II: OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES

A. OPERATIONAL AND MANAGEMENT REQUIREMENTS

1. Facilities Operation and Maintenance

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

2. Best Management Practices

- a. Dilution water shall not be added to achieve compliance with discharge limitations except when the Director or his designee has granted prior written authorization for dilution to meet water quality requirements.
- b. The permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 C.F.R. Section 112 if required thereby.
- c. The permittee shall prepare, submit for approval and implement a Best Management Practices (BMP) Plan for containment of any or all process liquids or solids, in a manner such that these materials do not present a significant potential for discharge, if so required by the Director or his designee. When submitted and approved, the BMP Plan shall become a part of this permit and all requirements of the BMP Plan shall become requirements of this permit.

3. Spill Prevention, Control, and Management

The permittee shall provide spill prevention, control, and/or management sufficient to prevent any spills of pollutants from entering a water of the state or a publicly or privately owned treatment works. Any containment system used to implement this requirement shall be constructed of materials compatible with the substance(s) contained and which shall prevent the contamination of groundwater and such containment system shall be capable of retaining a volume equal to 110 percent of the capacity of the largest tank for which containment is provided.

B. OTHER RESPONSIBILITIES

1. Duty to Mitigate Adverse Impacts

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

2. Right of Entry and Inspection

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

- a. enter upon the permittee's premises where a regulated facility or activity or point source is located or conducted, or where records must be kept under the conditions of the permit;
- b. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- c. inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under the permit; and
- d. sample or monitor, for the purposes of assuring permit compliance or as otherwise authorized by the AWPCA, any substances or parameters at any location.

C. BYPASS AND UPSET

1. Bypass

- a. Any bypass is prohibited except as provided in b. and c. below:
- b. A bypass is not prohibited if:

- (1) It does not cause any discharge limitation specified in Provision I. A. of this permit to be exceeded;
 - (2) It enters the same receiving stream as the permitted outfall; and
 - (3) It is necessary for essential maintenance of a treatment or control facility or system to assure efficient operation of such facility or system.
- c. A bypass is not prohibited and need not meet the discharge limitations specified in Provision I. A. of this permit if:
- (1) It is unavoidable to prevent loss of life, personal injury, or severe property damage;
 - (2) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime (this condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance); and
 - (3) The permittee submits a written request for authorization to bypass to the Director at least ten (10) days prior to the anticipated bypass (if possible), the permittee is granted such authorization, and the permittee complies with any conditions imposed by the Director to minimize any adverse impact on human health or the environment resulting from the bypass.
- d. The permittee has the burden of establishing that each of the conditions of Provision II.C.1.b. or c. have been met to qualify for an exception to the general prohibition against bypassing contained in a. and an exemption, where applicable, from the discharge limitations specified in Provision I. A. of this permit.

2. Upset

- a. A discharge which results from an upset need not meet the discharge limitations specified in Provision I. A. of this permit if:
- (1) No later than 24-hours after becoming aware of the occurrence of the upset, the permittee orally reports the occurrence and circumstances of the upset to the Director or his designee; and
 - (2) No later than five (5) days after becoming aware of the occurrence of the upset, the permittee furnishes the Director with evidence, including properly signed, contemporaneous operating logs, or other relevant evidence, demonstrating that (i) an upset occurred; (ii) the permittee can identify the specific cause(s) of the upset; (iii) the permittee's facility was being properly operated at the time of the upset; and (iv) the permittee promptly took all reasonable steps to minimize any adverse impact on human health or the environment resulting from the upset.
- b. The permittee has the burden of establishing that each of the conditions of Provision II. C.2.a. of this permit have been met to qualify for an exemption from the discharge limitations specified in Provision I.A. of this permit.

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

1. Duty to Comply

- a. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the AWPCA and the FWPCA and is grounds for enforcement action, for permit termination, revocation and reissuance, suspension, modification; or denial of a permit renewal application.
- b. The necessity to halt or reduce production or other activities in order to maintain compliance with the conditions of the permit shall not be a defense for a permittee in an enforcement action.
- c. The discharge of a pollutant from a source not specifically identified in the permit application for this permit and not specifically included in the description of an outfall in this permit is not authorized and shall constitute noncompliance with this permit.
- d. The permittee shall take all reasonable steps, including cessation of production or other activities, to minimize or prevent any violation of this permit or to minimize or prevent any adverse impact of any permit violation.
- e. Nothing in this permit shall be construed to preclude and negate the permittee's responsibility or liability to apply for, obtain, or comply with other ADEM, Federal, State, or Local Government permits, certifications, licenses, or other approvals.

2. Removed Substances

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

3. Loss or Failure of Treatment Facilities

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

4. Compliance with Statutes and Rules

- a. This permit has been issued under ADEM Administrative Code, Chapter 335-6-6. All provisions of this chapter, that are applicable to this permit, are hereby made a part of this permit. A copy of this chapter may be obtained for a small charge from the Office of General Counsel, Alabama Department of Environmental Management, 1400 Coliseum Blvd., Montgomery, AL 36130.
- b. This permit does not authorize the noncompliance with or violation of any Laws of the State of Alabama or the United States of America or any regulations or rules implementing such laws. FWPCA, 33 U.S.C. Section 1319, and Code of Alabama 1975, Section 22-22-14.

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

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

- a. If the permittee intends to continue to discharge beyond the expiration date of this permit, the permittee shall file a complete permit application for reissuance of this permit at least 180 days prior to its expiration. If the permittee does not intend to continue discharge beyond the expiration of this permit, the permittee shall submit written notification of this intent which shall be signed by an individual meeting the signatory requirements for a permit application as set forth in ADEM Administrative Code Rule 335-6-6-.09.
- b. Failure of the permittee to apply for reissuance at least 180 days prior to permit expiration will void the automatic continuation of the expiring permit provided by ADEM Administrative Code Rule 335-6-6-.06 and should the permit not be reissued for any reason any discharge after expiration of this permit will be an unpermitted discharge.

2. Change in Discharge

- a. The permittee shall apply for a permit modification at least 180 days in advance of any facility expansion, production increase, process change, or other action that could result in the discharge of additional pollutants or increase the quantity of a discharged pollutant such that existing permit limitations would be exceeded or that could result in an additional discharge point. This requirement applies to pollutants that are or that are not subject to discharge limitations in this permit. No new or increased discharge may begin until the Director has authorized it by issuance of a permit modification or a reissued permit.
- b. The permittee shall notify the Director as soon as it is known or there is reason to believe:
 - (1) That any activity has occurred or will occur which would result in the discharge on a routine or frequent basis, of any toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following notification levels:
 - (i) one hundred micrograms per liter;
 - (ii) two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter for antimony;
 - (iii) five times the maximum concentration value reported for that pollutant in the permit application; or
 - (2) That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:

- (i) five hundred micrograms per liter;
- (ii) one milligram per liter for antimony;
- (iii) ten times the maximum concentration value reported for that pollutant in the permit application.

3. Transfer of Permit

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

4. Permit Modification and Revocation

- a. This permit may be modified or revoked and reissued, in whole or in part, during its term for cause, including but not limited to, the following:
 - (1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to revoke and reissue this permit instead of terminating the permit;
 - (2) If a request to transfer this permit has been received, the Director may decide to revoke and reissue or to modify the permit; or
 - (3) If modification or revocation and reissuance is requested by the permittee and cause exists, the Director may grant the request.
- b. This permit may be modified during its term for cause, including but not limited to, the following:
 - (1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to modify this permit instead of terminating this permit;
 - (2) There are material and substantial alterations or additions to the facility or activity generating wastewater which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit;
 - (3) The Director has received new information that was not available at the time of permit issuance and that would have justified the application of different permit conditions at the time of issuance;
 - (4) A new or revised requirement(s) of any applicable standard or limitation is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA;
 - (5) Errors in calculation of discharge limitations or typographical or clerical errors were made;
 - (6) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, when the standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the permit was issued;
 - (7) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, permits may be modified to change compliance schedules;
 - (8) To agree with a granted variance under 301(c), 301(g), 301(h), 301(k), or 316(a) of the FWPCA or for fundamentally different factors;
 - (9) To incorporate an applicable 307(a) FWPCA toxic effluent standard or prohibition;
 - (10) When required by the reopener conditions in this permit;
 - (11) When required under 40 CFR 403.8(e) (compliance schedule for development of pretreatment program);

- (12) Upon failure of the state to notify, as required by Section 402(b)(3) of the FWPCA, another state whose waters may be affected by a discharge permitted by this permit;
- (13) When required to correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions; or
- (14) When requested by the permittee and the Director determines that the modification has cause and will not result in a violation of federal or state law, regulations or rules.

5. Permit Termination

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

- a. Violation of any term or condition of this permit;
- b. The permittee's misrepresentation or failure to disclose fully all relevant facts in the permit application or during the permit issuance process or the permittee's misrepresentation of any relevant facts at any time;
- c. Materially false or inaccurate statements or information in the permit application or the permit;
- d. A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge;
- e. The permittee's discharge threatens human life or welfare or the maintenance of water quality standards;
- f. Permanent closure of the facility generating the wastewater permitted to be discharged by this permit or permanent cessation of wastewater discharge;
- g. New or revised requirements of any applicable standard or limitation that is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA that the Director determines cannot be complied with by the permittee; or
- h. Any other cause allowed by the ADEM Administrative Code, Chapter 335-6-6.

6. Permit Suspension

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

7. Request for Permit Action Does Not Stay Any Permit Requirement

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

F. COMPLIANCE WITH TOXIC POLLUTANT STANDARD OR PROHIBITION

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

G. DISCHARGE OF WASTEWATER GENERATED BY OTHERS

The discharge of wastewater, generated by any process, facility, or by any other means not under the operational control of the permittee or not identified in the application for this permit or not identified specifically in the description of an outfall in this permit is not authorized by this permit.

PART III: OTHER PERMIT CONDITIONS

A. CIVIL AND CRIMINAL LIABILITY

1. Tampering

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

2. False Statements

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

3. Permit Enforcement

- a. Any NPDES permit issued or reissued by the Department is a permit for the purpose of the AWPCA and the FWPCA and as such any terms, conditions, or limitations of the permit are enforceable under state and federal law.
- b. Any person required to have a NPDES permit pursuant to ADEM Administrative Code Chapter 335-6-6 and who discharges pollutants without said permit, who violates the conditions of said permit, who discharges pollutants in a manner not authorized by the permit, or who violates applicable orders of the Department or any applicable rule or standard of the Department, is subject to any one or combination of the following enforcement actions under applicable state statutes.
 - (1) An administrative order requiring abatement, compliance, mitigation, cessation, clean-up, and/or penalties;
 - (2) An action for damages;
 - (3) An action for injunctive relief; or
 - (4) An action for penalties.
- c. If the permittee is not in compliance with the conditions of an expiring or expired permit the Director may choose to do any or all of the following provided the permittee has made a timely and complete application for reissuance of the permit:
 - (1) initiate enforcement action based upon the permit which has been continued;
 - (2) issue a notice of intent to deny the permit reissuance. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;
 - (3) reissue the new permit with appropriate conditions; or
 - (4) take other actions authorized by these rules and AWPCA.

4. Relief from Liability

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

B. OIL AND HAZARDOUS SUBSTANCE LIABILITY

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

C. PROPERTY AND OTHER RIGHTS

This permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to persons or property or invasion of other private rights, trespass, or any infringement of federal, state, or local laws or regulations, nor does it authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any waters of the state or of the United States.

D. AVAILABILITY OF REPORTS

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

E. EXPIRATION OF PERMITS FOR NEW OR INCREASED DISCHARGES

1. If this permit was issued for a new discharger or new source, this permit shall expire eighteen months after the issuance date if construction of the facility has not begun during the eighteen-month period.
2. If this permit was issued or modified to allow the discharge of increased quantities of pollutants to accommodate the modification of an existing facility and if construction of this modification has not begun during the eighteen month period after issuance of this permit or permit modification, this permit shall be modified to reduce the quantities of pollutants allowed to be discharged to those levels that would have been allowed if the modification of the facility had not been planned.
3. Construction has begun when the owner or operator has:
 - a. begun, or caused to begin as part of a continuous on-site construction program:
 - (1) any placement, assembly, or installation of facilities or equipment; or
 - (2) significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or
 - b. entered into a binding contractual obligation for the purpose of placement, assembly, or installation of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under the paragraph. The entering into a lease with the State of Alabama for exploration and production of hydrocarbons shall also be considered beginning construction.

F. COMPLIANCE WITH WATER QUALITY STANDARDS

1. On the basis of the permittee's application, plans, or other available information, the Department has determined that compliance with the terms and conditions of this permit should assure compliance with the applicable water quality standards.
2. Compliance with permit terms and conditions notwithstanding, if the permittee's discharge(s) from point sources identified in Provision I. A. of this permit cause or contribute to a condition in contravention of state water quality standards, the Department may require abatement action to be taken by the permittee in emergency situations or modify the permit pursuant to the Department's Rules, or both.
3. If the Department determines, on the basis of a notice provided pursuant to this permit or any investigation, inspection or sampling, that a modification of this permit is necessary to assure maintenance of water quality standards or compliance with other provisions of the AWPCA or FWPCA, the Department may require such modification and, in cases of emergency, the Director may prohibit the discharge until the permit has been modified.

G. GROUNDWATER

Unless specifically authorized under this permit, this permit does not authorize the discharge of pollutants to groundwater. Should a threat of groundwater contamination occur, the Director may require groundwater monitoring to properly assess the degree of the problem and the Director may require that the Permittee undertake measures to abate any such discharge and/or contamination.

H. DEFINITIONS

1. Average monthly discharge limitation - means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).
2. Average weekly discharge limitation - means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).

3. Arithmetic Mean – means the summation of the individual values of any set of values divided by the number of individual values.
4. AWPCA - means the Alabama Water Pollution Control Act.
5. BOD – means the five-day measure of the pollutant parameter biochemical oxygen demand.
6. Bypass - means the intentional diversion of waste streams from any portion of a treatment facility.
7. CBOD – means the five-day measure of the pollutant parameter carbonaceous biochemical oxygen demand.
8. Daily discharge - means the discharge of a pollutant measured during any consecutive 24-hour period in accordance with the sample type and analytical methodology specified by the discharge permit.
9. Daily maximum - means the highest value of any individual sample result obtained during a day.
10. Daily minimum - means the lowest value of any individual sample result obtained during a day.
11. Day - means any consecutive 24-hour period.
12. Department - means the Alabama Department of Environmental Management.
13. Director - means the Director of the Department.
14. Discharge - means "[t]he addition, introduction, leaking, spilling or emitting of any sewage, industrial waste, pollutant or other wastes into waters of the state". Code of Alabama 1975, Section 22-22-1(b)(8).
15. Discharge Monitoring Report (DMR) - means the form approved by the Director to accomplish reporting requirements of an NPDES permit.
16. DO – means dissolved oxygen.
17. 8HC – means 8-hour composite sample, including any of the following:
 - a. The mixing of at least 5 equal volume samples collected at constant time intervals of not more than 2 hours over a period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.
 - b. A sample continuously collected at a constant rate over period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.
18. EPA - means the United States Environmental Protection Agency.
19. FC – means the pollutant parameter fecal coliform.
20. Flow – means the total volume of discharge in a 24-hour period.
21. FWPCA - means the Federal Water Pollution Control Act.
22. Geometric Mean – means the Nth root of the product of the individual values of any set of values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered one (1).
23. Grab Sample – means a single influent or effluent portion which is not a composite sample. The sample(s) shall be collected at the period(s) most representative of the discharge.
24. Indirect Discharger – means a nondomestic discharger who discharges pollutants to a publicly owned treatment works or a privately owned treatment facility operated by another person.
25. Industrial User – means those industries identified in the Standard Industrial Classification manual, Bureau of the Budget 1967, as amended and supplemented, under the category “Division D – Manufacturing” and such other classes of significant waste producers as, by regulation, the Director deems appropriate.
26. MGD – means million gallons per day.

27. Monthly Average – means, other than for fecal coliform bacteria, the arithmetic mean of the entire composite or grab samples taken for the daily discharges collected in one month period. The monthly average for fecal coliform bacteria is the geometric mean of daily discharge samples collected in a one month period. The monthly average for flow is the arithmetic mean of all flow measurements taken in a one month period.
28. New Discharger – means a person, owning or operating any building, structure, facility or installation:
 - a. from which there is or may be a discharge of pollutants;
 - b. that did not commence the discharge of pollutants prior to August 13, 1979, and which is not a new source; and
 - c. which has never received a final effective NPDES permit for dischargers at that site.
29. NH3-N – means the pollutant parameter ammonia, measured as nitrogen.
30. Permit application - means forms and additional information that is required by ADEM Administrative Code Rule 335-6-6-.08 and applicable permit fees.
31. Point source - means "any discernible, confined and discrete conveyance, including but not limited to any pipe, channel, ditch, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, or vessel or other floating craft, . . . from which pollutants are or may be discharged." Section 502(14) of the FWPCA, 33 U.S.C. Section 1362(14).
32. Pollutant - includes for purposes of this permit, but is not limited to, those pollutants specified in Code of Alabama 1975, Section 22-22-1(b)(3) and those effluent characteristics specified in Provision I. A. of this permit.
33. Privately Owned Treatment Works – means any devices or system which is used to treat wastes from any facility whose operator is not the operator of the treatment works, and which is not a "POTW".
34. Publicly Owned Treatment Works – means a wastewater collection and treatment facility owned by the State, municipality, regional entity composed of two or more municipalities, or another entity created by the State or local authority for the purpose of collecting and treating municipal wastewater.
35. Receiving Stream – means the "waters" receiving a "discharge" from a "point source".
36. Severe property damage - means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
37. Significant Source – means a source which discharges 0.025 MGD or more to a POTW or greater than five percent of the treatment work's capacity, or a source which is a primary industry as defined by the U.S. EPA or which discharges a priority or toxic pollutant.
38. Solvent – means any virgin, used or spent organic solvent(s) identified in the F-Listed wastes (F001 through F005) specified in 40 CFR 261.31 that is used for the purpose of solubilizing other materials.
39. TKN – means the pollutant parameter Total Kjeldahl Nitrogen.
40. TON – means the pollutant parameter Total Organic Nitrogen.
41. TRC – means Total Residual Chlorine.
42. TSS – means the pollutant parameter Total Suspended Solids.
43. 24HC – means 24-hour composite sample, including any of the following:
 - a. the mixing of at least 12 equal volume samples collected at constant time intervals of not more than 2 hours over a period of 24 hours;
 - b. a sample collected over a consecutive 24-hour period using an automatic sampler composite to one sample. As a minimum, samples shall be collected hourly and each shall be no more than one twenty-fourth (1/24) of the total sample volume collected; or
 - c. a sample collected over a consecutive 24-hour period using an automatic composite sampler composited proportional to flow.

44. Upset - means an exceptional incident in which there is an unintentional and temporary noncompliance with technology-based permit discharge limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
45. Waters - means "[a]ll waters of any river, stream, watercourse, pond, lake, coastal, ground or surface water, wholly or partially within the state, natural or artificial. This does not include waters which are entirely confined and retained completely upon the property of a single individual, partnership or corporation unless such waters are used in interstate commerce." Code of Alabama 1975, Section 22-22-1(b)(2). Waters "include all navigable waters" as defined in Section 502(7) of the FWPCA, 22 U.S.C. Section 1362(7), which are within the State of Alabama.
46. Week - means the period beginning at twelve midnight Saturday and ending at twelve midnight the following Saturday.
47. Weekly (7-day and calendar week) Average – is the arithmetic mean of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The calendar week is defined as beginning on Sunday and ending on Saturday. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for the calendar week shall be included in the data for the month that contains the Saturday.

I. SEVERABILITY

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

PART IV: ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS

A. BEST MANAGEMENT PRACTICES (BMP) PLAN REQUIREMENTS

1. BMP Plan

The permittee shall develop and implement a Best Management Practices (BMP) Plan which prevents, or minimizes the potential for, the release of pollutants from ancillary activities, including material storage areas; plant site runoff; in-plant transfer, process and material handling areas; loading and unloading operations, and sludge and waste disposal areas, to the waters of the State through plant site runoff; spillage or leaks; sludge or waste disposal; or drainage from raw material storage.

2. Plan Content

The permittee shall prepare and implement a best management practices (BMP) plan, which shall:

- a. Establish specific objectives for the control of pollutants:
 - (1) Each facility component or system shall be examined for its potential for causing a release of significant amounts of pollutants to waters of the State due to equipment failure, improper operation, natural phenomena such as rain or snowfall, etc.
 - (2) Where experience indicates a reasonable potential for equipment failure (e.g., a tank overflow or leakage), natural condition (e.g. precipitation), or circumstances to result in significant amounts of pollutants reaching surface waters, the plan should include a prediction of the direction, rate of flow, and total quantity of pollutants which could be discharged from the facility as a result of each condition or circumstance.
- b. Establish specific best management practices to meet the objectives identified under paragraph a. of this section, addressing each component or system capable of causing a release of significant amounts of pollutants to the waters of the State, and identifying specific preventative or remedial measures to be implemented;
- c. Establish a program to identify and repair leaking equipment items and damaged containment structures, which may contribute to contaminated stormwater runoff. This program must include regular visual inspections of equipment, containment structures and of the facility in general to ensure that the BMP is continually implemented and effective;
- d. Prevent the spillage or loss of fluids, oil, grease, gasoline, etc. from vehicle and equipment maintenance activities and thereby prevent the contamination of stormwater from these substances;
- e. Prevent or minimize stormwater contact with material stored on site;
- f. Designate by position or name the person or persons responsible for the day to day implementation of the BMP;
- g. Provide for routine inspections, on days during which the facility is manned, of any structures that function to prevent stormwater pollution or to remove pollutants from stormwater and of the facility in general. Routine inspections should be done at a frequency to ensure that the BMP is continually implemented and effective and in no case less frequent than once per year;;
- h. Provide for the use and disposal of any material used to absorb spilled fluids that could contaminate stormwater;
- i. Develop a solvent management plan, if solvents are used on site. The solvent management plan shall include as a minimum lists of the solvents on site; the disposal method of solvents used instead of dumping, such as reclamation, contract hauling; and the procedures for assuring that solvents do not routinely spill or leak into the stormwater;
- j. Provide for the disposal of all used oils, hydraulic fluids, firefighting foams, solvent degreasing material, etc. in accordance with good management practices and any applicable state or federal regulations;
- k. Include a diagram of the facility showing the locations where stormwater exits the facility, the locations of any structure or other mechanisms intended to prevent pollution of stormwater or to remove pollutants from stormwater, the locations of any collection and handling systems;
- l. Provide control sufficient to prevent or control pollution of stormwater by soil particles to the degree required to maintain compliance with the water quality standard for turbidity applicable to the waterbody(s) receiving discharge(s) under this permit;
- m. Provide spill prevention, control, and/or management sufficient to prevent or minimize contaminated stormwater runoff. Any containment system used to implement this requirement shall be constructed of materials compatible with the

substance(s) contained and shall prevent the contamination of groundwater. The containment system shall also be capable of retaining a volume equal to 110 percent of the capacity of the largest tank for which containment is provided;

- n. Provide and maintain curbing, diking or other means of isolating process areas to the extent necessary to allow segregation and collection for treatment of contaminated stormwater from process areas;
- o. Be reviewed by plant engineering staff and the plant manager; and
- p. Bear the signature of the plant manager.

3. Compliance Schedule

The permittee shall have reviewed (and revised if necessary) and fully implemented the BMP plan as soon as practicable but no later than six months after the effective date of this permit.

4. Department Review

- a. When requested by the Director or his designee, the permittee shall make the BMP available for Department review.
- b. The Director or his designee may notify the permittee at any time that the BMP is deficient and require correction of the deficiency.
- c. The permittee shall correct any BMP deficiency identified by the Director or his designee within 30 days of receipt of notification and shall certify to the Department that the correction has been made and implemented.

5. Administrative Procedures

- a. A copy of the BMP shall be maintained at the facility and shall be available for inspection by representatives of the Department.
- b. A log of the routine inspection required above shall be maintained at the facility and shall be available for inspection by representatives of the Department. The log shall contain records of all inspections performed for the last three years and each entry shall be signed by the person performing the inspection.
- c. The permittee shall provide training for any personnel required to implement the BMP and shall retain documentation of such training at the facility. This documentation shall be available for inspection by representatives of the Department. Training shall be performed prior to the date that implementation of the BMP is required.
- d. BMP Plan Modification. The permittee shall amend the BMP plan whenever there is a change in the facility or change in operation of the facility which materially increases the potential for the ancillary activities to result in a discharge of significant amounts of pollutants.
- e. BMP Plan Review. The permittee shall complete a review and evaluation of the BMP plan at least once every three years from the date of preparation of the BMP plan. Documentation of the BMP Plan review and evaluation shall be signed and dated by the Plant Manager.

B. STORMWATER FLOW MEASUREMENT AND SAMPLING REQUIREMENTS

1. Stormwater Flow Measurement

- a. All stormwater samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches.
- b. The total volume of stormwater discharged for the event must be monitored, including the date and duration (in hours) and rainfall (in inches) for storm event(s) sampled. The duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event must be a minimum of 72 hours. This information must be recorded as part of the sampling procedure and records retained according to Part I.B. of this permit.
- c. The volume may be measured using flow measuring devices, or estimated based on a modification of the Rational Method using total depth of rainfall, the size of the drainage area serving a stormwater outfall, and an estimate of the runoff coefficient of the drainage area. This information must be recorded as part of the sampling procedure and records retained according to Part I.B. of this permit.

2. Stormwater Sampling

- a. A grab sample, if required by this permit, shall be taken during the first thirty minutes of the discharge (or as soon thereafter as practicable); and a flow-weighted composite sample, if required by this permit, shall be taken for the entire event or for the first three hours of the event.
- b. All test procedures will be in accordance with part I.B. of this permit.

C. BEST MANAGEMENT PRACTICES (BMP) FOR POULTRY PROCESSING PLANTS

1. Applicability

The following best management practices (BMPs) have been developed as consensus BMPs for animal processing plants. Unless approved by the Department in writing, at a minimum, Permittees must utilize a BMP or combination of BMPs (whether operational, structural, Tier I, Tier II, or Tier III, or other BMP as described in Part IV.A.2.b) to achieve reductions in levels of E.coli in stormwater runoff. Each permittee shall decide which BMP or combination of BMPs is most appropriate for its facility. An iterative process has been established that allows permittees to implement BMPs and evaluate the performance of these BMPs in order to reduce levels of E.coli in stormwater, and document such implementation and evaluation of BMPs in the Annual Report. If E.coli is discharged at levels that could cause or contribute to water quality violations, as determined by the Department, then another round of BMPs must be implemented and addressed in the Annual Report. This permit condition in no way authorizes a discharger to violate water quality standards.

2. Operational BMPs

- a. Tier I BMPs
 - (1) Perform dry cleanup of live animal holding, staging, storage, etc., areas according to a schedule to be developed as appropriate for the particular facility, taking into account significant rain events and production schedules. Such schedule and a log demonstrating compliance with such schedule shall be maintained as part of the facility BMP plan.
 - (2) Park loaded live haul trailers under cover or in live holding sheds to minimize exposure to stormwater. If loaded live haul trailers cannot be parked under cover, the areas where these trailers are parked shall discharge to a wastewater treatment system.
 - (3) Perform dry cleanup of paved driveways, parking areas, etc., where live animal and animal byproducts transport vehicles are staged, stored, moved across, etc., according to a schedule to be developed as appropriate for the particular facility, taking into account significant rain events and production schedules. Such schedule and a log demonstrating compliance with such schedule shall be maintained as part of the facility's BMP Plan.
 - (4) Collect escaped animals on a daily basis.
 - (5) Properly maintain air pollution control systems to prevent excessive dust emissions from rendering equipment, byproducts handling systems, etc.
 - (6) Properly maintain exposed animal byproducts and feed-meal handling systems (screw conveyors, elevators, etc.) to ensure these systems are free of leaks, etc.
 - (7) Inspect stormwater collection and discharge systems (manholes, underground storm sewers, sediment ponds/traps, etc.) and remove accumulated silt, sediment, organic materials, etc. according to a schedule to be developed as appropriate for the particular facility, taking into account significant rain events and production schedules. Such schedule and a log demonstrating compliance with such schedule shall be maintained as part of the facility BMP Plan.
 - (8) Store animals dead on arrival (DOA) in a manner which prevents the entry and release of stormwater.
 - (9) Store refrigerated trailers with the potential for drainage of water contaminated with animal blood (red water) in containment areas with discharge to a wastewater treatment system.
 - (10) Perform equipment and vehicle washing activities in containment areas with discharge to a wastewater treatment system.
 - (11) Clean containment areas and remove accumulation of solids and organic materials (blood, fitter, feed meal, animal byproducts, etc.) according to a schedule to be developed as appropriate for the facility, taking into account significant rain events and production schedules. Such schedule and a log demonstrating compliance with such schedule shall be maintained as part of the facility's BMP Plan.

- (12) Remove solids and other contaminants on vehicles and equipment prior to long-term storage in outdoor areas (e.g., bone yards).
- (13) Properly maintain (or ensure third party rendering companies properly maintain) gates and drain valves on offal trailers to prevent leakage.

b. Tier II BMPs

- (1) Perform wash down of live animal holding, staging, storage, etc. areas according to a schedule to be developed as appropriate for the facility, taking into account significant rain events and production schedules. Such schedule and a log demonstrating compliance with such schedule shall be maintained as part of the facility's BMP Plan. Resulting wash water shall be collected and discharged to a wastewater treatment system.
- (2) Rinse live animal trailers, offal trailers, cages, etc. before long-term storage in outdoor areas (e.g., bone yards). Resulting rinse water shall be collected and discharged to a wastewater treatment system.
- (3) Implement and maintain operational measures which minimize/prevent attraction of excessive numbers of feral animals and birds to the facility grounds.
- (4) Disinfection of live animal holding, staging, and transfer areas can be performed during dry weather, when rain is not in the forecast within the next 24 hours at a 30% chance or higher, the neutralization will have time to take effect prior to the rain event, and it is applied such that there is no discharge as a result of the application.

c. Tier III BMPs

Perform wash down of paved driveways, parking areas, etc., where live animal and animal byproduct transport vehicles are staged, stored, moved across, etc., paved driveways, parking areas, etc. according to a schedule to be developed as appropriate for the facility, taking into account significant rain events and production schedules. Such schedule and a log demonstrating compliance with such schedule shall be maintained as part of the facility's BMP Plan. Resulting washwater shall be collected and discharged to a wastewater treatment system.

3. Structural BMPs

a. Tier I BMPs

- (1) Provide containment areas and/or send to a wastewater treatment system for the following operations:
 - (i) Loaded refrigerated trailer parking areas;
 - (ii) Live holding sheds;
 - (iii) Live receiving areas;
 - (iv) Fresh product shipping docks;
 - (v) Exposed offal storage and handling systems
 - (vi) Exposed DOA storage areas; and
 - (vii) Vehicle and equipment washing areas.
- (2) Incidental spillage, wash down water, and stormwater from these areas should be collected and discharged -to a wastewater treatment system.
- (3) Install and maintain pavement and curbing, etc. in the areas identified above to all routine dry cleanup and/or wash down.
- (4) Cover Live Animal Holding/Staging areas and Live Receiving areas.
- (5) Install silt fencing or other sediment barriers (storm drain catchment filter inserts, sediment traps, etc.) around or in drop inlets, above outfalls, etc. to impede the migration of silt, sediment, and litter materials into stormwater drainage systems. These systems shall be inspected and maintained as needed to remove collected materials (silt, sediment, trash, etc.) and according to a schedule to be developed as appropriate for the facility, taking into account significant rain events, and production schedules. Such schedule and a log demonstrating compliance with such schedule shall be maintained as part of the facility's BMP Plan

- (6) Install and maintain collection and diversion structures (gutters, separate stormwater drainage systems, etc.) to segregate "clean" stormwater runoff from "sensitive" areas. Sensitive areas are defined as areas where live animals, litter materials, animal manures, animal byproducts, and other potential sources of E. coli may be present on surfaces.
- (7) Install and maintain netting, curtains, etc. around Live Holding Sheds and Live Receiving Areas, to contain feathers, litter material, and associated dusts in containment areas.

b. Tier II BMPs

- (1) Provide containment areas and/or sewer connection for the following operations:
 - (i) Loaded offal trailer parking areas;
 - (ii) Live haul trailer parking areas;
 - (iii) Dirty cage storage areas; and
 - (iv) Trash compactor/dumpster areas, which can contain animal byproducts, litter/manure, and other potential sources of E. coli
- (2) Install and maintain pavement and curbing, etc. in the areas identified above to allow routine dry cleanup and/or wash down.
- (3) Where allowed and appropriate, install filter strips adjacent to paved areas to treat sheet flow runoff from areas.
- (4) Where allowed and appropriate, install and maintain grass buffer strips upgradient of drainage ways.
- (5) Purchase mechanical pavement sweepers or vacuums or contract with associated third party contractor or service, and clean applicable paved areas on an as needed basis.

c. Tier III BMPs

- (1) Where allowed and appropriate, install first flush systems in other sensitive areas where incidental releases of manure, litter, red water, animal byproducts, etc. can occur. These systems should collect the first inch of rainfall and wash down water from areas. The first inch of rainfall and wash down water collected by these systems shall be discharged to a wastewater treatment system.
- (2) If feasible, install air pollution control devices on ventilation exhaust from Live Hang areas.

4. Annual Report

The Permittee must submit an annual report on January 28th of each year which shall include the following:

- a. Operational BMPs employed at the facility, and when they were first employed.
- b. Structural BMPs employed at the facility, and when they were first employed.
- c. Trend analysis of discharge levels of E.coli.
- d. Summary on the effectiveness on each BMP employed at the site, if known.
- e. A list of additional BMPs that are being considered, and when they will be employed at the site.

D. EFFLUENT TOXICITY LIMITATIONS AND BIOMONITORING REQUIREMENTS

1. The permittee shall perform short-term chronic toxicity tests on the wastewater discharges required to be tested for chronic toxicity by Part I of this permit.
 - a. Test Requirements (Screening Test)
 - (1) The samples shall be diluted using appropriate control water, to the Instream Waste Concentration (IWC) which is 100 % effluent. The IWC is the actual concentration of effluent, after mixing, in the receiving stream during a 7-day, 10-year flow period.
 - (2) Any test result that shows a statistically significant reduction in survival, growth, or reproduction between the control and the test at the 95% confidence level indicate chronic toxicity and constitute noncompliance with this permit.

c. General Test Requirements

- (1) A minimum of three (3) 24-hour composite samples shall be obtained for use in the above biomonitoring tests and collected every other day so that the laboratory receives water samples on the first, third, and fifth day of the seven-day test period. The holding time for each composite sample shall not exceed 36 hours. The control water shall be a water prepared in the laboratory in accordance with the EPA procedure described in EPA 821-R-02-013 or the most current edition or another control water selected by the permittee and approved by the Department.
- (2) Effluent toxicity tests in which the control survival is less than 80%, *P. promelas* dry weight per surviving control organism is less than 0.25 mg, *Ceriodaphnia* number of young per surviving control organism is less than 15, *Ceriodaphnia* reproduction where less than 60% of surviving control females produce three broods or in which the other requirements of the EPA Test Procedure are not met shall be unacceptable and the permittee shall rerun the tests as soon as practical within the monitoring period.
- (3) In the event of an invalid test, upon subsequent completion of a valid test, the results of all tests, valid and invalid, are reported with an explanation of the tests performed and results.

d. Reporting Requirements

- (1) The permittee shall notify the Department in writing within 48 hours after toxicity has been demonstrated by the scheduled test(s).
- (2) Biomonitoring test results obtained during each monitoring period shall be summarized and reported using the appropriate Discharge Monitoring Report (DMR) form approved by the Department. In accordance with Section 2 of this part, an effluent toxicity report containing the information in Section 2 shall be included with the DMR. Two copies of the test results must be submitted to the Department no later than 28 days after the month in which the tests were performed.

e. Additional Testing Requirements

- (1) If chronic toxicity is indicated (noncompliance with permit limit), the permittee shall perform two additional valid chronic toxicity tests in accordance with these procedures to determine the extent and duration of the toxic condition. The toxicity tests shall run consecutively beginning on the first calendar week following the date on which the permittee became aware of the permit noncompliance and the results of these tests shall be submitted no later than 28 days following the month in which the tests were performed.
- (2) After evaluation of the results of the follow-up tests, the Department will determine if additional action is appropriate and may require additional testing and/or toxicity reduction measures. The permittee may be required to perform a Toxicity Identification Evaluation (TIE) and/or a Toxicity Reduction Evaluation (TRE). The TIE/TRE shall be performed in accordance with the most recent protocols/guidance outlined by EPA (e.g., EPA/600/2-88/062, EPA/600/R-92/080, EPA/600/R-91-003, EPA/600/R-92/081, EPA/833/B-99/022 and/or EPA/600/6-91/005F, etc.)

f. Test Methods

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

2. Effluent Toxicity Testing Reports

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

a. Introduction

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

- b. Plant Operation
 - (1) Discharge Operating schedule (if other than continuous)
 - (2) Volume of discharge during sample collection to include Mean daily discharge on sample collection dates (MGD, CFS, GPM)
 - (3) Design flow of treatment facility at time of sampling
- c. Source of Effluent and Dilution Water
 - (1) Effluent samples
 - (a) Sampling point
 - (b) Sample collection dates and times (to include composite sample start and finish times)
 - (c) Sample collection method
 - (d) Physical and chemical data of undiluted effluent samples (water temperature, pH, alkalinity, hardness, specific conductance, total residual chlorine (if applicable), etc.)
 - (e) Lapsed time from sample collection to delivery
 - (f) Lapsed time from sample collection to test initiation
 - (g) Sample temperature when received at the laboratory
 - (2) Dilution Water
 - (a) Source
 - (b) Collection/preparation date(s) and time(s)
 - (c) Pretreatment (if applicable)
 - (d) Physical and chemical characteristics (water temperature, pH, alkalinity, hardness, specific conductance, etc.)
- d. Test Conditions
 - (1) Toxicity test method utilized
 - (2) End point(s) of test
 - (3) Deviations from referenced method, if any, and reason(s)
 - (4) Date and time test started
 - (5) Date and time test terminated
 - (6) Type and volume of test chambers
 - (7) Volume of solution per chamber
 - (8) Number of organisms per test chamber
 - (9) Number of replicate test chambers per treatment
 - (10) Test temperature, pH, and dissolved oxygen as recommended by the method (to include ranges)
 - (11) Specify if aeration was needed
 - (12) Feeding frequency, amount, and type of food
 - (13) Specify if (and how) pH control measures were implemented
 - (14) Light intensity (mean)
- e. Test Organisms
 - (1) Scientific name
 - (2) Life stage and age

- (3) Source
 - (4) Disease(s) treatment (if applicable)
- f. Quality Assurance
 - (1) Reference toxicant utilized and source
 - (2) Date and time of most recent chronic reference toxicant test(s), raw data and current control chart(s). The most recent chronic reference toxicant test shall be conducted within 30 days of the routine.
 - (3) Dilution water utilized in reference toxicant test
 - (4) Results of reference toxicant test(s) (NOEC, IC25, PASS/FAIL, etc.), report concentration response relationship and evaluate test sensitivity
 - (5) Physical and chemical methods utilized
- g. Results
 - (1) Provide raw toxicity data in tabular form, including daily records of affected organisms in each concentration (including controls) and replicate
 - (2) Provide table of endpoints: NOECs, IC25s, PASS/FAIL, etc. (as required in the applicable NPDES permit)
 - (3) Indicate statistical methods used to calculate endpoints
 - (4) Provide all physical and chemical data required by method
 - (5) Results of test(s) (NOEC, IC25, PASS/FAIL, etc.), report concentration-response relationship (definitive test only), report percent minimum significant difference (PMSD) calculated for sub-lethal endpoints determined by hypothesis testing.
- h. Conclusions and Recommendations
 - (1) Relationship between test endpoints and permit limits
 - (2) Actions to be taken

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

EDWARD F. POOLOS
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FACT SHEET

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

Date: May 2, 2025

Prepared By: Rachel Lounsberry

NPDES Permit No. AL0001449

1. Name and Address of Applicant:

Tyson Farms Inc
67240 Main St
Blountsville, AL 35031

2. Name and Address of Facility:

Blountsville Processing
67240 Main St
Blountsville, AL 35031

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

The facility is a further processing poultry facility. Live birds are slaughtered and processed through an evisceration system. The birds are chilled, sized, weighted, and eventually packaged for consumer sale.

4. Applicant's Receiving Waters

<u>Receiving Waters</u>	<u>Classification</u>
Graves Creek	Fish & Wildlife
Unnamed Tributary to Graves Creek	Fish & Wildlife

For the Outfall latitude and longitude, see the permit application.

5. Permit Conditions:

See attached Rationale and Draft Permit.

6. PROCEDURES FOR THE FORMULATION OF FINAL DETERMINATIONS

a. Comment Period

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

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



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

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

Coastal Office
1615 South Broad Street
Mobile, AL 36605
(251) 450-3400
(251) 479-2593 (FAX)

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

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

b. Public Hearing

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

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

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

c. Issuance of the Permit

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

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

d. Appeal Procedures

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

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

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

ADEM PERMIT RATIONALE

PREPARED DATE: July 31, 2025
PREPARED BY: Rachel Lounsberry
REVISED DATE: September 22, 2025
REVISED BY: Rachel Lounsberry

Permittee Name: Tyson Farms Inc
Facility Name: Blountsville Processing
Permit Number: AL0001449

PERMIT IS REISSUANCE DUE TO EXPIRATION

DISCHARGE SERIAL NUMBERS (DSN) & DESCRIPTIONS:

DSN	Description
001	Treated process wastewater and clean-up water, sanitary wastewater, storm water, and treated poultry process wastewater
002, 003, & 004	Storm water run-off associated with poultry processing operations

INDUSTRIAL CATEGORY: 40 CFR Part 432 – Meat and Poultry Products Point Source Category
432.112 (BPT) & 432.113 (BAT) Subpart K – Poultry First Processing
432.122 (BPT) & 432.123 (BAT) Subpart L – Poultry Further Processing

MAJOR: YES

STREAM INFORMATION:

Receiving Stream: Graves Creek (DSN001, DSN002, & DSN003)
Unnamed Tributary to Graves Creek (DSN004)
Classification: Fish and Wildlife
River Basin: Black Warrior River Basin
7Q10: 0 cfs
7Q2: 0 cfs
1Q10: 0 cfs
Annual Average Flow: 18.73 cfs (Graves Creek) / 0 cfs (UT to Graves Creek)
303(d) List: YES
Impairment: Pathogens (E. coli)
TMDL: YES (Low Dissolved Oxygen/Organic Loading & Phosphorus)

DISCUSSION:

The facility is a poultry processor and is subject to 40 CFR Part 432 – Subparts K & L. Live birds are slaughtered and processed through an evisceration system. The birds are then chilled, sized, and organized by weight. Leg quarters are packaged for consumer sale. The breast meat is shipped to a co-packing facility where it is de-boned. The de-boned breast meat is returned to the plant and processed into patties, strips, and nuggets and then par-fried and shipped for sale to consumers and commercial customers.

ADEM Administrative Rule 335-6-10-.12 requires applicants to new or expanded discharges to Tier II waters demonstrate that the proposed discharge is necessary for important economic or social development in the area in which the waters are located. The application submitted by the facility is not for a discharge to a Tier II water body. Therefore, anti-degradation requirements do not apply

DSN0011: Treated process wastewater and clean-up water, sanitary wastewater, storm water, and treated poultry process wastewater

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq	Sample Type	Seasonal	Basis
Oxygen, Dissolved (DO) (00300) Effluent Gross Value	*****	*****	*****	6.0 Minimum Daily	*****	*****	mg/l	Weekly	Grab	All Months	WQBEL
BOD, 5-Day (20 Deg. C) (00310) Effluent Gross Value	106.08 Monthly Average	159.12 Maximum Daily	lbs/day	*****	10.6 Monthly Average	15.90 Maximum Daily	mg/l	Weekly	Composite	Jan, Feb, Mar, Apr, Dec	BPJ/ WQBEL
BOD, 5-Day (20 Deg. C) (00310) Effluent Gross Value	48.03 Monthly Average	72.05 Maximum Daily	lbs/day	*****	4.80 Monthly Average	7.20 Maximum Daily	mg/l	Weekly	Composite	May, Jun, Jul, Aug, Sep, Oct, Nov	BPJ/ WQBEL
pH (00400) Effluent Gross Value	*****	*****	*****	6.0 Minimum Daily	*****	8.5 Maximum Daily	S.U.	Weekly	Grab	All Months	WQBEL
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	20 Monthly Average	30 Maximum Daily	mg/l	Weekly	Composite	All Months	EGL
Oil and Grease, Hexane Extr Method (00552) Effluent Gross Value	*****	*****	*****	*****	8 Monthly Average	14 Maximum Daily	mg/l	Weekly	Grab	All Months	EGL
Nitrogen, Total (As N) (00600) Effluent Gross Value	*****	*****	*****	*****	103 Monthly Average	147 Maximum Daily	mg/l	Weekly	Grab	All Months	EGL
Nitrogen, Ammonia Total (As N) (00610) Effluent Gross Value	10.00 Monthly Average	15.01 Maximum Daily	lbs/day	*****	1.0 Monthly Average	1.5 Maximum Daily	mg/l	Weekly	Composite	All Months	BPJ/ WQBEL
Nitrogen, Kjeldahl Total (As N) (00625) Effluent Gross Value	*****	*****	*****	*****	2.0 Monthly Average	3.0 Maximum Daily	mg/l	Weekly	Composite	All Months	WQBEL
Nitrite Plus Nitrate Total 1 Det. (As N) (00630) Effluent Gross Value	*****	(Report) Maximum Daily	lbs/day	*****	*****	*****	*****	Weekly	Grab	All Months	BPJ
Phosphorus, Total (As P) (00665) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	lbs/day	*****	0.25 Monthly Average	(Report) Maximum Daily	mg/l	Weekly	Composite	Mar, Apr, May, Jun, Jul, Aug, Sep, Oct	TMDL
Phosphorus, Total (As P) (00665) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	lbs/day	*****	(Report) Monthly Average	(Report) Maximum Daily	mg/l	Weekly	Composite	Jan, Feb, Nov, Dec	TMDL
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Daily	Totalizer	All Months	BPJ
Chlorine, Total Residual (50060) Effluent Gross Value	*****	*****	*****	*****	0.011 Monthly Average	0.019 Maximum Daily	mg/l	Monthly	Grab	All Months	WQBEL
E. Coli (51040) Effluent Gross Value	*****	*****	*****	*****	126 Monthly Average	298 Maximum Daily	col/100mL	Weekly	Grab	May, Jun, Jul, Aug, Sep, Oct	WQBEL
E. Coli (51040) Effluent Gross Value	*****	*****	*****	*****	548 Monthly Average	2507 Maximum Daily	col/100mL	Weekly	Grab	Jan, Feb, Mar, Apr, Nov, Dec	WQBEL

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq	Sample Type	Seasonal	Basis
Coliform, Fecal General (74055) Effluent Gross Value	*****	*****	*****	*****	*****	400 Maximum Daily	col/100mL	Weekly	Grab	All Months	EGL

DSN001Q: Treated process wastewater and clean-up water, sanitary wastewater, storm water, and treated poultry process wastewater

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq	Sample Type	Seasonal	Basis
Toxicity, Ceriodaphnia Chronic (61426) Effluent Gross Value	*****	0 Maximum Daily	pass=0; fail=1	*****	*****	*****	*****	Quarterly	Composite	All Months	WQBEL
Toxicity, Pimephales Chronic (61428) Effluent Gross Value	*****	0 Maximum Daily	pass=0; fail=1	*****	*****	*****	*****	Quarterly	Composite	All Months	WQBEL

DSN002S-DSN004S: Storm water run-off associated with poultry processing operations

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
BOD, 5-Day (20 Deg. C) (00310) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nitrogen, Kjeldahl Total (As N) (00625) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nitrite Plus Nitrate Total 1 Det. (As N) (00630) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Phosphorus, Total (As P) (00665) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months	BPJ
E. Coli (51040) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	col/ 100mL	Semi-Annually	Grab	All Months	BPJ
Chemical Oxygen Demand (COD) (81017) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ

***Basis for Permit Limitation**

- BPJ – Best Professional Judgment
- WQBEL – Water Quality Based Effluent Limits
- EGL – Federal Effluent Guideline Limitations
- 303(d) – 303(d) List of Impaired Waters
- TMDL – Total Maximum Daily Load Requirements

Discussion

DSN001: Treated process wastewater and clean-up water, sanitary wastewater, storm water, and treated poultry process wastewater

Federal Effluent Guideline Limitations (EGL)

Parameters based upon EGL have had effluent guidelines established under 40 CFR Part 432 – Subpart K & L. The applicable effluent limitations under each of these subparts are the same.

Best Professional Judgment (BPJ)

The parameters of concern for this facility are based on the parameters of concern listed in EPA forms 2C and from the current permit. These parameters are consistent with similar facilities in the state and have been proven to be reflective of the operations at this facility. The parameters with specific limits are discussed below:

Biochemical Oxygen Demand (BOD) and Ammonia (As N)

The mass based limits for BOD and Ammonia were determined using the more stringent water quality based concentration limits and the facilities long term average flow of 0.87 MGD reported in the application in EPA Form 2C. A sample calculation can be seen below:

$$\text{BOD (ppd)} = \text{Conversion Factor (8.34)} \times \text{Long Term Average Flow (MGD)} \times \text{BOD (mg/l)}$$

Oil & Grease

The daily maximum limit for Oil and Grease should prevent the occurrence of a visible sheen in the stream and has been shown to be achievable through the use of proper BMPs.

Water Quality Based Effluent Limits (WQBEL)

pH

ADEM Administrative Code, Division 6 Regulations, specifically 335-6-10-.09(5)(e)2. – Specific Water Quality for Fish and Wildlife classified streams states: “Sewage, industrial wastes or other wastes shall not cause the pH to deviate more than one unit from then normal or natural pH, nor be less than 6.0, nor greater than 8.5 standard units.”

Biochemical Oxygen Demand (BOD) and Ammonia

The concentrations of BOD and Ammonia are listed below and are based on the Department’s Water Quality Branch April 2018 Waste Load Allocation Model. The monthly average limits proposed by Water Quality were multiplied by a peaking factor of 1.5 to calculate the daily maximum limits. The proposed concentration limits are more stringent than the Federal Guideline Limitations in 40 CFR 432. A comparison is provided in the table.

	Water Quality Limit from 2018 Waste Load Allocation		Effluent Limitation in 40 CFR 432	
	Monthly Average (mg/l)	Daily Maximum (mg/l)	Monthly Average (mg/l)	Daily Maximum (mg/l)
BOD-5 (Dec-April)	10.6	15.9	16.0	26.0
BOD-5 (May-Nov)	4.8	7.2	16.0	26.0
Ammonia (Dec-April)	1.0	1.5	4.0	8.0
Ammonia (May-Nov)	1.0	1.5	4.0	8.0

Total Kjeldahl Nitrogen (TKN), and Dissolved Oxygen (DO)

The concentrations of TKN and DO are listed below and are based on the Department's Water Quality Branch April 2018 Waste Load Allocation Model. The TKN monthly average limit proposed by Water Quality was multiplied by a peaking factor of 1.5 to calculate the daily maximum limit.

	Water Quality Limit from 2018 Waste Load Allocation	
	Monthly Average (mg/l)	Daily Maximum (mg/l)
TKN (Dec-April)	2.0	3.0
TKN (May-Nov)	2.0	3.0
	Minimum DO mg/l	
DO (Dec-April)	6.0	
DO (May-Nov)	6.0	

E. Coli

ADEM Admin. Code r. 335-6-10-.09(5)(e)7.(i) & (ii) – Specific Water Quality for Fish and Wildlife classified streams states: “(i) In non-coastal waters, bacteria of the *E. coli* group shall not exceed a geometric mean of 548 colonies/ 100 ml; nor exceed a maximum of 2,507 colonies/ 100 ml in any sample. (ii) For incidental water contact and whole body water-contact recreation during the months of May through October, the bacterial quality of water is acceptable... when the geometric mean *E. coli* organism density does not exceed 126 colonies/ 100 ml nor exceed a maximum of 298 colonies/ 100 ml in any sample in non-coastal waters.” Therefore, the following requirements for E.coli will be included in this permit with a monitoring frequency of once per week:

Monthly Average (May-October)	126 colonies/100 ml
Monthly Average (November-April)	548 colonies/ 100 ml
Daily Maximum (May- October)	298 colonies/ 100 ml
Daily Maximum (November-April)	2507 colonies/ 100 ml

Total Residual Chlorine (TRC)

The facility is requesting the use of chlorine for an emergency situation or if the ultraviolet disinfection unit fails. In the event of an emergency situation and chlorination is used, Total Residual Chlorine shall be limited. The TRC limits are based on the United States Environmental Protection Agency's (EPA) recommended water quality criteria which considers the available dilution in the receiving stream. Because the receiving stream has a 7Q10 flow of 0 cfs, the limits are a monthly average of 0.011 mg/l and a daily maximum 0.019 mg/l.

In accordance with a letter dated August 11, 1998 from EPA Headquarters and a 1991 memorandum from EPA Region 4's Environmental Services Division (ESD), due to testing and method detection limitations, a Total Residual Chlorine measurement below 0.05 mg/L shall be considered below detection for compliance purposes. The facility shall report the code *9 (monitoring is conditional/ not required this monitoring permit) on the DMR when there is no discharge of chlorine.

Chronic Toxicity Biomonitoring

Chronic toxicity biomonitoring will be required once per quarter to ensure no adverse impacts occur to the receiving stream as a results of the facility's discharge. Chronic toxicity monitoring is appropriate due to the receiving stream water use classification and because the effluent flow is more than 1% of the 7Q10 of the receiving stream with no diffuser. The test will be run at the instream waste concentration (IWC) of 100 %. The IWC was determined using an assumed complete mix because the receiving stream 7Q10 is 0.0 cfs.

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

Graves Creek is listed on the 2024 303(d) List of Impaired Waters as impaired for Pathogens (E. coli). The source of the impairment is from agricultural sources; however, based on the nature of discharge from this facility, pathogen monitoring is already being implemented based on water quality criteria and effluent guideline limitations. In addition, BMP requirements for poultry processing are being added into the permit.

The facility's discharge is included as a point source in the Locust Fork Watershed Nutrient TMDL, which was approved by the EPA in January 2018. The TMDL requires that all major permittees comply with a Total Phosphorus (TP) limit of 0.25 mg/l and, "shall be applied as an effluent monthly average total phosphorus concentration limit applicable during the months of March – October."

Arsenic/Numeric Reasonable Potential Analysis (RPA)

According to the facility's EPA Form 2C, arsenic was reported as being in the facility's wastewater discharge. Tyson submitted an additional sample result for arsenic and stated, "Tyson reviewed our chemicals and ingredients to determine whether our processes could be the source. There are no arsenic or arsenic compounds in our process or wastewater chemicals or our ingredients. In addition, we tested our potable water sources, and our groundwater is also arsenic free. From our review and testing, Tyson is not the source of arsenic". Furthermore, due to the inability for the laboratory to speciate the additional arsenic sample, a third sample was taken to determine the dissolved arsenic from the effluent discharge. In February 2017, the Department's Water Quality Branch developed a ratio of trivalent arsenic to dissolved arsenic. In conclusion, a typical dissolved arsenic sample contains approximately 30% of the trivalent species. Trivalent is the form in which the applicable water quality criteria for arsenic is expressed. Using a reported dissolved arsenic value of 2 ug/l, the trivalent component would be $0.30 \times 2 \text{ ug/l}$ or 0.6 ug/l. The Department performed a numeric RPA (see attached) to determine if the facility's effluent discharge to the receiving stream would cause a potential to violate water quality criteria at the point of discharge. No parameters included in the analysis showed a reasonable potential to violate water quality standards; therefore, no additional limitations are proposed in this permit issuance.

DSN002 – DSN004: Storm water run-off associated with poultry processing operations

Best Professional Judgment (BPJ)

The parameters of concern for this facility are based on the parameters of concern listed in EPA form 2F and from the current permit. These parameters are consistent with similar facilities in the state and have been proven to be reflective of the operations at this facility.

Oil & Grease

The daily maximum limit for Oil and Grease should prevent the occurrence of a visible sheen in the stream and has been shown to be achievable through the use of proper BMPs.

Best Management Practices (BMPs) Plan

BMPs are believed to be the most effective way to control the contamination of stormwater from areas of industrial activities. This facility is required to maintain a BMP plan. The requirements of the BMP plan call for minimization of stormwater contact with waste materials, products and by-products, and for prevention of spills or loss of fluids from equipment maintenance activities. The effectiveness of the BMPs will be measured through the monitoring of the pollutants of concern.

The Department has updated the BMP language located in Part IV.A.2.g of the Permit. The Permit Condition now states "Provide for routine inspections, or days during which the facility is manned, of any structures that function to prevent stormwater pollution or to remove pollutants from stormwater and of the facility in general. Routine inspections should be done at a frequency to ensure that the BMP is continually implemented and effective and in no case less frequent than once per year." This clarification was added to be consistent with 40 CFR Part 122.43(c)

BMPs for Poultry Processing Plants

Due to elevated E. coli levels in the stormwater discharges, the facility is required, at a minimum, to utilize a BMP or combination of BMPs as outlined in Part IV.C of the permit to achieve reductions in levels of E. coli in stormwater runoff. An annual report summarizing the BMPs employed at the facility, trend analysis of discharge levels of E. coli, effectiveness on each BMP employed at the site, and a list of additional BMPs that are being considered is required to be submitted on January 28th of each year. The report requirements are outlined in Part IV.C.4. of the permit.

Revision September 22, 2025

The facility submitted comments (see attached) on the draft permit. The facility has requested to update the long-term average flow from 0.87 MGD to 1.2 MGD. This request is based on new processes at the facility and an increase in production. As indicated in the attached comments, the facility has installed an automated deboning line which introduced a continuous water flow of an additional 750,000 gallons/week or approximately 0.107 MGD. In addition, an increase in the kill rate has increased the usage of water in this stage of the process by an additional 875,000 gallons/week or approximately 0.125 MGD. Lastly, non-contact stormwater and contact stormwater which includes stormwater collected from process areas, material handling, and other miscellaneous surfaces is all routed to the onsite wastewater treatment system. Though an average stormwater contribution can be accounted for, the variability in rain events depending on the season of the year can cause extreme fluctuations in the average daily flow rate; therefore, a conservative estimate of 0.1 MGD on average is appropriate. The numeric reasonable potential analysis (see attached) was updated to reflect the increased flow and no parameters included in the analysis showed a reasonable potential to violate water quality standards. The following effluent limit calculations reflect the new long-term average flow:

Example Calc's:

Pollutant (lbs/day) = Conversion Factor (8.34) x Long-Term Average Flow (MGD) x Pollutant Concentration Limit (mg/l)

Monthly Average BOD (lbs/day) = 8.34 x 1.2 MGD x 10.6 mg/l = 106.08 lbs/day

Daily Maximum Ammonia (lbs/day) = 8.34 x 1.2 MGD x 1.5 mg/l = 15.01 lbs/day

New Limits

Pollutant	Monthly Average	Daily Maximum	Unit	Seasonal
Nitrogen, Ammonia Total (As N)	10.00	15.01	lbs/day	All Months
BOD, 5-Day	106.08	159.12	lbs/day	Jan, Feb, Mar, Apr, Dec
BOD, 5-Day	48.03	72.05	lbs/day	May, Jun, Jul, Aug, Sep, Oct, Nov

This revision supersedes any applicable preceding language above from the original draft.

$Q_d * C_d + Q_{d2} * C_{d2} + Q_s * C_s = Q_r * C_r$							Enter Max Daily Discharge as reported by Applicant (C _d) Max	Enter Avg Daily Discharge as reported by Applicant (C _d) Ave	Partition Coefficient (Stream / Lake)
ID	Pollutant	Carcinogen Yes*	Type	Background from upstream source (C _{d2}) Daily Max	Background from upstream source (C _{d2}) Monthly Ave	Background Instream (C _s) Daily Max	Background Instream (C _s) Monthly Ave		
1	Antimony		Metals	0	0	0	0	0	-
2	Arsenic***	YES	Metals	0	0	0	0	0.6	0.574
3	Beryllium		Metals	0	0	0	0	0	-
4	Cadmium**		Metals	0	0	0	0	0	0.236
5	Chromium / Chromium III**		Metals	0	0	0	0	0	0.210
6	Chromium / Chromium VI**		Metals	0	0	0	0	0	0.388
7	Copper**		Metals	0	0	0	0	0	0.206
8	Lead**		Metals	0	0	0	0	0	0.302
9	Mercury**		Metals	0	0	0	0	0	0.505
10	Nickel**		Metals	0	0	0	0	0	-
11	Selenium		Metals	0	0	0	0	0	-
12	Silver		Metals	0	0	0	0	0	-
13	Thallium		Metals	0	0	0	0	0	-
14	Zinc**		Metals	0	0	0	0	0	0.330
15	Cyanide		Metals	0	0	0	0	0	-
16	Total Phenolic Compounds		Metals	0	0	0	0	0	-
17	Hardness (As CaCO3)		Metals	0	0	0	0	0	-
18	Acrolein		VOC	0	0	0	0	0	-
19	Acrylonitrile*	YES	VOC	0	0	0	0	0	-
20	Aldrin	YES	VOC	0	0	0	0	0	-
21	Benzene*	YES	VOC	0	0	0	0	0	-
22	Bromofuran*	YES	VOC	0	0	0	0	0	-
23	Carbon Tetrachloride*	YES	VOC	0	0	0	0	0	-
24	Chlordane	YES	VOC	0	0	0	0	0	-
25	Chlorobenzene		VOC	0	0	0	0	0	-
26	Chlorodibromo-Methane*	YES	VOC	0	0	0	0	0	-
27	Chloroethane		VOC	0	0	0	0	0	-
28	2-Chloro-Ethylvinyl Ether		VOC	0	0	0	0	0	-
29	Chloroform*	YES	VOC	0	0	0	0	0	-
30	4,4'-DDD	YES	VOC	0	0	0	0	0	-
31	4,4'-DDE	YES	VOC	0	0	0	0	0	-
32	4,4'-DDT	YES	VOC	0	0	0	0	0	-
33	Dichlorobromo-Methane*	YES	VOC	0	0	0	0	0	-
34	1,1-Dichloroethane		VOC	0	0	0	0	0	-
35	1,2-Dichloroethane*	YES	VOC	0	0	0	0	0	-
36	Trans-1,2-Dichloro-Ethylene		VOC	0	0	0	0	0	-
37	1,1-Dichloroethylene*	YES	VOC	0	0	0	0	0	-
38	1,2-Dichloropropane		VOC	0	0	0	0	0	-
39	1,3-Dichloro-Propylene		VOC	0	0	0	0	0	-
40	Dieldrin	YES	VOC	0	0	0	0	0	-
41	Ethylbenzene		VOC	0	0	0	0	0	-
42	Methyl Bromide		VOC	0	0	0	0	0	-
43	Methyl Chloride		VOC	0	0	0	0	0	-
44	Methylene Chloride*	YES	VOC	0	0	0	0	0	-
45	1,1,1,2,2-Tetrachloro-Ethane*	YES	VOC	0	0	0	0	0	-
46	Tetrachloro-Ethylene*	YES	VOC	0	0	0	0	0	-
47	Toluene		VOC	0	0	0	0	0	-
48	Toxaphene	YES	VOC	0	0	0	0	0	-
49	Tributylene (TBT)	YES	VOC	0	0	0	0	0	-
50	1,1,1-Trichloroethane		VOC	0	0	0	0	0	-
51	1,1,2-Trichloroethane*	YES	VOC	0	0	0	0	0	-
52	Trichloroethylene*	YES	VOC	0	0	0	0	0	-
53	Vinyl Chloride*	YES	VOC	0	0	0	0	0	-
54	p-Chloro-m-Cresol		Acids	0	0	0	0	0	-
55	2-Chlorophenol		Acids	0	0	0	0	0	-
56	2,4-Dichlorophenol		Acids	0	0	0	0	0	-
57	2,4-Dimethylphenol		Acids	0	0	0	0	0	-
58	4,6-Dinitro-O-Cresol		Acids	0	0	0	0	0	-
59	2,4-Dinitrophenol		Acids	0	0	0	0	0	-
60	4,6-Dinitro-2-methylphenol	YES	Acids	0	0	0	0	0	-
61	Dioxin (2,3,7,8-TCDD)	YES	Acids	0	0	0	0	0	-
62	2-Nitrophenol		Acids	0	0	0	0	0	-
63	4-Nitrophenol		Acids	0	0	0	0	0	-
64	Pentachlorophenol*	YES	Acids	0	0	0	0	0	-
65	Phenol		Acids	0	0	0	0	0	-
66	2,4,6-Trichlorophenol*	YES	Acids	0	0	0	0	0	-
67	Acenaphthene		Bases	0	0	0	0	0	-
68	Acenaphthylene		Bases	0	0	0	0	0	-
69	Anthracene		Bases	0	0	0	0	0	-
70	Benzidine		Bases	0	0	0	0	0	-
71	Benzo(A)Anthracene*	YES	Bases	0	0	0	0	0	-
72	Benzo(A)Pyrene*	YES	Bases	0	0	0	0	0	-
73	3,4-Benzo-Fluoranthene		Bases	0	0	0	0	0	-
74	Benzo(ghi)Perylene		Bases	0	0	0	0	0	-
75	Benzo(k)Fluoranthene		Bases	0	0	0	0	0	-
76	Bis (2-Chloroethoxy) Methane		Bases	0	0	0	0	0	-
77	Bis (2-Chloroethyl) Ether*	YES	Bases	0	0	0	0	0	-
78	Bis (2-Chloroisopropyl) Ether		Bases	0	0	0	0	0	-
79	Bis (2-Ethylhexyl) Phthalate*	YES	Bases	0	0	0	0	0	-
80	4-Bromophenyl Phenyl Ether		Bases	0	0	0	0	0	-
81	Butyl Benzyl Phthalate		Bases	0	0	0	0	0	-
82	2-Chloronaphthalene		Bases	0	0	0	0	0	-
83	4-Chlorophenyl Phenyl Ether		Bases	0	0	0	0	0	-
84	Chrysene*	YES	Bases	0	0	0	0	0	-
85	Di-N-Butyl Phthalate		Bases	0	0	0	0	0	-
86	Di-N-Octyl Phthalate		Bases	0	0	0	0	0	-
87	Dibenz(a,h)Anthracene*	YES	Bases	0	0	0	0	0	-
88	1,2-Dichlorobenzene		Bases	0	0	0	0	0	-
89	1,3-Dichlorobenzene		Bases	0	0	0	0	0	-
90	1,4-Dichlorobenzene		Bases	0	0	0	0	0	-
91	3,3-Dichlorobenzidine*	YES	Bases	0	0	0	0	0	-
92	Diethyl Phthalate		Bases	0	0	0	0	0	-
93	Dimethyl Phthalate		Bases	0	0	0	0	0	-
94	2,4-Dinitrotoluene*	YES	Bases	0	0	0	0	0	-
95	2,6-Dinitrotoluene		Bases	0	0	0	0	0	-
96	1,2-Dichlorohydrazine	YES	Bases	0	0	0	0	0	-
97	Endosulfan (alpha)	YES	Bases	0	0	0	0	0	-
98	Endosulfan (beta)	YES	Bases	0	0	0	0	0	-
99	Endosulfan sulfate	YES	Bases	0	0	0	0	0	-
100	Endrin	YES	Bases	0	0	0	0	0	-
101	Endrin Aldehyde	YES	Bases	0	0	0	0	0	-
102	Fluoranthene		Bases	0	0	0	0	0	-
103	Fluorene		Bases	0	0	0	0	0	-
104	Heptachlor	YES	Bases	0	0	0	0	0	-
105	Heptachlor Epoxide	YES	Bases	0	0	0	0	0	-
106	Hexachlorobenzene*	YES	Bases	0	0	0	0	0	-
107	Hexachlorobutadiene*	YES	Bases	0	0	0	0	0	-
108	Hexachlorocyclohexan (alpha)	YES	Bases	0	0	0	0	0	-
109	Hexachlorocyclohexan (beta)	YES	Bases	0	0	0	0	0	-
110	Hexachlorocyclohexan (gamma)	YES	Bases	0	0	0	0	0	-
111	Hexachlorocyclopentadiene		Bases	0	0	0	0	0	-
112	Hexachloroethane		Bases	0	0	0	0	0	-
113	Indeno(1,2,3-CD)Pyrene*	YES	Bases	0	0	0	0	0	-
114	Isophorone		Bases	0	0	0	0	0	-
115	Naphthalene		Bases	0	0	0	0	0	-
116	Nitrobenzene		Bases	0	0	0	0	0	-
117	N-Nitrosodi-N-Propylamine*	YES	Bases	0	0	0	0	0	-
118	N-Nitrosodi-N-Methylamine*	YES	Bases	0	0	0	0	0	-
119	N-Nitrosodi-N-Phenylamine*	YES	Bases	0	0	0	0	0	-
120	PCB-1016	YES	Bases	0	0	0	0	0	-
121	PCB-1221	YES	Bases	0	0	0	0	0	-
122	PCB-1232	YES	Bases	0	0	0	0	0	-
123	PCB-1242	YES	Bases	0	0	0	0	0	-
124	PCB-1246	YES	Bases	0	0	0	0	0	-
125	PCB-1254	YES	Bases	0	0	0	0	0	-
126	PCB-1260	YES	Bases	0	0	0	0	0	-
127	Phenanthrene		Bases	0	0	0	0	0	-
128	Pyrene		Bases	0	0	0	0	0	-
129	1,2,4-Trichlorobenzene		Bases	0	0	0	0	0	-

1.2	Enter Q _d = wastewater discharge flow from facility (MGD)
1.8566748	Q _d = wastewater discharge flow (cfs) (this value is calculated from the MGD)
0	Enter flow from upstream discharge Q _{d2} = background stream flow in MGD above point of discharge
0	Q _{d2} = background stream flow from upstream source (cfs)
	Enter TQ10, Q _s = background stream flow in cfs above point of discharge
0.00	Enter or estimated, TQ10, Q _s = background stream flow in cfs above point of discharge (TQ10 estimated at 75% of TQ10)
18.73	Enter Mean Annual Flow, Q _s = background stream flow in cfs above point of discharge
0.00	Enter TQ2, Q _s = background stream flow in cfs above point of discharge (For LWF class streams)
Enter to Left	Enter C _s = background in-stream pollutant concentration in µg/l (assuming this is zero "0" unless there is data)
Q _d + Q _{d2} + Q _s	Q _s = resultant in-stream flow, after discharge
Calculated on other	C _s = resultant in-stream pollutant concentration in µg/l in the stream (after complete mixing occurs)
100.00	Enter Background Hardness above point of discharge (assumed 50 South of Birmingham and 100 North of Birmingham)
7.00 s.u.	Enter Background pH above point of discharge
YES	Enter, is discharge to a stream? "YES" Other option would be to a Lake. (This changes the partition coefficients for the metals)

** Using Partition Coefficients

September 22, 2025

Freshwater F&W classification:				Freshwater Acute (µg/l) C _a = 1Q10				Freshwater Chronic (µg/l) C _c = 7Q10				Human Health Consumption Fish only (µg/l)			
ID	Pollutant	RP?	Carcinogen yes	Background from upstream source (Cd2) Daily Max	Max Daily Discharge as reported by Applicant (C _{max})	Water Quality Criteria (C _a)	Draft Permit Limit (C _{max})	20% of Draft Permit Limit	RP?	Background from upstream source (Cd2) Monthly Ave	Avg Daily Discharge as reported by Applicant (C _{avg})	Water Quality Criteria (C _c)	Draft Permit Limit (C _{max})	20% of Draft Permit Limit	RP?
1	Antimony			0	0					0	0				
2	Arsenic		YES	0	0.6	592.334	592.334	118.467	No	0	0.6	261.324	261.324	52.265	No
3	Beryllium			0	0					0	0				
4	Cadmium			0	0	8.533	8.533	1.707	No	0	0	1.042	1.042	0.208	No
5	Chromium/ Chromium III			0	0	2713.159	2713.159	542.632	No	0	0	352.628	352.628	70.525	No
6	Chromium/ Chromium VI			0	0	16.000	16.000	3.200	No	0	0	11.000	11.000	2.200	No
7	Copper			0	0	34.637	34.637	6.927	No	0	0	23.082	23.082	4.616	No
8	Lead			0	0	313.502	313.502	62.700	No	0	0	12.217	12.217	2.443	No
9	Mercury			0	0	2.400	2.400	0.480	No	0	0	0.012	0.012	0.002	No
10	Nickel			0	0	927.200	927.200	185.440	No	0	0	102.993	102.993	20.597	No
11	Selenium			0	0	20.000	20.000	4.000	No	0	0	5.000	5.000	1.000	No
12	Silver			0	0	3.217	3.217	0.643	No	0	0				
13	Thallium			0	0					0	0				
14	Zinc			0	0	355.062	355.062	71.018	No	0	0	357.097	357.097	71.599	No
15	Cyanide			0	0	22.000	22.000	4.400	No	0	0	5.200	5.200	1.040	No
16	Total Phenolic Compounds			0	0					0	0				
17	Hardness (As CaCO3)			0	0					0	0				
18	Acrolin			0	0					0	0				
19	Acrylonitrile		YES	0	0					0	0				
20	Aldrin		YES	0	0	3.000	3.000	0.600	No	0	0				
21	Benzene		YES	0	0					0	0				
22	Bromoforn		YES	0	0					0	0				
23	Carbon Tetrachloride		YES	0	0					0	0				
24	Chlordane		YES	0	0	2.400	2.400	0.480	No	0	0	0.0043	0.004	0.001	No
25	Chlorobenzene			0	0					0	0				
26	Chlorodibromo-Methane		YES	0	0					0	0				
27	Chloroethane			0	0					0	0				
28	2-Chloro-Ethylvinyl Ether			0	0					0	0				
29	Chloroform		YES	0	0					0	0				
30	4,4' - DDD		YES	0	0					0	0				
31	4,4' - DDE		YES	0	0					0	0				
32	4,4' - DDT		YES	0	0	1.100	1.100	0.220	No	0	0	0.001	0.001	0.000	No
33	Dichlorobromo-Methane		YES	0	0					0	0				
34	1,1-Dichloroethane			0	0					0	0				
35	1,2-Dichloroethane		YES	0	0					0	0				
36	Trans-1,2-Dichloro-Ethylene			0	0					0	0				
37	1,1-Dichloroethylene		YES	0	0					0	0				
38	1,2-Dichloropropane			0	0					0	0				
39	1,3-Dichloro-Propylene			0	0					0	0				
40	Dieldrin		YES	0	0	0.240	0.240	0.048	No	0	0	0.056	0.056	0.011	No
41	Ethylbenzene			0	0					0	0				
42	Methyl Bromide			0	0					0	0				
43	Methyl Chloride			0	0					0	0				
44	Methylene Chloride		YES	0	0					0	0				
45	1,1,2,2-Tetrachloro-Ethane		YES	0	0					0	0				
46	Tetrachloro-Ethylene		YES	0	0					0	0				
47	Toluene			0	0					0	0				
48	Toxaphene		YES	0	0	0.730	0.730	0.146	No	0	0	0.0002	0.000	0.000	No
49	Tributyltin (TBT)			0	0	0.490	0.490	0.092	No	0	0	0.072	0.072	0.014	No
50	1,1,1-Trichloroethane			0	0					0	0				
51	1,1,2-Trichloroethane		YES	0	0					0	0				
52	Trichloroethylene		YES	0	0					0	0				
53	Vinyl Chloride		YES	0	0					0	0				
54	p-Chloro-m-Cresol			0	0					0	0				
55	2-Chlorophenol			0	0					0	0				
56	2,4-Dichlorophenol			0	0					0	0				
57	4-Dimethylphenol			0	0					0	0				
58	4,6-Dinitro-O-Cresol			0	0					0	0				
59	2,4-Dinitrophenol			0	0					0	0				
60	4,6-Dinitro-2-methylphenol		YES	0	0					0	0				
61	Dioxin (2,3,7,8-TCDD)		YES	0	0					0	0				
62	Nitrophenol			0	0					0	0				
63	4-Nitrophenol			0	0					0	0				
64	Pentachlorophenol		YES	0	0	8.723	8.723	1.745	No	0	0	6.693	6.693	1.339	No
65	Phenol			0	0					0	0				
66	2,4,6-Trichlorophenol		YES	0	0					0	0				
67	Acenaphthene			0	0					0	0				
68	Acenaphthylene			0	0					0	0				
69	Anthracene			0	0					0	0				
70	Benidine			0	0					0	0				
71	Benzo(A)Anthracene		YES	0	0					0	0				
72	Benzo(A)Pyrene		YES	0	0					0	0				
73	Benzo(b)fluoranthene			0	0					0	0				
74	Benzo(GH)Perylene			0	0					0	0				
75	Benzo(K)Fluoranthene			0	0					0	0				
76	Bis (2-Chloroethoxy) Methane			0	0					0	0				
77	Bis (2-Chloroethoxy)-Ether		YES	0	0					0	0				
78	Bis (2-Chloro-Propyl) Ether			0	0					0	0				
79	Bis (2-Ethylhexyl) Phthalate		YES	0	0					0	0				
80	4-Bromophenyl Phenyl Ether			0	0					0	0				
81	Butyl Benzyl Phthalate			0	0					0	0				
82	2-Chloronaphthalene			0	0					0	0				
83	4-Chlorophenyl Phenyl Ether			0	0					0	0				
84	Chrysene		YES	0	0					0	0				
85	D,N-Butyl Phthalate			0	0					0	0				
86	D,N-Octyl Phthalate			0	0					0	0				
87	Dibenz(A,H)Anthracene		YES	0	0					0	0				
88	1,2-Dichlorobenzene			0	0					0	0				
89	1,3-Dichlorobenzene			0	0					0	0				
90	1,4-Dichlorobenzene			0	0					0	0				
91	3,4-Dichlorobenzidine		YES	0	0					0	0				
92	Diethyl Phthalate			0	0					0	0				
93	Dimethyl Phthalate			0	0					0	0				
94	2,4-Dinitrotoluene		YES	0	0					0	0				
95	2,6-Dinitrotoluene			0	0					0	0				
96	1,2-Diphenylhydrazine			0	0					0	0				
97	Endosulfan (alpha)		YES	0	0	0.22	0.220	0.044	No	0	0	0.056	0.056	0.011	No
98	Endosulfan (beta)		YES	0	0	0.22	0.220	0.044	No	0	0	0.056	0.056	0.011	No
99	Endosulfan sulfate		YES	0	0					0	0				
100	Endrin		YES	0	0	0.088	0.088	0.017	No	0	0	0.036	0.036	0.007	No
101	Endrin Aldryde		YES	0	0					0	0				
102	Fluoranthene			0	0					0	0				
103	Fluorene			0	0					0	0				
104	Heptachlor		YES	0	0	0.52	0.520	0.104	No	0	0	0.0038	0.004	0.001	No
105	Heptachlor Epoxide		YES	0	0	0.52	0.520	0.104	No	0	0	0.0038	0.004	0.001	No
106	Hexachlorobenzene		YES	0	0					0	0				
107	Hexachlorobutadiene		YES	0	0					0	0				
108	Hexachlorocyclohexan (alpha)		YES	0	0					0	0				
109	Hexachlorocyclohexan (beta)		YES	0	0					0	0				
110	Hexachlorocyclohexan (gamma)		YES	0	0	0.95	0.950	0.190	No	0	0				
111	Hexachlorocyclopentadiene			0	0					0	0				
112	Hexachloroethane			0	0					0	0				
113	Indeno(1,2,3-CD)Pyrene		YES	0	0					0	0				
114	Isothorone			0	0					0	0				
115	Naphthalene			0	0					0	0				
116	Nitrobenzene			0	0					0	0				
117	N-Nitrosodi-N-Propylamine		YES	0	0					0	0				
118	N-Nitrosodimethylamine		YES	0	0					0	0				
119	N-Nitrosodiphenylamine		YES	0	0					0	0				
120	PCB-1016			0	0					0	0	0.014	0.014	0.003	No
121	PCB-1221		YES	0	0					0	0	0.014	0.014	0.003	No
122	PCB-1232		YES	0	0</										

Close Form

Waste Load Allocation Summary

Open FILE by
permit number

Comments included

☒ ☐ ☐ ☐

General Information

Request
Number

3361

Page 1

Information
Verified By

JJM

Receiving Stream Name

Graves Creek

Year File Was Created 1986

Previous File Name

OR: Local Name (If applicable)

Facility Name

Tyson Foods Blountsville

ID Number 1576

Previous Discharger Name

Or-AKA (includes previous file name)

12 Digit HUC Code

031601110202

River Basin

Black Warrior

County

Blount

Use Classification

F&W

Date of WLA Response 4/30/2018

Discharge Latitude

34.047848

Lat/Long Method

GPS

Discharge Longitude

-86.574361

Approved TMDL?

Site Visit Completed?

☒ Yes ☐ No

☒ ☐ ☐ ☐

Date of Site Visit

10/31/2016

Approval Date of TMDL 2/1/2002

Waterbody Impaired?

☒ Yes ☐ No

Antidegradation

☐ Yes ☒ No

Permit Information

Waterbody Tier

Tier I

Permit Number

AL0001449

Use Support Category

4A

Permit Status

Active

Other Point Sources?

☐ ☒

Type of Discharger

- ☐ Municipal
☐ Industrial
☐ Semipublic/Private
☐ Mining

Sources Included in Model

Waste Load Allocation Information

Modeled Reach Length

Miles

Date of Allocation

4/25/2018

Name of Model Used

Allocation Type

2 Seasons

Model Completed by

Type of Model Used

Allocation Developed by

Water Quality Branch

Waste Load Allocation Summary

		Conventional Parameters				Other Parameters			
Annual Effluent Limits		Qw 1.339 MGD	Qw 1.339 MGD	Qw 1.339 MGD	Qw [] MGD				
Season	Summer	Season	Winter	Season	[]				
From	May	From	Dec	From	Mar				
Through	Nov	Through	Apr	Through	Oct				
CBOD5	[]	CBOD5	4.8 mg/l	CBOD5	10.6 mg/l				
NH3-N	[]	NH3-N	1 mg/l	NH3-N	1 mg/l				
TKN	[]	TKN	2 mg/l	TKN	2 mg/l				
D.O.	[]	D.O.	6 mg/l	D.O.	6 mg/l				
		TP	0.25 mg/l	TP	[]				
		TN	[]	TN	[]				
		TSS	[]	TSS	[]				

Annual/Summer NH3-N toxicity based?: []
 Winter NH3-N toxicity based?: []

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

Water Quality Characteristics Immediately Upstream of Discharge

Parameter	Summer	Winter
CBODu	[] mg/l	[] mg/l
NH3-N	[] mg/l	[] mg/l
Temperature	[] °C	[] °C
pH	[] su	[] su

Hydrology at Discharge Location

Drainage Area Qualifier	Drainage Area	sq mi	Method Used to Calculate
Exact	Stream 7010	0 cfs	ADEM Estimate w/USGS Gage Data
	Stream 1010	0 cfs	ADEM Estimate w/USGS Gage Data
	Stream 702	0 cfs	ADEM Estimate w/USGS Gage Data
	Annual Average	18.73 cfs	ADEM Estimate w/ USACE Map

Comments and/or Notations The 2002 Graves Creek OE/DO TMDL outlined specific total allowable point source pollutant loads for both the summer season and the winter season. Effluent limits for this WLA maintain allowable total point source load, given updated flowrate of 1.339 MGD. This facility is included in the Locust Fork and Village Creek Nutrient TMDL. The TMDL assigned a total phosphorus effluent limit of 0.25 mg/l during the months of March - October.

Jackson, Scott A

Subject: RE: BLV NPDES Comment Letter.pdf

From: Hames, Rodney <Rodney.Hames2@tyson.com>
Sent: Friday, September 12, 2025 12:41 PM
To: Lounsberry, Rachel E <restanaland@adem.alabama.gov>
Subject: BLV NPDES Comment Letter.pdf

Rachel, here is the comment letter that we spoke about. Do I need to submit it by AEPACS as well?

This email and any files transmitted with it are confidential and intended solely for the use of the addressee. If you are not the intended addressee, then you have received this email in error and any use, dissemination, forwarding, printing, or copying of this email is strictly prohibited. Please notify us immediately of your unintended receipt by reply and then delete this email and your reply. Tyson Foods, Inc. and its subsidiaries and affiliates will not be held liable to any person resulting from the unintended or unauthorized use of any information contained in this email or as a result of any additions or deletions of information originally contained in this email.



September 11, 2025

Ms. Rachel Lounsberry
Alabama Department of Environmental Management
Water Quality Division
Industrial Wastewater Section
1400 Coliseum Boulevard
Montgomery, AL 36110

Ms. Lounsberry:

Tyson Farms, Inc. – Blountsville Plant (Tyson) has received and reviewed the draft of NPDES Permit AL0001449. Tyson appreciates this opportunity to comment on the draft permit before it is released for public comment. This affords all parties the opportunity to discuss concerns and possibly avoid the necessity of a public hearing.

In our review, Tyson has identified one primary area of concern – the long-term average flow rate of 0.87 mgd that we included in our reapplication needs to be updated as it is not indicative of the current flow through our system. The long-term average flow rate is used to calculate the mass loading limits for biochemical oxygen demand (BOD) and aqueous ammonia (NH₃). The following Table shows the current limits (based on a flow of 1.338 mgd) and the proposed limits in the draft permit (based on a flow of 0.87 mgd):

PARAMETER SEASON	DAILY MAX 1.338 MGD ⁽¹⁾	DAILY MAX 0.87 MGD	MONTHLY AVG. 1.338 MGD ⁽¹⁾	MONTHLY AVG. 0.87 MGD
BOD WINTER (LBS./DAY)	177.67	115.37	118.44	76.91
BOD SUMMER (LBS./DAY)	80.45	52.24	53.63	34.82
NH ₃ NOT SEASONAL (LBS./DAY)	16.76	10.88	11.17	7.26

⁽¹⁾ 1.338 mgd was the long-term average flow used for modeling in the 2020 permit renewal.

Even though the proposed concentration limits remain the same, a 35% reduction in mass loading due to the reduction in flow would cause Tyson significant concern about its ability to maintain consistent compliance with the permit going forward.

For the first seven months of 2025, the average daily flow through our system has ranged from 0.968 to 1.227 mgd. The reasons for the increase are centered around process changes, production increases, and stormwater pollution prevention flow management. When Tyson submitted the reapplication, it was Tyson's process to use an off-site third-party co-packing facility to debone the top half of the chickens (shells) and return the meat to us for further processing. Tyson has since installed an automated debone line at the plant that uses a continuous water flow to clean the knives, and Tyson now debones the shells on-site. The water use from the new debone line, estimated to be approximately 750,000 gallons/week, wasn't included in the flow data reported in the reapplication. Also, earlier this year Tyson increased the plant's kill rate by approximately 125,000 birds/week. At an estimated 7 gallons/bird, that



increase accounts for an additional 875,000 gallons/week that were not included in flow data reported in the reapplication.

Finally, Tyson's lagoons receive both direct and indirect stormwater flow, direct flow being what falls directly into the lagoons during the storm and the indirect flow being stormwater that contacts processes, materials, or potentially contaminated surfaces within the boundaries of the plant (11.6 acres) and is routed to the lagoons for treatment. An inch of rainfall accounts for an estimated 41,000 gallons of direct and indirect stormwater flow to Tyson's wastewater treatment system. The following Table shows the contribution of stormwater to our wastewater flow for the first six months of 2025:

MONTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
STORMWATER (INCHES)	2.96	4.58	5.36	6.78	7.58	7.55	1.40
ADDITIONAL WASTEWATER FLOW (MMGAL)	0.121	0.188	0.220	0.278	0.311	0.310	0.057

Because of our new processes and change to production, as well as the monthly volume of stormwater and the accompanying uncertainty of how much rainfall the plant may receive and when it might receive it, we request that ADEM update the draft permit to calculate the mass loading limits for BOD and NH_3 based on a long-term average flow rate of 1.2 mgd.

Tyson's commitment to protect the environment in the communities where we operate is core to who we are. By using a long-term average flow rate of 1.2 mgd, this would restrict BOD and NH_3 loadings to levels below the current permit – constituting a 10% reduction from the current limits.

We look forward to working with you on this permit renewal. If you need additional information or data, or clarification of the information provided in this letter, please contact Rodney Hames at Rodney.hames2@tyson.com or by phone at (205) 901-7589.

Regards,


Rodney Hames
Complex Environmental Manager
Tyson Farms, Inc.
North Alabama Complex



October 21, 2024

Ms. Rachel Lounsberry
Alabama Department of Environmental Management
Water Quality Division
Industrial Wastewater Section
1400 Coliseum Boulevard
Montgomery, AL 36110

Ms. Lounsberry:

Attached is the reapplication package for NPDES Permit AL0001449 for Tyson Farms, Inc. – Blountsville Processing Plant (hereinafter "Tyson"). The package consists of this cover letter, and EPA Forms 1, 2C, and 2F with their respective attachments, and ADEM Form 187 and its attachments, all of which are filed electronically through AEPACS. NPDES Permit AL0001449 authorizes the treatment and discharge of process wastewater from the harvesting and processing of poultry including flows from the refrigeration condensers, intermittent contaminated stormwater from outdoor industrial operations, blowdown from the operation of boilers and industrial water heaters, washdown water from cleaning outside work areas, and of sanitary sewerage from Plant restrooms and other employee use (in case of problems with the Blountsville Municipal service). In addition, Tyson operates its own wells for process and drinking water, as well as water for Plant fire protection. The potable water system consists of three wells (750 gpm each) a 660,000-gallon storage tank, water disinfection equipment, and a diesel operated fire pump. Providing our own water requires the periodic inspection, testing, and evacuation of the system as described. When the system is cleaned, tested, or evacuated the chlorinated but otherwise clean water is discharged to our wastewater treatment lagoons.

In addition to reapplying for authorization to discharge from the existing treatment processes, with this reapplication, Tyson is requesting permission to use chlorine if we experience catastrophic system failure requiring the implementation of breakpoint chlorination or if our ultraviolet (UV) disinfection unit fails. Neither of these events are expected and would be emergencies and out of normal operations. In either of these events, the use of chlorine and dechlorination chemicals would be temporary and last only as long as it takes for Tyson to bring the system back into compliance or the UV unit back on-line.

We look forward to working with you on this permit renewal. If you need additional information or data, or clarification of the information provided in this application package, please contact Rodney Hames at Rodney.hames2@tyson.com or by phone at (205) 901-7589.

Regards,

A handwritten signature in black ink, appearing to read "Isaac Howard".

Isaac Howard
Complex Manager
Tyson Farms, Inc.
North Alabama Complex

NPDES Individual Permit Mod/Reissue (Form 187) - Supplementary Information for Industrial Facilities

version 2.10

(Submission #: HQ7-6YWZ-X068S, version 1)

Digitally signed by:
AEPACS
Date: 2024.10.24 08:49:38 -05:00
Reason: Submission Data
Location: State of Alabama

Details

Submission ID HQ7-6YWZ-X068S

Form Input

General Instructions

This form should be used to submit the following permit requests for permitted Industrial Individual NPDES facilities

- Permit Transfers
- Permittee/Facility Name Changes
- Minor Modifications, for example:
 - > Frequency of monitoring or reporting modifications
 - > Changes to interim compliance dates in a schedule of compliance, not including the final compliance date.
 - > Removal of a point source outfall, provided the discharge is terminated and does not result in discharge of pollutants from other outfalls, except in accordance with permit limits.
- Major Modifications, (Any modifications not covered by minor mod's, whether Effluent Limit changes occur or not)
- Reissuances
 - Reissuance of a permit due to approaching expiration
 - Revocation and Reissuance of permit prior to its scheduled expiration

Applicable Base Fees:

- Permit Transfers and/or Permittee/Facility Name Changes
 - > \$800
- Minor Modifications (see examples above)
 - > \$3,940 (Major Sources)
 - > \$3,120 (Minor Sources)
- Major Modifications
 - > \$17,990 (Major Sources)
 - > \$5,615 (Minor Sources)
- Reissuances
 - > \$17,990 (Major Sources)
 - > \$5,615 (Minor Sources)

For assistance, please click here to determine the permit staff responsible for the site or call (334) 271-7799

Processing Information

Purpose of Application

Reissuance of Permit Due to Approaching Expiration

Please indicate if the Permittee is applying for a permit transfer and/or name change in addition to permit modification or reissuance:

None

Action Type

Reissuance

If applicable, briefly describe any proposed changes at the facility that are included in this reissuance application:

General Information

SID Permit Number (if your facility currently holds an SID permit, please provide that number below):

NONE PROVIDED

NPDES or General Permit Numbers (if applicable, please list all permit numbers):

AL0001449

Is this facility/site only applying for permit coverage for discharges from stormwater?

No

Is a new stormwater outfall being added?

No

Permit Information

Permit Number

AL0001449

Current Permittee Name

Tyson Farms Inc

Permittee

Permittee Name

Tyson Farms Inc

Mailing Address

67240 MAIN ST

Blountsville, AL

BLOUNTSVILLE, AL 35031

Per ADEM Admin. Code r. 335-6-6-.09 (1), a Responsible Official is defined as CEO, President, any position at a level of Vice President or higher, Owner, Partner, Managing Member (LLC), or ranking elected official. Please provide the contact information for the person meeting this definition.

Do NOT enter information for a person that is/will be a Duly Authorized Representative (DAR) (i.e. a person that has been delegated signatory permissions by a Responsible Official). A person that is a Duly Authorized Representative is NOT considered a RESPONSIBLE OFFICIAL.

Responsible Official

Prefix

Mr.

First Name

Kemal

Last Name

Beach

Title

VP Big Bird / Fowl

Organization Name

Tyson Farms

Phone Type

Number

Extension

Business

4792902386

Email

kemal.beach@tyson.com

Mailing Address

2200 W DON TYSON PKWY

OPPERMAN, AL 35030

Does the Responsible Official intend to delegate signatory authority for DMRs or other compliance reports to an individual as a duly authorized representative (DAR) for this site?

Yes

Pursuant to ADEM Admin. Code r. 335-6-6-.09(2), a person may ONLY be delegated signatory authority for reports if that person has responsibility for the overall operation of the regulated facility or regulated activity. Once such delegation is made, that person is considered a duly authorized representative (DAR).

Existing Permit Contacts

Affiliation Type	Contact Information	Remove?
Responsible Official,Notification Recipient	Kemal Beach, Tyson Foods, Inc.	Keep
DMR Contact	Lisa Beckham	Keep
Application Preparer,Notification Recipient,DMR Contact,Environmental Contact	Lisa Beckham, Tyson Farms	Keep
DMR Contact,Facility Contact	Rodney Harnes, Tyson Farms	Keep
Responsible Official,Notification Recipient	Stacy Miller, Tyson Farms Inc	Remove
Notification Recipient,Applicant,Permittee	Tyson Farms Inc	Keep

Duly Authorized Representative (DAR)

Duly Authorized Representative - Delegation of Signatory Authority by Responsible Official

If the permittee has not already prepared a signed and dated delegation form/letter, an optional form can be downloaded from the link below. All information should be completed along with the responsible official's signature and date signed. That signed form can be uploaded in the attachment section below titled "DAR Documentation".

[Optional Delegation of Signatory Authority Form](#)

Delegation Document for Duly Authorized Representation (DAR)

[BLV Beach Signatory Letter.pdf - 10/07/2024 12:48 PM](#)

Comment

NONE PROVIDED

Pursuant to ADEM Admin. Code r. 335-6-6-.09(2), a person may ONLY be delegated signatory authority for reports if that person has responsibility for the overall operation of the regulated facility or activity. Once such delegation is made, that person is considered a duly authorized representative (DAR).

Facility/Site Contact**Prefix**

Mrs.

First Name

Lisa

Last Name

Beckham

Title

Sr. Environmental Supervisor

Organization Name

Tyson Farms

Phone Type**Number****Extension**

Business

2054297110

Email

lisa.beckham@tyson.com

Address

67240 MAIN ST

BLOUNTSVILLE, AL 35031

DMR Contact(s) (1 of 1)**DMR Contact****Prefix**

Mr.

First Name

Rodney

Last Name

Hames

Title

Complex Environmental Manager

Phone Type**Number****Extension**

Business

2054668231

Email

rodney.hames2@tyson.com

Address

160 RICHMAN DR

PO Box 547

SNEAD, AL 35952

Applicant Business Entity Information**Address of Incorporation**

2200 W. Don Tyson Parkway

Springdale, AR 72762

Agent Designated by the Corporation for Purposes of Service

Name	Address
United Agent Group Inc.	4000 Eagle Point Corporate Drive Birmingham, AL 35242

Please provide all corporate officers

Name	Title	Address
Donnie King	President & CEO	2200 W. Don Tyson Parkway Springdale, AR 72672
Wesley Morris	Group President Poultry	2200 W. Don Tyson Parkway

001

Please click below if this discharge no longer exists or is no longer required:

NONE PROVIDED

Outfall Identifier

001

Receiving Water

Graves Creek

Does the discharge enter the named receiving water via an unnamed tributary?

Unnamed Tributary

Indicate if either of the following characteristics apply to this discharge:

Process Water commingled with Stormwater

Estimated Average Daily Flow (MGD)

1.267

Monitoring/Sampling Point Location

34.04951343972141, -86.57772587087091

Outfalls (2 of 4)

002

Please click below if this discharge no longer exists or is no longer required:

NONE PROVIDED

Outfall Identifier

002

Receiving Water

Graves Creek

Does the discharge enter the named receiving water via an unnamed tributary?

Unnamed Tributary

Indicate if either of the following characteristics apply to this discharge:

Intermittent Discharge

Estimated Average Daily Flow (MGD)

0.0022

Monitoring/Sampling Point Location

34.04978665486895, -86.57753028703309

Outfalls (3 of 4)

003

Please click below if this discharge no longer exists or is no longer required:

NONE PROVIDED

Outfall Identifier

003

Receiving Water

Does the discharge enter the named receiving water via an unnamed tributary?

Unnamed Tributary

Indicate if either of the following characteristics apply to this discharge:

Intermittent Discharge

Estimated Average Daily Flow (MGD)

0.0279

Monitoring/Sampling Point Location

34.05060593304075, -86.57684778532865

Outfalls (4 of 4)

004

Please click below if this discharge no longer exists or is no longer required:

NONE PROVIDED

Outfall Identifier

004

Receiving Water

Graves Creek

Does the discharge enter the named receiving water via an unnamed tributary?

Unnamed Tributary

Indicate if either of the following characteristics apply to this discharge:

Intermittent Discharge

Estimated Average Daily Flow (MGD)

0.0157

Monitoring/Sampling Point Location

34.05682479334370, -86.57778937781723

Process Flow Schematic with Wastewater Treatment(s), If Applicable

For an example of a process flow diagram, please use the link below.

[Figure 1: Example of Process Flow Schematic](#)

Process Flow Schematic

[BLV Line Diagram 10-18-2024.xlsx - 10/18/2024 01:10 PM](#)

Comment

NONE PROVIDED

Anti-Degradation Evaluation

Is this a new or increased discharge that began after April 3, 1991?

No

Additional Information

Do you share an outfall with another facility?

No

Current	Yes/No
Continuous Wastewater Flow Metering Equipment	Yes
Automatic Sampling Equipment	Yes

Indicate if installation automatic sampling equipment or continuous wastewater flow metering equipment planned at this facility:

Planned	Yes/No
Continuous Wastewater Flow Metering Equipment	N/A
Automatic Sampling Equipment	N/A

Please describe the equipment below:

ISCO time-weighted composite sampler (refrigerated); ISCO continuous flow monitor with totalizer.

Please attach the process schematic with sampling equipment locations.

BLV Line Diagram 9-20-2024.xlsx - 10/07/2024 01:33 PM

Comment

NONE PROVIDED

Are any process changes or expansions planned during the next three years that could alter wastewater volumes or characteristics (Consider production processes as well as air or water pollution treatment processes that may affect the discharge.)?

No

Do you use biocides, corrosion inhibitors, or chemical additives in your cooling or blowdown water?

No

Biocide/Corrosion Inhibitor Summary Sheet

NONE PROVIDED

Comment

NONE PROVIDED

Treatment

Is any form of wastewater treatment (see list below) practiced at this facility?

Yes

Treatment devices or processes used or proposed for treating wastewater or sludge (check as many as appropriate).

Air flotation

Filtration

Grease or oil separation

Other chemical treatment

Sump

Biological treatment

Chemical precipitation

Flow equalization

Other physical treatment

Rainwater diversion or storage

Screen

Other: Anaerobic Lagoons

Biological treatment type:

Anaerobic Lagoons followed aerated ditch

Grease or oil separation type:

Dissolved air flotation

Other chemical treatment:

Chemical phosphorus removal

Other physical treatment:

Sand filtration for phosphorus polishing

The EPA application forms are found on the Department's website here.

EPA Form 1

BLV General Form 1 3510-1 2024 Final with Attachments.pdf - 10/21/2024 02:31 PM
Comment
NONE PROVIDED

Additional EPA Forms (EPA Form 2C, 2D, 2E and/or 2F)

BLV FORM 2C 3510-2C Final with Attachments.pdf - 10/21/2024 02:32 PM
BLV EPA Form 2F General Info & All Outfalls Final with Attachments.pdf - 10/21/2024 02:34 PM
Comment
NONE PROVIDED

Other attachments (as needed)

BLV NPDES Reapplication Transmittal Letter.pdf - 10/21/2024 02:34 PM
Comment
NONE PROVIDED

Additional Attachments

Please attach any additional information as needed.

NONE PROVIDED
Comment
NONE PROVIDED

Application Preparer

Application Preparer

Prefix
Mr.
First Name Last Name
Rodney Hames
Title
Complex Environmental Manager
Organization Name
Tyson Farms
Phone Type Number Extension
Business 2054668231
Mobile 2059017589
Email
rodney.hames2@tyson.com
Address
160 RICHMAN DR
PO Box 547
SNEAD, AL 35952

Agreements and Signature(s)

SUBMISSION AGREEMENTS

- ☒ I am the owner of the account used to perform the electronic submission and signature.
- ☒ I have the authority to submit the data on behalf of the facility I am representing.
- ☒ I agree that providing the account credentials to sign the submission document constitutes an electronic signature equivalent to my written signature.
- ☒ I have reviewed the electronic form being submitted in its entirety, and agree to the validity and accuracy of the information contained within it to the best of my knowledge.

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

"I further certify under penalty of law that all analyses reported as less than detectable in this application or attachments thereto were performed using the EPA approved test method having the lowest detection limit for the substance tested."

NOTE: 335-6-5-.14 SIGNATORIES TO PERMIT APPLICATIONS AND REPORTS.

The application shall be signed by a responsible official, a request for variance from categorical pretreatment standards, and a category determination request shall be signed by a responsible official, as indicated below:

- *In the case of a corporation, by a principal executive officer of at least the level of vice president;*
- *In the case of a partnership, by a general partner;*
- *In the case of a sole proprietorship, by the proprietor; or*
- *In the case of a municipal, state, federal, or other public entity, by either a principal executive officer, or ranking elected official*

**Signed
By**

Rodney Hames on 10/24/2024 at 7:29 AM

Isaac Howard on 10/24/2024 at 8:44 AM

EPA Identification Number AL00868513	NPDES Permit Number AL0001449	Facility Name TYSON FARMS, INC	OMB No. 2040-0004 Expires 07/31/2026
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Form 1 NPDES		U.S. Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater GENERAL INFORMATION	
SECTION 1. ACTIVITIES REQUIRING AN NPDES PERMIT (40 CFR 122.21(F) AND (F)(1))			
Activities Requiring an NPDES Permit	1.1 Applicants Not Required to Submit Form 1		
	1.1.1	Is the facility a new or existing <u>publicly owned treatment works</u> or has your permitting authority directed you to submit Form 2A? If yes, STOP. Do NOT complete Form 1. Complete Form 2A. If the facility is also a <u>treatment works treating domestic sewage</u> , you must also complete Form 2S.	1.1.2 Is the facility a <u>sludge-only facility</u> (i.e., a facility that does not discharge wastewater to surface waters)? If yes, STOP. Do NOT complete Form 1. Complete Form 2S.
	1.2 Applicants Required to Submit Form 1		
	1.2.1	Is the facility a <u>concentrated animal feeding operation</u> or a <u>concentrated aquatic animal production facility</u> ? ☐ Yes → Complete Form 1 and Form 2B. ☒ No	1.2.2 Is the facility an <u>existing</u> manufacturing, commercial, mining, or silvicultural facility that is <u>currently discharging process wastewater</u> ? ☒ Yes → Complete Form 1 and Form 2C. ☐ No
	1.2.3	Is the facility a <u>new</u> manufacturing, commercial, mining, or silvicultural facility that has <u>not yet commenced to discharge</u> ? ☐ Yes → Complete Form 1 and Form 2D. ☒ No	1.2.4 Is the facility a <u>new or existing</u> manufacturing, commercial, mining, or silvicultural facility that <u>discharges only nonprocess wastewater</u> ? ☐ Yes → Complete Form 1 and Form 2E. ☒ No
	1.2.5	Is the facility a <u>new or existing</u> facility whose discharge is composed entirely of <u>stormwater associated with industrial activity</u> or whose discharge is composed of both <u>stormwater and non-stormwater</u> ? ☒ Yes → Complete Form 1 and Form 2F unless exempted by 40 CFR 122.26(b)(14)(x) or (b)(15). ☐ No	1.2.6 Is the facility a <u>new or existing</u> treatment works <u>treating domestic sewage</u> that discharges wastewater to surface waters? ☐ Yes → Complete Form 1, Form 2S, and any other applicable forms, as directed by your permitting authority. ☒ No
SECTION 2. NAME, MAILING ADDRESS, AND LOCATION (40 CFR 122.21(F)(2))			
Name, Mailing Address, and Location	2.1 Facility Name		
	TYSON FARMS, INC		
	2.2 EPA Identification Number		
	ALD00868513		
	2.3 Facility Contact		
Name (first and last) Lisa Beckham		Title Sr. Environmental Supervisor	Phone number (205) 429-7110
Email address lisa.beckham@tyson.com			

EPA Identification Number AL00868513	NPDES Permit Number AL0001449	Facility Name TYSON FARMS, INC	OMB No. 2040-0004 Expires 07/31/2026
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Name, Mailing Address, and Location Continued	2.4	Facility Mailing Address	
	Street or P.O. box 67240 MAIN STREET		
	City or town BLOUNTSVILLE	State AL	ZIP code 35031
	2.5	Facility Location	
	Street, route number, or other specific identifier		
	County name BLOUNT	County code (if known) 08	
	City or town Blountsville	State AL	ZIP code 35031
	SECTION 3. SIC AND NAICS CODES (40 CFR 122.21(F)(3))		
SIC and NAICS Codes	3.1	SIC Code(s)	Description (optional)
		2015	Poultry Slaughtering and Processing
	3.2	NAICS Code(s)	Description (optional)
		311615	Poultry Processing
SECTION 4. OPERATOR INFORMATION (40 CFR 122.21(F)(4))			
Operator Information	4.1	Name of Operator	
		Tyson Farms, Inc.	
	4.2	Is the name you listed in Item 4.1 also the owner? ☒ Yes ☐ No	
	4.3	Operator Status	
		☐ Public—federal ☐ Public—state ☐ Other public (specify) _____ ☒ Private ☐ Other (specify) _____	
4.4	Phone Number of Operator		

EPA Identification Number AL00868513		NPDES Permit Number AL0001449		Facility Name TYSON FARMS, INC		OMB No. 2040-0004 Expires 07/31/2026	
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Operator Information Continued	4.5	Operator Address					
	Street or P.O. Box 2200 Don Tyson Pky						
	City or town Springdale		State AR		ZIP code 72765		
	Email address of operator						

SECTION 5. INDIAN LAND (40 CFR 122.21(F)(5))

Indian Land	5.1	Is the facility located on Indian Land? ☐ Yes ☒ No					
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SECTION 6. EXISTING ENVIRONMENTAL PERMITS (40 CFR 122.21(F)(6))

Existing Environmental Permits	6.1	Existing Environmental Permits (check all that apply and print or type the corresponding permit number for each)					
	☒ NPDES (discharges to surface water)		☐ RCRA (hazardous wastes)		☐ UIC (underground injection of fluids)		
	☐ PSD (air emissions)		☐ Nonattainment program (CAA)		☐ NESHAPs (CAA)		
	☐ Ocean dumping (MPRSA)		☐ Dredge or fill (CWA Section 404)		☐ Other (specify)		

SECTION 7. MAP (40 CFR 122.21(F)(7))

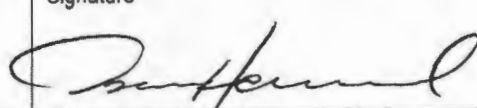
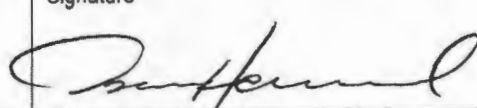
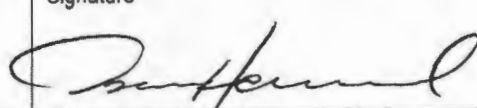
Map	7.1	Have you attached a topographic map containing all required information to this application? (See instructions for specific requirements.) ☒ Yes ☐ CAFO—Not Applicable (See requirements in Form 2B.)					
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SECTION 8. NATURE OF BUSINESS (40 CFR 122.21(F)(8))

Nature of Business	8.1	Describe the nature of your business. Live poultry are slaughtered, scalded, de-feathered, eviscerated, chilled, sized, cut up, and de-boned. Some poultry products are packaged and shipped to customers for retail sale and other products are processed into patties, strips, and nuggets which are par-fried then packaged and shipped to consumers and commercial customers.					
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SECTION 9. COOLING WATER INTAKE STRUCTURES (40 CFR 122.21(F)(9))

Cooling Water Intake Structures	9.1	Does your facility use cooling water? ☐ Yes ☐ No → SKIP to Item 10.1.					
	9.2	Identify the source of cooling water. (Note that facilities that use a cooling water intake structure as described at 40 CFR 125, Subparts I and J may have additional application requirements at 40 CFR 122.21(r). Consult with your NPDES permitting authority to determine what specific information needs to be submitted and when.)					

EPA Identification Number AL00868513	NPDES Permit Number AL0001449	Facility Name TYSON FARMS, INC	OMB No. 2040-0004 Expires 07/31/2026																												
SECTION 10. VARIANCE REQUESTS (40 CFR 122.21(F)(10))																															
Variance Requests	10.1 Do you intend to request or renew one or more of the variances authorized at 40 CFR 122.21(m)? (Check all that apply. Consult with your NPDES permitting authority to determine what information needs to be submitted and when.) <table style="width: 100%;"> <tr> <td>☐ Fundamentally different factors (CWA Section 301(n))</td> <td>☐ Water quality related effluent limitations (CWA Section 302(b)(2))</td> </tr> <tr> <td>☐ Non-conventional pollutants (CWA Section 301(c) and (g))</td> <td>☐ Thermal discharges (CWA Section 316(a))</td> </tr> <tr> <td colspan="2">☒ Not applicable</td> </tr> </table>			☐ Fundamentally different factors (CWA Section 301(n))	☐ Water quality related effluent limitations (CWA Section 302(b)(2))	☐ Non-conventional pollutants (CWA Section 301(c) and (g))	☐ Thermal discharges (CWA Section 316(a))	☒ Not applicable																							
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☐ Non-conventional pollutants (CWA Section 301(c) and (g))	☐ Thermal discharges (CWA Section 316(a))																														
☒ Not applicable																															
SECTION 11. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(A) AND (D))																															
Checklist and Certification Statement	11.1 In Column 1 below, mark the sections of Form 1 that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to provide attachments. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Column 1</th> <th style="width: 40%;">Column 2</th> </tr> </thead> <tbody> <tr> <td>☒ Section 1: Activities Requiring an NPDES Permit</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☒ Section 2: Name, Mailing Address, and Location</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☒ Section 3: SIC Codes</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☒ Section 4: Operator Information</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☒ Section 5: Indian Land</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☒ Section 6: Existing Environmental Permits</td> <td>☒ w/ attachments</td> </tr> <tr> <td>☒ Section 7: Map</td> <td>☒ w/ topographic map ☒ w/ additional attachments</td> </tr> <tr> <td>☒ Section 8: Nature of Business</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☐ Section 9: Cooling Water Intake Structures</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☐ Section 10.: Variance Requests</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☒ Section 11: Checklist and Certification Statement</td> <td>☐ w/ attachments</td> </tr> </tbody> </table> 11.2 Provide the following certification. (See instructions to determine the appropriate person to sign the application.) Certification Statement <i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Name (print or type first and last name) Isaac Howard</td> <td style="width: 40%;">Official title Complex Manager</td> </tr> <tr> <td>Signature </td> <td>Date signed 10/21/24</td> </tr> </table>			Column 1	Column 2	☒ Section 1: Activities Requiring an NPDES Permit	☐ w/ attachments	☒ Section 2: Name, Mailing Address, and Location	☐ w/ attachments	☒ Section 3: SIC Codes	☐ w/ attachments	☒ Section 4: Operator Information	☐ w/ attachments	☒ Section 5: Indian Land	☐ w/ attachments	☒ Section 6: Existing Environmental Permits	☒ w/ attachments	☒ Section 7: Map	☒ w/ topographic map ☒ w/ additional attachments	☒ Section 8: Nature of Business	☐ w/ attachments	☐ Section 9: Cooling Water Intake Structures	☐ w/ attachments	☐ Section 10.: Variance Requests	☐ w/ attachments	☒ Section 11: Checklist and Certification Statement	☐ w/ attachments	Name (print or type first and last name) Isaac Howard	Official title Complex Manager	Signature 	Date signed 10/21/24
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Name (print or type first and last name) Isaac Howard	Official title Complex Manager																														
Signature 	Date signed 10/21/24																														

EPA General Form 1 Attachments

Section 6: Environmental Permits Attachment

SECTION 6 - ALABAMA ENVIRONMENTAL PERMITS HELD BY TYSON BLOUNTSVILLE & OTHER TYSON PLANTS & SUBSIDIARIES

ISSUING AGENCY	LOCATION	PERMIT TYPE	PERMIT #	HELD BY	CURRENT STATUS
ADEM	Albertville Feed Mill	General Stormwater	ALG150014	Tyson Chicken, Inc.	Active Permit
ADEM	Albertville Feed Mill	Air	711-0029-X005	Tyson Chicken, Inc.	Active Permit
ADEM	Albertville Feed Mill	Air	711-0029-X008	Tyson Chicken, Inc.	Active Permit
ADEM	Albertville Feed Mill	Air	711-0029-X012	Tyson Chicken, Inc.	Active Permit
ADEM	Albertville Feed Mill	Air	711-0029-X013	Tyson Chicken, Inc.	Active Permit
ADEM	Albertville Feed Mill	Air	711-0029-X016	Tyson Chicken, Inc.	Active Permit
ADEM	Albertville Feed Mill	Air	711-0029-X019	Tyson Chicken, Inc.	Active Permit
ADEM	Albertville Feed Mill	Air	711-0029-X020	Tyson Chicken, Inc.	Active Permit
ADEM	Albertville Processing	NPDES Pretreatment	IU341400075	Tyson Chicken, Inc.	Active Permit
ADEM	Albertville Processing	Individual Stormwater	AL0082244	Tyson Chicken, Inc.	Active Permit
ADEM	Albertville Processing	Air	711-0059-X001	Tyson Chicken, Inc.	Active Permit
ADEM	Albertville Processing	Beneficial Use	BUG0000-006151	Tyson Chicken, Inc.	Active Permit
ADEM	Albertville Truck Shop	General Stormwater	ALG140566	Tyson Chicken, Inc.	Active Permit
ADEM	Albertville Truck Shop	Scrap Tire Class 2 Receiver	SC20000-006152	Tyson Chicken, Inc.	Active Permit
ADEM	Blountsville Processing	NPDES Wastewater / Stormwater	AL0001449	Tyson Farms, Inc.	Active Permit
ADEM	Blountsville Processing	Drinking Water (NTNC)	AL0000110	Tyson Farms, Inc.	Active Permit
ADEM	Blountsville Live Haul	UST	15043-009-002144 Tank 1 - 044322U	Tyson Farms, Inc.	Active Permit
ADEM	Cullman Blend Mill & Truck Shop	General Stormwater	ALG150007	Tyson Farms, Inc.	Active Permit
ADEM	Cullman Blend Mill & Truck Shop	Air	702-0014-X001	Tyson Farms, Inc.	Active Permit
ADEM	Cullman Blend Mill & Truck Shop	Air	702-0014-X005	Tyson Farms, Inc.	Active Permit
ADEM	Cullman Blend Mill & Truck Shop	Air	702-0014-X006	Tyson Farms, Inc.	Active Permit
ADEM	Cullman Truck Shop	Scrap Tire Class 2 Receiver	SC20000-012467	Tyson Farms, Inc.	Active Permit
ADEM	Iva Lee Feed Mill	General Stormwater	ALG150011	Tyson Farms, Inc.	Active Permit
ADEM	Iva Lee Feed Mill	Air	307-0027-X013	Tyson Farms, Inc.	Active Permit
ADEM	Iva Lee Feed Mill	Air	307-0027-X015	Tyson Farms, Inc.	Active Permit
ADEM	Iva Lee Feed Mill	Air	307-0027-X016	Tyson Farms, Inc.	Active Permit
ADEM	Iva Lee Feed Mill	Air	307-0027-X017	Tyson Farms, Inc.	Active Permit
ADEM	Iva Lee Feed Mill	Air	307-0027-X018	Tyson Farms, Inc.	Active Permit

SECTION 6 - ALABAMA ENVIRONMENTAL PERMITS HELD BY TYSON BLOUNTSVILLE & OTHER TYSON PLANTS & SUBSIDIARIES

ISSUING AGENCY	LOCATION	PERMIT TYPE	PERMIT #	HELD BY	CURRENT STATUS
ADEM	Sand Mountain Hatchery	UST	15043-095-012668 Tank 1 032948U	Tyson Farms, Inc.	Tank Temporarily Closed
ADEM	RVI Hanceville	Air	702-0010-X001	Tyson Farms, Inc.	Active Permit
ADEM	RVI Hanceville	Air	702-0010-X002	Tyson Farms, Inc.	Active Permit
ADEM	RVI Hanceville	Air	702-0010-X012	Tyson Farms, Inc.	Active Permit
ADEM	RVI Hanceville	Air	702-0010-X018	Tyson Farms, Inc.	Active Permit
ADEM	RVI Hanceville	Air	702-0010-X020	Tyson Farms, Inc.	Active Permit
ADEM	RVI Hanceville	NPDES Wastewater / Stormwater	AL0040843	River Valley Ingredients - Hanceville	Active Permit
ADECA	RVI Hanceville	Water Intake	COU37	River Valley Ingredients - Hanceville	Active Permit
ADEM	RVI Hanceville	Scrap Tire Class 2 Receiver	S0000000892	River Valley Ingredients - Hanceville	Active Permit
ADEM	RVI Hanceville	Beneficial Use	BUG0000-000892	River Valley Ingredients - Hanceville	Active Permit
ADEM	Tyson Gadsden	NPDES Pretreatment	IU352800455	Keystone Foods, LLC	Active Permit
ADEM	Tyson Gadsden	General Stormwater	ALG150157	Keystone Foods, LLC	Active Permit
ADEM	Tyson Gadsden	Air	307-0047-X002	Keystone Foods, LLC	Active Permit
ADEM	Tyson Gadsden	Beneficial Use	BUG0000-037315	Keystone Foods, LLC	Active Permit
ADEM	Eufaula Processing	NPDES Wastewater / Stormwater	AL0071285	Keystone Foods, LLC	Active Permit
ADEM	Eufaula Processing	Class V UIC	ALSI9903653	Keystone Foods, LLC	Active Permit
ADEM	Eufaula Processing	Air	601-0026-X001	Keystone Foods, LLC	Active Permit
ADEM	Eufaula Processing	Air	601-0026-X002	Keystone Foods, LLC	Active Permit
ADEM	Eufaula Processing	Air	601-0026-X003	Keystone Foods, LLC	Active Permit
ADEM	Eufaula Processing	Air	601-0026-X004	Keystone Foods, LLC	Active Permit
ADEM	Eufaula Processing	Drinking Water (NTNC)	AL0001794	Keystone Foods, LLC	Active Permit
ADECA	Eufaula Processing	Water Intake	COU #1178	Keystone Foods, LLC	Active Permit
ADEM	Banks Feed Mill	Air	210-0013-X001	Keystone Foods, LLC	Active Permit
ADEM	Banks Feed Mill	Air	210-0013-X003	Keystone Foods, LLC	Active Permit
ADEM	Banks Feed Mill	Air	210-0013-X004	Keystone Foods, LLC	Active Permit
ADEM	Banks Feed Mill	Air	210-0013-X007	Keystone Foods, LLC	Active Permit
ADEM	Banks Feed Mill	Air	210-0013-X008	Keystone Foods, LLC	Active Permit
ADEM	Banks Feed Mill	Air	210-0013-X009	Keystone Foods, LLC	Active Permit

SECTION 6 - ALABAMA ENVIRONMENTAL PERMITS HELD BY TYSON BLOUNTSVILLE & OTHER TYSON PLANTS & SUBSIDIARIES

ISSUING AGENCY	LOCATION	PERMIT TYPE	PERMIT #	HELD BY	CURRENT STATUS
ADEM	Banks Feed Mill	Air	210-0013-X010	Keystone Foods, LLC	Active Permit
ADEM	Banks Feed Mill	Air	210-0013-X011	Keystone Foods, LLC	Active Permit
ADEM	Banks Feed Mill	Air	210-0013-X014	Keystone Foods, LLC	Active Permit
ADEM	Banks Feed Mill	Air	210-0013-X016	Keystone Foods, LLC	Active Permit
ADEM	Banks Feed Mill	Class V UIC	ALSI9955545	Keystone Foods, LLC	Active Permit
ADEM	Banks Feed Mill	General Stormwater	ALG150126	Keystone Foods, LLC	Active Permit
ADEM	Eufaula Hatchery	Air	601-0026-X003	Keystone Foods, LLC	Active Permit
ADEM	Eufaula Hatchery	Air	601-0026-X004	Keystone Foods, LLC	Active Permit

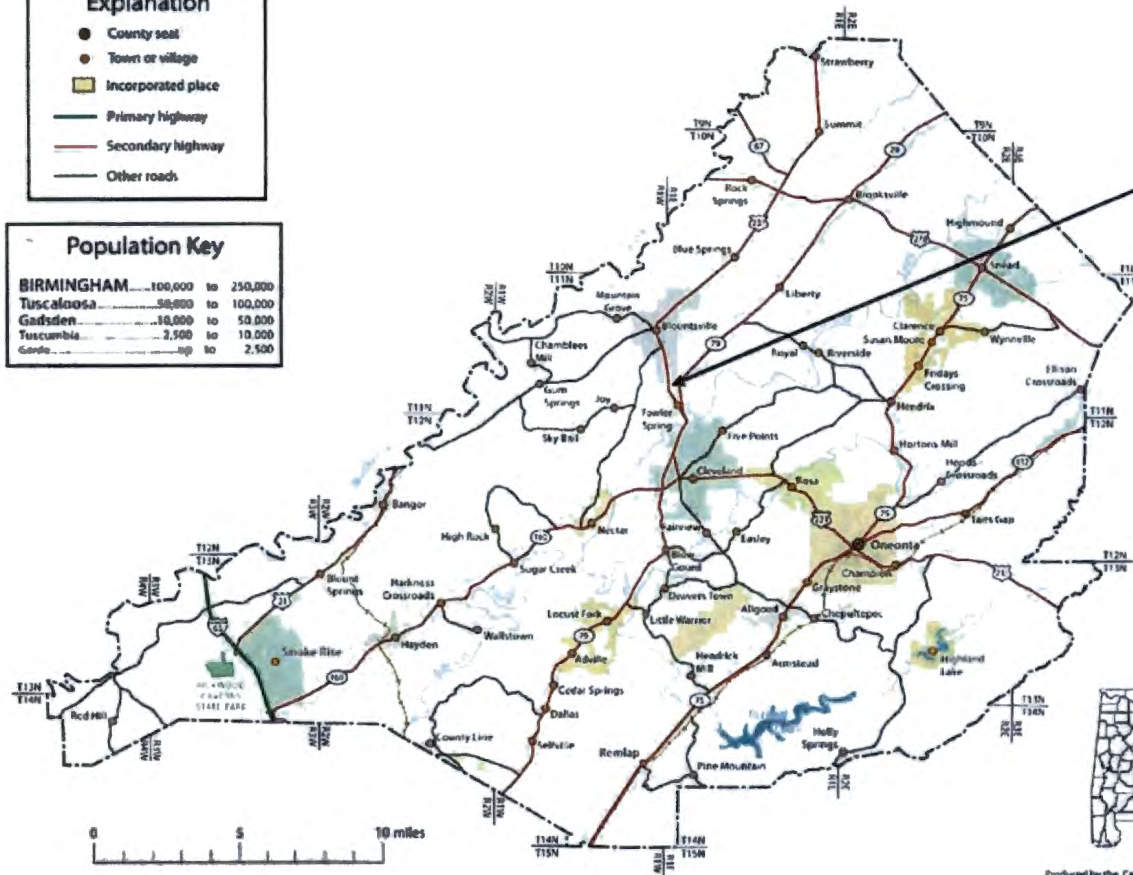
Section 7: Maps

Attachments

BLOUNT COUNTY

Explanation	
●	County seat
●	Town or village
■	Incorporated place
—	Primary highway
—	Secondary highway
—	Other roads

Population Key	
BIRMINGHAM	100,000 to 250,000
Tuscaloosa	50,000 to 100,000
Gadsden	10,000 to 50,000
Tuscumbia	2,500 to 10,000
Gordo	500 to 2,500



Tyson Farms, Inc.

Produced by the Cartographic Branch Lab
College of Arts and Sciences
The University of Alabama

Approx. Tyson Property Boundaries

Approx. boundaries based on County Tax Maps

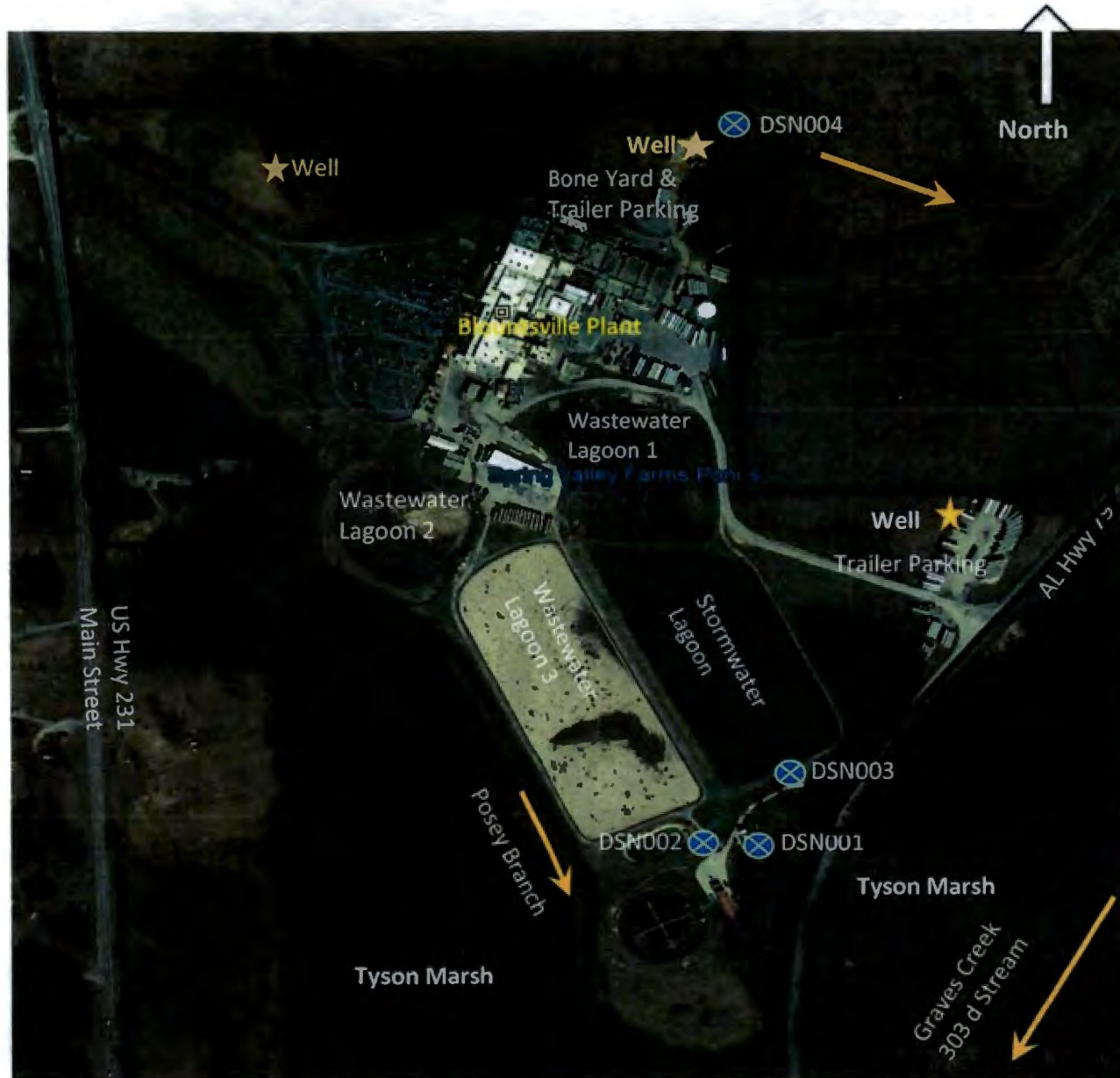
Legend

 Approx. Property Boundaries

Google Earth

Image © 2024 Airbus





-  Flow Direction
-  Outfall Locations
-  Approx. Property Line

 Tyson Water Well

Tyson Farms-Blountsville
M1 – Full Facility View
9/18/2024

Section 11: Checklist and Certification Attachment



February 15, 2023

Mr. Lance R. LeFleur
Director
Alabama Department of Environmental Management
1400 Coliseum Blvd.
Montgomery, Alabama 36110-2400

RE: Signatory Authority

The Tyson Team Members serving as the Managers listed below are hereby authorized to serve as my delegated Responsible Officials to sign reports, inspection certifications, permit applications, renewals and terminations required by permits, regulations, and compliance plans and for other information requested by the Director for the locations listed below:

Position	Legal Entity-Plant	Facility Address
Complex Manager	Tyson Chicken, Inc. – Albertville Plant	Albertville Plant 6600 Highway 431 S. Albertville, AL 35950
Complex Manager	Tyson Farms, Inc. – Blountsville Plant	Blountsville Plant 67240 Main St. Blountsville, AL 35031
Plant Manager	Tyson Chicken, Inc.-Albertville Plant	Albertville Plant 6600 Highway 431 S. Albertville, AL 35950
Plant Manager	Tyson Farms, Inc. – Blountsville Plant	Blountsville Plant 67240 Main St. Blountsville, AL 35031

If you have questions concerning this designation of authority, please contact me at 479-290-4000.

Regards,

Kemal Beach
Vice President Operations

EPA Identification Number		NPDES Permit Number AL0001449		Facility Name TYSON FARMS, INC		Form Approved 03/05/19 OMB No. 2040-0004	
Form 2C NPDES		U.S. Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURE OPERATIONS					
SECTION 1. OUTFALL LOCATION (40 CFR 122.21(g)(1))							
Outfall Location	1.1	Provide information on each of the facility's outfalls in the table below.					
	Outfall Number	Receiving Water Name	Latitude			Longitude	
	001	GRAVES CREEK	34.00°	2.00'	59.68" N	-86.00°	34.00' 38.82" W
			°	'	"	°	' "
			°	'	"	°	' "
SECTION 2. LINE DRAWING (40 CFR 122.21(g)(2))							
Line Drawing	2.1	Have you attached a line drawing to this application that shows the water flow through your facility with a water balance? (See instructions for drawing requirements. See Exhibit 2C-1 at end of instructions for example.) ☒ Yes ☐ No					
SECTION 3. AVERAGE FLOWS AND TREATMENT (40 CFR 122.21(g)(3))							
Average Flows and Treatment	3.1.	For each outfall identified under Item 1.1, provide average flow and treatment information. Add additional sheets if necessary.					
	Outfall Number 001						
	Operations Contributing to Flow						
	Operation					Average Flow	
	POULTRY PROCESSING-KILL/FURTHER PROCESSING					1.08 mgd	
	SANITARY WASTE					.025 mgd	
	STORMWATER					.157 mgd	
	BOILER BLOWDOWN					.005 mgd	
	Treatment Units						
	Description (include size, flow rate through each treatment unit, retention time, etc.)				Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge	
	SCREENING				1	J	
	ANAEROBIC TREATMENT (35 MG)				3	C	
FLOTATION				1	H		
ACTIVATED SLUDGE				3	A		

EPA Identification Number		NPDES Permit Number AL0001449		Facility Name TYSON FARMS, INC		Form Approved 03/05/19 OMB No. 2040-0004	
Average Flows and Treatment Continued	3.1 cont.	**Outfall Number** 001					
		Operations Contributing to Flow					
		Operation				Average Flow	
		POULTRY PROCESSING-KILL/FURTHER PROCESSING				1.08 mgd	
		SANITARY WASTE				0.025 mgd	
		STORMWATER				0.157 mgd	
		BOILER BLOWDOWN				0.005 mgd	
		Treatment Units					
		Description (include size, flow rate through each treatment unit, retention time, etc.)				Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge
		NITRIFICATION/DENITRIFICATION				3	D
		SEDIMENTATION				1	U
		RAPID SAND FILTRATION				1	R
		DISINFECTION-OTHER (UV)				2	H
		Outfall Number 001					
		Operations Contributing to Flow					
		Operation				Average Flow	
		POULTRY PROCESSING				1.08 mgd	
		SANITARY WASTE				0.025 mgd	
		STORMWATER				0.157 mgd	
		BOILER BLOWDOWN				0.005 mgd	
		Treatment Units					
		Description (include size, flow rate through each treatment unit, retention time, etc.)				Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge
		DISCHARGE TO SURFACE WATER				4	A
		ANAEROBIC DIGESTION				5	B
SLUDGE LAGOONS				5	T		
LAND APPLICATION				5	P		
System Users	3.2	Are you applying for an NPDES permit to operate a privately owned treatment works? ☒ Yes ☐ No → SKIP to Section 4.					
	3.3	Have you attached a list that identifies each user of the treatment works? ☐ Yes ☒ No					

EPA Identification Number	NPDES Permit Number AL0001449	Facility Name TYSON FARMS, INC	Form Approved 03/05/19 OMB No. 2040-0004
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SECTION 4. INTERMITTENT FLOWS (40 CFR 122.21(g)(4))

Intermittent Flows	4.1	Except for storm runoff, leaks, or spills, are any discharges described in Sections 1 and 3 intermittent or seasonal? ☐ Yes ☒ No → SKIP to Section 5.						
	4.2	Provide information on intermittent or seasonal flows for each applicable outfall. Attach additional pages, if necessary.						
		Outfall Number	Operation (list)	Frequency		Flow Rate		Duration
				Average Days/Week	Average Months/Year	Long-Term Average	Maximum Daily	
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days
				days/week	months/year	mgd	mgd	days

SECTION 5. PRODUCTION (40 CFR 122.21(g)(5))

Applicable ELGs	5.1	Do any effluent limitation guidelines (ELGs) promulgated by EPA under Section 304 of the CWA apply to your facility? ☒ Yes ☐ No → SKIP to Section 6.		
	5.2	Provide the following information on applicable ELGs.		
		ELG Category	ELG Subcategory	Regulatory Citation
		Meats & Poultry Products	Poultry First Processing	40 CFR Part 432 Subpart K
		Meats & Poultry Products	Poultry Further Processing	40 CFR Part 432 Subpart L

Production-Based Limitations	5.3	Are any of the applicable ELGs expressed in terms of production (or other measure of operation)? ☐ Yes ☒ No → SKIP to Section 6.			
	5.4	Provide an actual measure of daily production expressed in terms and units of applicable ELGs.			
		Outfall Number	Operation, Product, or Material	Quantity per Day	Unit of Measure
		001	Poultry First Processing	1,521,000	lbs. LWK
		001	Poultry Further Processing	1,250,000	lbs. finished prod

EPA Identification Number	NPDES Permit Number AL0001449	Facility Name TYSON FARMS, INC	Form Approved 03/05/19 OMB No. 2040-0004	
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SECTION 6. IMPROVEMENTS (40 CFR 122.21(g)(6))

Upgrades and Improvements	6.1	Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application?			
		☒ Yes ☐ No → SKIP to Item 6.3.			
	6.2	Briefly identify each applicable project in the table below.			
		Brief Identification and Description of Project	Affected Outfalls (list outfall number)	Source(s) of Discharge	Final Compliance Dates Required Projected
		Tertiary Treatment for phosphorus removal	001	Poultry Processing	04/01/2025 04/01/2025
	6.3	Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or planned? <i>(optional item)</i>			
		☐ Yes ☐ No ☒ Not applicable			

SECTION 7. EFFLUENT AND INTAKE CHARACTERISTICS (40 CFR 122.21(g)(7))

Effluent and Intake Characteristics	See the instructions to determine the pollutants and parameters you are required to monitor and, in turn, the tables you must complete. Not all applicants need to complete each table.				
	Table A. Conventional and Non-Conventional Pollutants				
	7.1	Are you requesting a waiver from your NPDES permitting authority for one or more of the Table A pollutants for any of your outfalls?			
		☐ Yes ☒ No → SKIP to Item 7.3.			
	7.2	If yes, indicate the applicable outfalls below. Attach waiver request and other required information to the application.			
		Outfall Number _____ Outfall Number _____ Outfall Number _____			
	7.3	Have you completed monitoring for all Table A pollutants at each of your outfalls for which a waiver has not been requested and attached the results to this application package?			
		☒ Yes ☐ No; a waiver has been requested from my NPDES permitting authority for all pollutants at all outfalls.			
	Table B. Toxic Metals, Cyanide, Total Phenols, and Organic Toxic Pollutants				
	7.4	Do any of the facility's processes that contribute wastewater fall into one or more of the primary industry categories listed in Exhibit 2C-3? (See end of instructions for exhibit.)			
	☐ Yes ☒ No → SKIP to Item 7.8.				
7.5	Have you checked "Testing Required" for all toxic metals, cyanide, and total phenols in Section 1 of Table B?				
	☐ Yes ☒ No				
7.6	List the applicable primary industry categories and check the boxes indicating the required GC/MS fraction(s) identified in Exhibit 2C-3.				
	Primary Industry Category	Required GC/MS Fraction(s) (Check applicable boxes.)			
		☐ Volatile	☐ Acid	☐ Base/Neutral	☐ Pesticide
		☐ Volatile	☐ Acid	☐ Base/Neutral	☐ Pesticide
		☐ Volatile	☐ Acid	☐ Base/Neutral	☐ Pesticide

EPA Identification Number	NPDES Permit Number AL0001449	Facility Name TYSON FARMS, INC	Form Approved 03/05/19 OMB No. 2040-0004
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Effluent and Intake Characteristics Continued	7.7	Have you checked "Testing Required" for all required pollutants in Sections 2 through 5 of Table B for each of the GC/MS fractions checked in Item 7.6? ☐ Yes ☒ No									
	7.8	Have you checked "Believed Present" or "Believed Absent" for all pollutants listed in Sections 1 through 5 of Table B where testing is not required? ☒ Yes ☐ No									
	7.9	Have you provided (1) quantitative data for those Section 1, Table B, pollutants for which you have indicated testing is required or (2) quantitative data or other required information for those Section 1, Table B, pollutants that you have indicated are "Believed Present" in your discharge? ☒ Yes ☐ No									
	7.10	Does the applicant qualify for a small business exemption under the criteria specified in the instructions? ☐ Yes → Note that you qualify at the top of Table B, then SKIP to Item 7.12. ☒ No									
	7.11	Have you provided (1) quantitative data for those Sections 2 through 5, Table B, pollutants for which you have determined testing is required or (2) quantitative data or an explanation for those Sections 2 through 5, Table B, pollutants you have indicated are "Believed Present" in your discharge? ☒ Yes ☐ No									
	Table C. Certain Conventional and Non-Conventional Pollutants										
	7.12	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed on Table C for all outfalls? ☒ Yes ☐ No									
	7.13	Have you completed Table C by providing (1) quantitative data for those pollutants that are limited either directly or indirectly in an ELG and/or (2) quantitative data or an explanation for those pollutants for which you have indicated "Believed Present"? ☒ Yes ☐ No									
	Table D. Certain Hazardous Substances and Asbestos										
	7.14	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table D for all outfalls? ☒ Yes ☐ No									
	7.15	Have you completed Table D by (1) describing the reasons the applicable pollutants are expected to be discharged and (2) by providing quantitative data, if available? ☐ Yes ☒ No									
	Table E. 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (2,3,7,8-TCDD)										
	7.16	Does the facility use or manufacture one or more of the 2,3,7,8-TCDD congeners listed in the instructions, or do you know or have reason to believe that TCDD is or may be present in the effluent? ☐ Yes → Complete Table E. ☒ No → SKIP to Section 8.									
	7.17	Have you completed Table E by reporting <i>qualitative</i> data for TCDD? ☐ Yes ☐ No									
SECTION 8. USED OR MANUFACTURED TOXICS (40 CFR 122.21(g)(9))											
Used or Manufactured Toxics	8.1	Is any pollutant listed in Table B a substance or a component of a substance used or manufactured at your facility as an intermediate or final product or byproduct? ☐ Yes ☒ No → SKIP to Section 9.									
	8.2	List the pollutants below. <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;">1.</td> <td style="width: 33%; border: none;">4.</td> <td style="width: 33%; border: none;">7.</td> </tr> <tr> <td style="border: none;">2.</td> <td style="border: none;">5.</td> <td style="border: none;">8.</td> </tr> <tr> <td style="border: none;">3.</td> <td style="border: none;">6.</td> <td style="border: none;">9.</td> </tr> </table>	1.	4.	7.	2.	5.	8.	3.	6.	9.
	1.	4.	7.								
	2.	5.	8.								
	3.	6.	9.								

EPA Identification Number	NPDES Permit Number AL0001449	Facility Name TYSON FARMS, INC
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Form Approved 03/05/19
OMB No. 2040-0004

SECTION 9. BIOLOGICAL TOXICITY TESTS (40 CFR 122.21(g)(11))

Biological Toxicity Tests	9.1	Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made within the last three years on (1) any of your discharges or (2) on a receiving water in relation to your discharge?		
		☒ Yes ☐ No → SKIP to Section 10.		
	9.2	Identify the tests and their purposes below.		
		Test(s)	Purpose of Test(s)	Submitted to NPDES Permitting Authority?
		TOXICITY, CERIODAPHNIA, CHRONIC	NPDES Permit Quarterly Requirement	☒ Yes ☐ No
	TOXICITY PIMEPHALES, CHRONIC	NPDES Permit Quarterly Requirement	☒ Yes ☐ No	
			☐ Yes ☐ No	

SECTION 10. CONTRACT ANALYSES (40 CFR 122.21(g)(12))

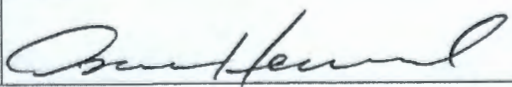
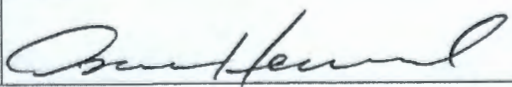
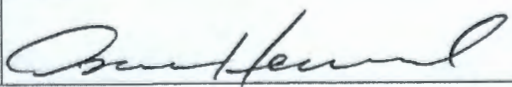
Contract Analyses	10.1	Were any of the analyses reported in Section 7 performed by a contract laboratory or consulting firm?		
		☒ Yes ☐ No → SKIP to Section 11.		
	10.2	Provide information for each contract laboratory or consulting firm below.		
			Laboratory Number 1	Laboratory Number 2
		Name of laboratory/firm	GUARDIAN SYSTEMS, INC.	
		Laboratory address	1108 ASHVILLE ROAD P.O. BOX 190 LEEDS, AL 35094	
	Phone number	(205) 699-6647		
	Pollutant(s) analyzed	BOD, TSS, NH3N, TKN, NO2/NO3, TOTAL P, O&G, COD, TOTAL NITROGEN, FECAL COLIFORM, E-COLI, CHRONIC TOXICITY		

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

Additional Information	11.1	Has the NPDES permitting authority requested additional information?	
		☐ Yes ☒ No → SKIP to Section 12.	
	11.2	List the information requested and attach it to this application.	
		1.	4.
		2.	5.
		3.	6.

EPA Identification Number	NPDES Permit Number AL0001449	Facility Name TYSON FARMS, INC	Form Approved 03/05/19 OMB No. 2040-0004
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SECTION 12. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement	12.1	In Column 1 below, mark the sections of Form 2C that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%; text-align: center;">Column 1</th> <th style="width: 60%; text-align: center;">Column 2</th> </tr> </thead> <tbody> <tr> <td>☒ Section 1: Outfall Location</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☒ Section 2: Line Drawing</td> <td>☒ w/ line drawing ☐ w/ additional attachments</td> </tr> <tr> <td>☒ Section 3: Average Flows and Treatment</td> <td>☐ w/ attachments ☐ w/ list of each user of privately owned treatment works</td> </tr> <tr> <td>☐ Section 4: Intermittent Flows</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☒ Section 5: Production</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☒ Section 6: Improvements</td> <td>☐ w/ attachments ☐ w/ optional additional sheets describing any additional pollution control plans</td> </tr> <tr> <td>☒ Section 7: Effluent and Intake Characteristics</td> <td> ☐ w/ request for a waiver and supporting information ☐ w/ small business exemption request ☒ w/ Table A ☒ w/ Table B ☒ w/ Table C ☒ w/ Table D ☒ w/ Table E ☐ w/ analytical results as an attachment </td> </tr> <tr> <td>☐ Section 8: Used or Manufactured Toxics</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☒ Section 9: Biological Toxicity Tests</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☒ Section 10: Contract Analyses</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☐ Section 11: Additional Information</td> <td>☐ w/ attachments</td> </tr> <tr> <td>☒ Section 12: Checklist and Certification Statement</td> <td>☒ w/ attachments</td> </tr> </tbody> </table>	Column 1	Column 2	☒ Section 1: Outfall Location	☐ w/ attachments	☒ Section 2: Line Drawing	☒ w/ line drawing ☐ w/ additional attachments	☒ Section 3: Average Flows and Treatment	☐ w/ attachments ☐ w/ list of each user of privately owned treatment works	☐ Section 4: Intermittent Flows	☐ w/ attachments	☒ Section 5: Production	☐ w/ attachments	☒ Section 6: Improvements	☐ w/ attachments ☐ w/ optional additional sheets describing any additional pollution control plans	☒ Section 7: Effluent and Intake Characteristics	☐ w/ request for a waiver and supporting information ☐ w/ small business exemption request ☒ w/ Table A ☒ w/ Table B ☒ w/ Table C ☒ w/ Table D ☒ w/ Table E ☐ w/ analytical results as an attachment	☐ Section 8: Used or Manufactured Toxics	☐ w/ attachments	☒ Section 9: Biological Toxicity Tests	☐ w/ attachments	☒ Section 10: Contract Analyses	☐ w/ attachments	☐ Section 11: Additional Information	☐ w/ attachments	☒ Section 12: Checklist and Certification Statement	☒ w/ attachments
	Column 1	Column 2																										
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	☒ Section 10: Contract Analyses	☐ w/ attachments																										
	☐ Section 11: Additional Information	☐ w/ attachments																										
	☒ Section 12: Checklist and Certification Statement	☒ w/ attachments																										
	12.2	Certification Statement <i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Name (print or type first and last name)</td> <td style="width: 40%;">Official title</td> </tr> <tr> <td>Isaac Howard</td> <td>Complex Manager</td> </tr> <tr> <td>Signature</td> <td>Date signed</td> </tr> <tr> <td></td> <td>10/21/24</td> </tr> </table>	Name (print or type first and last name)	Official title	Isaac Howard	Complex Manager	Signature	Date signed		10/21/24																		
Name (print or type first and last name)	Official title																											
Isaac Howard	Complex Manager																											
Signature	Date signed																											
	10/21/24																											

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EPA Identification Number	NPDES Permit Number ALD001449	Facility Name TYSON FARMS, INC	Outfall Number 001
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TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii))¹

	Pollutant	Waiver Requested (if applicable)	Units (specify)		Effluent				Intake (Optional)	
					Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
☐	Check here if you have applied to your NPDES permitting authority for a waiver for <i>all</i> of the pollutants listed on this table for the noted outfall.									
1.	Biochemical oxygen demand (BOD ₅)	☐	Concentration	mg/L	9.6	4.1	1.99	234		
			Mass	lbs./day	75.7	27.4	14.2	234		
2.	Chemical oxygen demand (COD)	☐	Concentration	mg/L	28	28	28	1		
			Mass	lbs./day	227	227	227	1		
3.	Total organic carbon (TOC)	☐	Concentration	mg/L				1		
			Mass	lbs./day				1		
4.	Total suspended solids (TSS)	☐	Concentration	mg/L	21	12	4.8	234		
			Mass	lbs./day	152	77.6	22	234		
5.	Ammonia (as N)	☐	Concentration	mg/L	1.5	.66	.224	234		
			Mass	lbs./day	14.5	3.66	1.6	234		
6.	Flow	☐	Rate	MGD	1.655	1.282	.870	1486		
7.	Temperature (winter)	☐	°C	°C	25.2	21.5	17.3	90		
	Temperature (summer)	☐	°C	°C	30.9	30.5	26.6	90		
8.	pH (minimum)	☐	Standard units	s.u.	6.5	6.5	7	234		
	pH (maximum)	☐	Standard units	s.u.	7.9	7.2	7.0	234		

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

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))

Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)		
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
☐ Check here if you qualify as a small business per the instructions to Form 2C and, therefore, do not need to submit quantitative data for any of the organic toxic pollutants in Sections 2 through 5 of this table. Note, however, that you must still indicate in the appropriate column of this table if you believe any of the pollutants listed are present in your discharge.											
Section 1. Toxic Metals, Cyanide, and Total Phenols											
1.1 Antimony, total (7440-36-0)	☐	☒	☐	Concentration	mg/l	<.001	<.002	<.001	21		
				Mass	lbs/day	<.010	<.020	<.010	21		
1.2 Arsenic, total (7440-38-2)	☐	☒	☐	Concentration	mg/l	.004	.002	.001	21		
				Mass	lbs/day	.030	.008	.002	21		
1.3 Beryllium, total (7440-41-7)	☐	☒	☐	Concentration	mg/l	<.001	<.001	<.004	21		
				Mass	lbs/day	<.010	<.010	<.010	21		
1.4 Cadmium, total (7440-43-9)	☐	☒	☐	Concentration	mg/l	<.020	<.010	<.020	21		
				Mass	lbs/day	<.180	<.17	<.18	21		
1.5 Chromium, total (7440-47-3)	☐	☒	☐	Concentration	mg/l	<.02	<.02	<.014	21		
				Mass	lbs/day	<.18	<.17	<.131	21		
1.6 Copper, total (7440-50-8)	☐	☒	☐	Concentration	mg/l	<.39	<.14	<.028	21		
				Mass	lbs/day	<3.06	<1.12	<.277	21		
1.7 Lead, total (7439-92-1)	☐	☒	☐	Concentration	mg/l	<.006	<.003	<.001	21		
				Mass	lbs/day	<.060	<.030	<.012	21		
1.8 Mercury, total (7439-97-6)	☐	☒	☐	Concentration	mg/l	<.001	<.001	<.001	21		
				Mass	lbs/day	<.010	<.010	<.009	21		
1.9 Nickel, total (7440-02-0)	☐	☒	☐	Concentration	mg/l	<.090	<.031	<.005	21		
				Mass	lbs/day	<.520	<.018	<.046	21		
1.10 Selenium, total (7782-49-2)	☐	☒	☐	Concentration	mg/l	<.008	<.005	<.003	21		
				Mass	lbs/day	<.060	<.04	<.024	21		
1.11 Silver, total (7440-22-4)	☐	☒	☐	Concentration	mg/l	<.001	<.001	<.001	21		
				Mass	lbs/day	<.010	<.010	<.009	21		

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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
1.12	Thallium, total (7440-28-0)	☐	☒	☐	Concentration	mg/l	<.003	<.002	<.001	21	
					Mass	lbs/day	<.020	<.013	<.010	21	
1.13	Zinc, total (7440-66-6)	☐	☒	☐	Concentration	mg/l	<.410	<.157	<.034	21	
					Mass	lbs/day	<3.22	<1.23	<.347	21	
1.14	Cyanide, total (57-12-5)	☐	☐	☒	Concentration						
					Mass						
1.15	Phenols, total	☐	☐	☒	Concentration						
					Mass						

Section 2. Organic Toxic Pollutants (GC/MS Fraction—Volatile Compounds)

2.1	Acrolein (107-02-8)	☐	☐	☒	Concentration						
					Mass						
2.2	Acrylonitrile (107-13-1)	☐	☐	☒	Concentration						
					Mass						
2.3	Benzene (71-43-2)	☐	☐	☒	Concentration						
					Mass						
2.4	Bromoform (75-25-2)	☐	☐	☒	Concentration						
					Mass						
2.5	Carbon tetrachloride (56-23-5)	☐	☐	☒	Concentration						
					Mass						
2.6	Chlorobenzene (108-90-7)	☐	☐	☒	Concentration						
					Mass						
2.7	Chlorodibromomethane (124-48-1)	☐	☐	☒	Concentration						
					Mass						
2.8	Chloroethane (75-00-3)	☐	☐	☒	Concentration						
					Mass						

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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.9	2-chloroethylvinyl ether (110-75-8)	☐	☐	☒	Concentration						
					Mass						
2.10	Chloroform (67-66-3)	☐	☐	☒	Concentration						
					Mass						
2.11	Dichlorobromomethane (75-27-4)	☐	☐	☒	Concentration						
					Mass						
2.12	1,1-dichloroethane (75-34-3)	☐	☐	☒	Concentration						
					Mass						
2.13	1,2-dichloroethane (107-06-2)	☐	☐	☒	Concentration						
					Mass						
2.14	1,1-dichloroethylene (75-35-4)	☐	☐	☒	Concentration						
					Mass						
2.15	1,2-dichloropropane (78-87-5)	☐	☐	☒	Concentration						
					Mass						
2.16	1,3-dichloropropylene (542-75-6)	☐	☐	☒	Concentration						
					Mass						
2.17	Ethylbenzene (100-41-4)	☐	☐	☒	Concentration						
					Mass						
2.18	Methyl bromide (74-83-9)	☐	☐	☒	Concentration						
					Mass						
2.19	Methyl chloride (74-87-3)	☐	☐	☒	Concentration						
					Mass						
2.20	Methylene chloride (75-09-2)	☐	☐	☒	Concentration						
					Mass						
2.21	1,1,2,2-tetrachloroethane (79-34-5)	☐	☐	☒	Concentration						
					Mass						

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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.22	Tetrachloroethylene (127-18-4)	☐	☐	☒	Concentration						
					Mass						
2.23	Toluene (108-88-3)	☐	☐	☒	Concentration						
					Mass						
2.24	1,2-trans-dichloroethylene (156-60-5)	☐	☐	☒	Concentration						
					Mass						
2.25	1,1,1-trichloroethane (71-55-6)	☐	☐	☒	Concentration						
					Mass						
2.26	1,1,2-trichloroethane (79-00-5)	☐	☐	☒	Concentration						
					Mass						
2.27	Trichloroethylene (79-01-6)	☐	☐	☒	Concentration						
					Mass						
2.28	Vinyl chloride (75-01-4)	☐	☐	☒	Concentration						
					Mass						
Section 3. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)											
3.1	2-chlorophenol (95-57-8)	☐	☐	☒	Concentration						
					Mass						
3.2	2,4-dichlorophenol (120-83-2)	☐	☐	☒	Concentration						
					Mass						
3.3	2,4-dimethylphenol (105-67-9)	☐	☐	☒	Concentration						
					Mass						
3.4	4,6-dinitro-o-cresol (534-52-1)	☐	☐	☒	Concentration						
					Mass						
3.5	2,4-dinitrophenol (51-28-5)	☐	☐	☒	Concentration						
					Mass						

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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
3.6	2-nitrophenol (88-75-5)	☐	☐	☒	Concentration							
					Mass							
3.7	4-nitrophenol (100-02-7)	☐	☐	☒	Concentration							
					Mass							
3.8	p-chloro-m-cresol (59-50-7)	☐	☐	☒	Concentration							
					Mass							
3.9	Pentachlorophenol (87-86-5)	☐	☐	☒	Concentration							
					Mass							
3.10	Phenol (108-95-2)	☐	☐	☒	Concentration							
					Mass							
3.11	2,4,6-trichlorophenol (88-05-2)	☐	☐	☒	Concentration							
					Mass							
Section 4. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)												
4.1	Acenaphthene (83-32-9)	☐	☐	☒	Concentration							
					Mass							
4.2	Acenaphthylene (208-96-8)	☐	☐	☒	Concentration							
					Mass							
4.3	Anthracene (120-12-7)	☐	☐	☒	Concentration							
					Mass							
4.4	Benzidine (92-87-5)	☐	☐	☒	Concentration							
					Mass							
4.5	Benzo (a) anthracene (56-55-3)	☐	☐	☒	Concentration							
					Mass							
4.6	Benzo (a) pyrene (50-32-8)	☐	☐	☒	Concentration							
					Mass							

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	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7	3,4-benzofluoranthene (205-99-2)	☐	☐	☒	Concentration						
					Mass						
4.8	Benzo (ghi) perylene (191-24-2)	☐	☐	☒	Concentration						
					Mass						
4.9	Benzo (k) fluoranthene (207-08-9)	☐	☐	☒	Concentration						
					Mass						
4.10	Bis (2-chloroethoxy) methane (111-91-1)	☐	☐	☒	Concentration						
					Mass						
4.11	Bis (2-chloroethyl) ether (111-44-4)	☐	☐	☒	Concentration						
					Mass						
4.12	Bis (2-chloroisopropyl) ether (102-80-1)	☐	☐	☒	Concentration						
					Mass						
4.13	Bis (2-ethylhexyl) phthalate (117-81-7)	☐	☐	☒	Concentration						
					Mass						
4.14	4-bromophenyl phenyl ether (101-55-3)	☐	☐	☒	Concentration						
					Mass						
4.15	Butyl benzyl phthalate (85-68-7)	☐	☐	☒	Concentration						
					Mass						
4.16	2-chloronaphthalene (91-58-7)	☐	☐	☒	Concentration						
					Mass						
4.17	4-chlorophenyl phenyl ether (7005-72-3)	☐	☐	☒	Concentration						
					Mass						
4.18	Chrysene (218-01-9)	☐	☐	☒	Concentration						
					Mass						
4.19	Dibenzo (a,h) anthracene (53-70-3)	☐	☐	☒	Concentration						
					Mass						

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

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.20	1,2-dichlorobenzene (95-50-1)	☐	☐	☒	Concentration						
					Mass						
4.21	1,3-dichlorobenzene (541-73-1)	☐	☐	☒	Concentration						
					Mass						
4.22	1,4-dichlorobenzene (106-46-7)	☐	☐	☒	Concentration						
					Mass						
4.23	3,3-dichlorobenzidine (91-94-1)	☐	☐	☒	Concentration						
					Mass						
4.24	Diethyl phthalate (84-66-2)	☐	☐	☒	Concentration						
					Mass						
4.25	Dimethyl phthalate (131-11-3)	☐	☐	☒	Concentration						
					Mass						
4.26	Di-n-butyl phthalate (84-74-2)	☐	☐	☒	Concentration						
					Mass						
4.27	2,4-dinitrotoluene (121-14-2)	☐	☐	☒	Concentration						
					Mass						
4.28	2,6-dinitrotoluene (606-20-2)	☐	☐	☒	Concentration						
					Mass						
4.29	Di-n-octyl phthalate (117-84-0)	☐	☐	☒	Concentration						
					Mass						
4.30	1,2-Diphenylhydrazine (as azobenzene) (122-66-7)	☐	☐	☒	Concentration						
					Mass						
4.31	Fluoranthene (206-44-0)	☐	☐	☒	Concentration						
					Mass						
4.32	Fluorene (86-73-7)	☐	☐	☒	Concentration						
					Mass						

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

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)		
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses	
4.33	Hexachlorobenzene (118-74-1)	☐	☐	☒	Concentration							
					Mass							
4.34	Hexachlorobutadiene (87-68-3)	☐	☐	☒	Concentration							
					Mass							
4.35	Hexachlorocyclopentadiene (77-47-4)	☐	☐	☒	Concentration							
					Mass							
4.36	Hexachloroethane (67-72-1)	☐	☐	☒	Concentration							
					Mass							
4.37	Indeno (1,2,3-cd) pyrene (193-39-5)	☐	☐	☒	Concentration							
					Mass							
4.38	Isophorone (78-59-1)	☐	☐	☒	Concentration							
					Mass							
4.39	Naphthalene (91-20-3)	☐	☐	☒	Concentration							
					Mass							
4.40	Nitrobenzene (98-95-3)	☐	☐	☒	Concentration							
					Mass							
4.41	N-nitrosodimethylamine (62-75-9)	☐	☐	☒	Concentration							
					Mass							
4.42	N-nitrosodi-n-propylamine (621-64-7)	☐	☐	☒	Concentration							
					Mass							
4.43	N-nitrosodiphenylamine (86-30-6)	☐	☐	☒	Concentration							
					Mass							
4.44	Phenanthrene (85-01-8)	☐	☐	☒	Concentration							
					Mass							
4.45	Pyrene (129-00-0)	☐	☐	☒	Concentration							
					Mass							

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

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.46	1,2,4-trichlorobenzene (120-82-1)	☐	☐	☒	Concentration Mass						
Section 5. Organic Toxic Pollutants (GC/MS Fraction—Pesticides)											
5.1	Aldrin (309-00-2)	☐	☐	☒	Concentration Mass						
5.2	α-BHC (319-84-6)	☐	☐	☒	Concentration Mass						
5.3	β-BHC (319-85-7)	☐	☐	☒	Concentration Mass						
5.4	γ-BHC (58-89-9)	☐	☐	☒	Concentration Mass						
5.5	δ-BHC (319-86-8)	☐	☐	☒	Concentration Mass						
5.6	Chlordane (57-74-9)	☐	☐	☒	Concentration Mass						
5.7	4,4'-DDT (50-29-3)	☐	☐	☒	Concentration Mass						
5.8	4,4'-DDE (72-55-9)	☐	☐	☒	Concentration Mass						
5.9	4,4'-DDD (72-54-8)	☐	☐	☒	Concentration Mass						
5.10	Dieldrin (60-57-1)	☐	☐	☒	Concentration Mass						
5.11	α-endosulfan (115-29-7)	☐	☐	☒	Concentration Mass						

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TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))'

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)	
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.12	β-endosulfan (115-29-7)	☐	☐	☒	Concentration						
					Mass						
5.13	Endosulfan sulfate (1031-07-8)	☐	☐	☒	Concentration						
					Mass						
5.14	Endrin (72-20-8)	☐	☐	☒	Concentration						
					Mass						
5.15	Endrin aldehyde (7421-93-4)	☐	☐	☒	Concentration						
					Mass						
5.16	Heptachlor (76-44-8)	☐	☐	☒	Concentration						
					Mass						
5.17	Heptachlor epoxide (1024-57-3)	☐	☐	☒	Concentration						
					Mass						
5.18	PCB-1242 (53469-21-9)	☐	☐	☒	Concentration						
					Mass						
5.19	PCB-1254 (11097-69-1)	☐	☐	☒	Concentration						
					Mass						
5.20	PCB-1221 (11104-28-2)	☐	☐	☒	Concentration						
					Mass						
5.21	PCB-1232 (11141-16-5)	☐	☐	☒	Concentration						
					Mass						
5.22	PCB-1248 (12672-29-6)	☐	☐	☒	Concentration						
					Mass						
5.23	PCB-1260 (11096-82-5)	☐	☐	☒	Concentration						
					Mass						
5.24	PCB-1016 (12674-11-2)	☐	☐	☒	Concentration						
					Mass						

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

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)	Effluent				Intake (optional)		
			Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
5.25	Toxaphene (8001-35-2)	☐	☐	☒	Concentration							
					Mass							

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

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TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
☐ Check here if you believe all pollutants on Table C to be present in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for each pollutant.									
☐ Check here if you believe all pollutants on Table C to be absent in your discharge from the noted outfall. You need <i>not</i> complete the "Presence or Absence" column of Table C for each pollutant.									
1. Bromide (24959-67-9)	☐	☒	Concentration						
			Mass						
2. Chlorine, total residual	☐	☒	Concentration						
			Mass						
3. Color	☐	☒	Concentration						
			Mass						
4. Fecal coliform	☒	☐	Concentration	per/100m	100	25	4.4	234	
			Mass	lbs	662	166	28.8	234	
5. Fluoride (16984-48-8)	☐	☒	Concentration						
			Mass						
6. Nitrate-nitrite	☒	☐	Concentration	mg/l	107	98.5	72	234	
			Mass	lbs/day	963	773	525	234	
7. Nitrogen, total organic (as N)	☒	☐	Concentration	mg/l	139	99.8	74.6	234	
			Mass	lbs/day	900	832	860	234	
8. Oil and grease	☒	☐	Concentration	mg/l	14	7.3	5.0	234	
			Mass	lbs/day	160	289	35.8	234	
9. Phosphorus (as P), total (7723-14-0)	☒	☐	Concentration	mg/l	3.37	1.75	.63	234	
			Mass	lbs/day	24.0	10.8	4.12	234	
10. Sulfate (as SO ₄) (14808-79-8)	☒	☐	Concentration	mg/l	206	146	110	21	
			Mass	lbs/day	1247	1037	763	21	
11. Sulfide (as S)	☒	☐	Concentration	mg/l				1	
			Mass	lbs/day				1	

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TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

	Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
		Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
12.	Sulfite (as SO ₃) (14265-45-3)	☐	☒	Concentration						
				Mass						
13.	Surfactants	☐	☒	Concentration						
				Mass						
14.	Aluminum, total (7429-90-5)	☒	☐	Concentration	mg/l	1.1	.70	.364	21	
				Mass	lbs/day	7.79	4.85	2.61	21	
15.	Barium, total (7440-39-3)	☐	☒	Concentration	mg/l	<.001	<.001	<.001	21	
				Mass	lbs/day	<.010	<.010	<.010	21	
16.	Boron, total (7440-42-8)	☐	☒	Concentration						
				Mass						
17.	Cobalt, total (7440-48-4)	☒	☐	Concentration	mg/l	<.010	<.010	<.010	5	
				Mass	lbs/day	<0.070	<.070	<0.70	5	
18.	Iron, total (7439-89-6)	☒	☐	Concentration	mg/l	<.050	<.050	<.050	21	
				Mass	lbs/day	<.460	<.437	<.346	21	
19.	Magnesium, total (7439-95-4)	☒	☐	Concentration	mg/l					
				Mass	lbs/day					
20.	Molybdenum, total (7439-98-7)	☒	☐	Concentration	mg/l					
				Mass	lbs/day					
21.	Manganese, total (7439-96-5)	☒	☐	Concentration	mg/l	<.020	<.020	<.014	21	
				Mass	lbs/day	<.180	<.17	<.139	21	
22.	Tin, total (7440-31-5)	☒	☐	Concentration	ug/l	<.001	<.001	<.001	21	
				Mass	lbs/day	<.010	<.010	<.009	21	
23.	Titanium, total (7440-32-6)	☐	☒	Concentration						
				Mass						

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TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))¹

Pollutant	Presence or Absence (check one)		Units (specify)	Effluent				Intake (Optional)	
	Believed Present	Believed Absent		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
24. Radioactivity									
Alpha, total	☐	☒	Concentration						
			Mass						
Beta, total	☐	☒	Concentration						
			Mass						
Radium, total	☐	☒	Concentration						
			Mass						
Radium 226, total	☐	☒	Concentration						
			Mass						

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

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
1.	Asbestos	☐	☒		
2.	Acetaldehyde	☐	☒		
3.	Allyl alcohol	☐	☒		
4.	Allyl chloride	☐	☒		
5.	Amyl acetate	☐	☒		
6.	Aniline	☐	☒		
7.	Benzonitrile	☐	☒		
8.	Benzyl chloride	☐	☒		
9.	Butyl acetate	☐	☒		
10.	Butylamine	☐	☒		
11.	Captan	☐	☒		
12.	Carbaryl	☐	☒		
13.	Carbofuran	☐	☒		
14.	Carbon disulfide	☐	☒		
15.	Chlorpyrifos	☐	☒		
16.	Coumaphos	☐	☒		
17.	Cresol	☐	☒		
18.	Crotonaldehyde	☐	☒		
19.	Cyclohexane	☐	☒		

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
20.	2,4-D (2,4-dichlorophenoxyacetic acid)	☐	☒		
21.	Diazinon	☐	☒		
22.	Dicamba	☐	☒		
23.	Dichlobenil	☐	☒		
24.	Dichlone	☐	☒		
25.	2,2-dichloropropionic acid	☐	☒		
26.	Dichlorvos	☐	☒		
27.	Diethyl amine	☐	☒		
28.	Dimethyl amine	☐	☒		
29.	Dinitrobenzene	☐	☒		
30.	Diquat	☐	☒		
31.	Disulfoton	☐	☒		
32.	Diuron	☐	☒		
33.	Epichlorohydrin	☐	☒		
34.	Ethion	☐	☒		
35.	Ethylene diamine	☐	☒		
36.	Ethylene dibromide	☐	☒		
37.	Formaldehyde	☐	☒		
38.	Furfural	☐	☒		

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
39.	Guthion	☐	☒		
40.	Isoprene	☐	☒		
41.	Isopropanolamine	☐	☒		
42.	Kelthane	☐	☒		
43.	Kepone	☐	☒		
44.	Malathion	☐	☒		
45.	Mercaptodimethur	☐	☒		
46.	Methoxychlor	☐	☒		
47.	Methyl mercaptan	☐	☒		
48.	Methyl methacrylate	☐	☒		
49.	Methyl parathion	☐	☒		
50.	Mevinphos	☐	☒		
51.	Mexacarbate	☐	☒		
52.	Monoethyl amine	☐	☒		
53.	Monomethyl amine	☐	☒		
54.	Naled	☐	☒		
55.	Naphthenic acid	☐	☒		
56.	Nitrotoluene	☐	☒		
57.	Parathion	☐	☒		

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
58.	Phenolsulfonate	☐	☒		
59.	Phosgene	☐	☒		
60.	Propargite	☐	☒		
61.	Propylene oxide	☐	☒		
62.	Pyrethrins	☐	☒		
63.	Quinoline	☐	☒		
64.	Resorcinol	☐	☒		
65.	Strontium	☐	☒		
66.	Strychnine	☐	☒		
67.	Styrene	☐	☒		
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	☐	☒		
69.	TDE (tetrachlorodiphenyl ethane)	☐	☒		
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]	☐	☒		
71.	Trichlorofon	☐	☒		
72.	Triethanolamine	☐	☒		
73.	Triethylamine	☐	☒		
74.	Trimethylamine	☐	☒		
75.	Uranium	☐	☒		
76.	Vanadium	☐	☒		

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))¹

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
77.	Vinyl acetate	☐	☒		
78.	Xylene	☐	☒		
79.	Xylenol	☐	☒		
80.	Zirconium	☐	☒		

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

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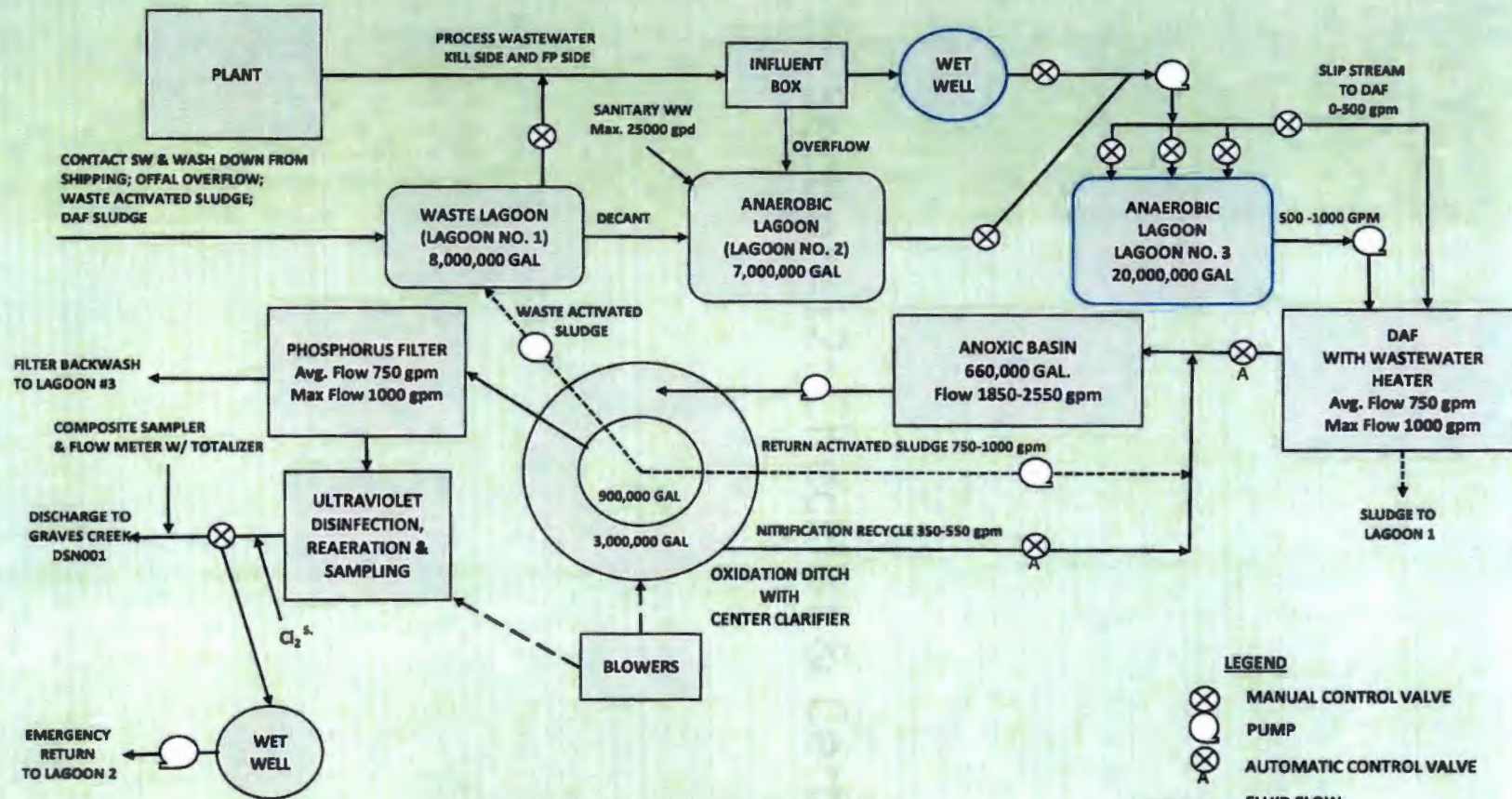
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TABLE E. 2,3,7,8 TETRACHLORODIBENZO P DIOXIN (2,3,7,8 TCDD) (40 CFR 122.21(g)(7)(viii))

Pollutant	TCDD Congeners Used or Manufactured	Presence or Absence (check one)		Results of Screening Procedure
		Believed Present	Believed Absent	
2,3,7,8-TCDD	☐	☐	☒	

EPA Form 2C Attachments

Section 2: Line Drawing



**TYSON FARMS, INC. - BLOUNTSVILLE PROCESSING
WASTEWATER TREATMENT PROCESS SCHEMATIC WITH DAF & FILTER
NPDES PERMIT AL0001449**

Notes:

1. An emergency return to Lagoon 2 from the disinfection unit will shut down the discharge to Graves Creek.
2. Where a pump or valve is shown, there may be multiple units actually in the system for redundancy and capacity.
3. Each pump shown is equipped with isolation valves that are not shown on the process diagram.
4. Phosphorus Filter will be operational on or before 4/1/2025.
5. Permission has been requested to Chlorinate in the event of a catastrophic system failure requiring break point chlorination or in the event that the UV unit fails.

Last Revised
10-18-2024

EPA Identification Number	NPDES Permit Number AL0001449	Facility Name TYSON FARMS, INC.	OMB No. 2040-0004 Expires 07/31/2026	
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Form 2F NPDES		U.S Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY
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SECTION 1. OUTFALL LOCATION (40 CFR 122.21(G)(1))

Outfall Location	1.1	Provide information on each of the facility's outfalls in the table below		
	Outfall Number	Receiving Water Name	Latitude	Longitude
	DSN002	Unnamed Tributary to	34.00 2.00' 59.77"	86.00 34.00' 39.88"
	DSN003	Unnamed Tributary to	34.00 3.00' 1.09"	86.00 34.00' 38.75"
	DSN004	Unnamed Tributary to	34.00 3.00' 24.60"	86.00 34.00' 39.20"

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

Improvements	2.1	Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application?			
	☒ Yes ☐ No → SKIP to Section 3.				
	2.2	Briefly identify each applicable project in the table below.			
	Brief Identification and Description of Project	Affected Outfalls (list outfall numbers)	Source(s) of Discharge	Final Compliance Dates	
				Required	Projected
	Construction of phosphorus filter to meet 0.25 mg/L limit during the term of the current permit. Once constructed the filter will not impact either outfall.	002, 003	Stormwater from construction area. Disturbed area is < 1 acre but it is adjacent to both stormwater outfalls.	4/1/25	4/1/25

2.3	Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or planned? (optional item)
☐ Yes ☒ No	

EPA Identification Number	NPDES Permit Number	Facility Name
	AL0001449	TYSON FARMS, INC.

OMB No. 2040-0004
Expires 07/31/2026

SECTION 3. SITE DRAINAGE MAP (40 CFR 122.26(C)(1)(I)(A))

Site Drainage Map	<u>3.1</u>	Have you attached a site drainage map containing all required information to this application? (See instructions for specific guidance.)
	☒	Yes

SECTION 4. POLLUTANT SOURCES (40 CFR 122.26(C)(1)(I)(B))

Pollutant Sources	<u>4.1</u>	Provide information on the facility's pollutant sources in the table below.																											
		Outfall Number	Impervious Surface Area (within a mile radius of the facility)	Total Surface Area Drained (within a mile radius of the facility)																									
		DSN002	17,000	specify units sq ft	42,367 specify units sq ft																								
		DSN003	38,000	specify units sq ft	694,098 specify units sq ft																								
		DSN004	124,250	specify units sq ft	389,805 specify units sq ft																								
				specify units	specify units																								
				specify units	specify units																								
				specify units	specify units																								
		<u>4.2</u>	Provide a narrative description of the facility's significant material in the space below. (See instructions for content requirements.) -Virgin cooking oil bulk oil storage inside secondary containment: Spillage inside containment is pumped to waste treatment system. Spillage/runoff outside containment is bermed and pumped to wastewater treatment system - 5600 gallon magnesium hydroxide tank inside containment, 6500 gallon double-walled aluminum sulfate tank, 6000 gallon double-walled Sodium aluminate tank, 6000 gallon double-walled glycerin tank. All tanks are equipped with high level alarms to prevent overflow, and double-walled tanks are equipped with interstitial monitoring systems and alarms.																										
	<u>4.3</u>	Provide the location and a description of existing structural and non-structural control measures to reduce pollutants in stormwater runoff. (See instructions for specific guidance.) <table border="1"> <thead> <tr> <th colspan="3">Stormwater Treatment</th> </tr> <tr> <th>Outfall Number</th> <th>Control Measures and Treatment</th> <th>Codes from Exhibit 2F-1 (list)</th> </tr> </thead> <tbody> <tr> <td>DSN002</td> <td>BMP measures in place under SWPP and SPCC plans to minimize exposure to storm-</td> <td>4A</td> </tr> <tr> <td></td> <td>water discharge.</td> <td></td> </tr> <tr> <td>DSN003</td> <td>BMP measures in place under SWPP and SPCC plans to minimize exposure to</td> <td>4A</td> </tr> <tr> <td></td> <td>stormwater and 10 MMG stormwater lagoon.</td> <td></td> </tr> <tr> <td>DSN004</td> <td>Grass Buffer zone and BMP measures in SWPP and SPCC plans to minimize exposure of</td> <td>4A</td> </tr> <tr> <td></td> <td>stormwater to pollutants</td> <td></td> </tr> </tbody> </table>				Stormwater Treatment			Outfall Number	Control Measures and Treatment	Codes from Exhibit 2F-1 (list)	DSN002	BMP measures in place under SWPP and SPCC plans to minimize exposure to storm-	4A		water discharge.		DSN003	BMP measures in place under SWPP and SPCC plans to minimize exposure to	4A		stormwater and 10 MMG stormwater lagoon.		DSN004	Grass Buffer zone and BMP measures in SWPP and SPCC plans to minimize exposure of	4A		stormwater to pollutants	
Stormwater Treatment																													
Outfall Number	Control Measures and Treatment	Codes from Exhibit 2F-1 (list)																											
DSN002	BMP measures in place under SWPP and SPCC plans to minimize exposure to storm-	4A																											
	water discharge.																												
DSN003	BMP measures in place under SWPP and SPCC plans to minimize exposure to	4A																											
	stormwater and 10 MMG stormwater lagoon.																												
DSN004	Grass Buffer zone and BMP measures in SWPP and SPCC plans to minimize exposure of	4A																											
	stormwater to pollutants																												

EPA Identification Number	NPDES Permit Number	Facility Name
	AL0001449	TYSON FARMS, INC.

OMB No. 2040-0004
Expires 07/31/2026

SECTION 5. NON STORMWATER DISCHARGES (40 CFR 122.26(C)(1)(I)(C))

Non-Stormwater Discharges	5.1	Provide the following certification. (See instructions to determine the appropriate person to sign the application.) <i>I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-stormwater discharges. Moreover, I certify that the outfalls identified as having non-stormwater discharges are described in either an accompanying NPDES Form 2C, 2D, or 2E application.</i>			
		Name (print or type first and last name)		Official title	
		Signature		Date signed	
	5.2	Provide the testing information requested in the table below.			
		Outfall Number	Description of Testing Method Used	Date(s) of Testing	Onsite Drainage Points Directly Observed During Test
		DSN002	Visual observation during dry weather conditions.	09/20/2024	DSN002
		DSN003	Visual observation during dry weather conditions	09/20/2024	DSN003
		DSN004	Visual observation during dry weather conditions	09/20/2024	DSN004

SECTION 6. SIGNIFICANT LEAKS OR SPILLS (40 CFR 122.26(C)(1)(I)(D))

Significant Leaks or Spills	6.1	Describe any significant leaks or spills of toxic or hazardous pollutants in the last three years. 4/29/23: Approximately 4,700 gallons of industrial grade glycerin spilled from bulk tank. 1200 gallons was absorbed into the ground or captured on impermeable surface adjacent to the tank and 3700 entered the swamp contained within Tyson property boundaries. Glycerin was recovered from the swamp with no environmental impact to the swamp. ADEM and Region IV EPA Emergency Response personnel observed the clean up efforts.
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SECTION 7. DISCHARGE INFORMATION (40 CFR 122.26(C)(1)(I)(E))

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

EPA Identification Number	NPDES Permit Number AL0001449	Facility Name TYSON FARMS, INC.	OMB No. 2040-0004 Expires 07/31/2026
Discharge Information Continued	7.3	Is the facility subject to an effluent limitation guideline (ELG) or effluent limitations in an NPDES permit for its process wastewater? ☒ Yes ☐ No → SKIP to Item 7.5.	
	7.4	Have you completed Table B by providing quantitative data for those pollutants that are (1) limited either directly or indirectly in an ELG and/or (2) subject to effluent limitations in an NPDES permit for the facility's process wastewater? ☒ Yes	
	7.5	Do you know or have reason to believe any pollutants in Exhibit 2F-2 are present in the discharge? ☒ Yes ☐ No → SKIP to Item 7.7.	
	7.6	Have you listed all pollutants in Exhibit 2F-2 that you know or have reason to believe are present in the discharge and provided quantitative data or an explanation for those pollutants in Table C? ☒ Yes	
	7.7	Do you qualify for a small business exemption under the criteria specified in the Instructions? ☐ Yes → SKIP to Item 7.18. ☒ No	
	7.8	Do you know or have reason to believe any pollutants in Exhibit 2F-3 are present in the discharge? ☐ Yes ☒ No → SKIP to Item 7.10.	
	7.9	Have you listed all pollutants in Exhibit 2F-3 that you know or have reason to believe are present in the discharge in Table C? ☐ Yes	
	7.10	Do you expect any of the pollutants in Exhibit 2F-3 to be discharged in concentrations of 10 ppb or greater? ☐ Yes ☒ No → SKIP to Item 7.12.	
	7.11	Have you provided quantitative data in Table C for those pollutants in Exhibit 2F-3 that you expect to be discharged in concentrations of 10 ppb or greater? ☐ Yes	
	7.12	Do you expect acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dinitrophenol to be discharged in concentrations of 100 ppb or greater? ☐ Yes ☒ No → SKIP to Item 7.14.	
	7.13	Have you provided quantitative data in Table C for the pollutants identified in Item 7.12 that you expect to be discharged in concentrations of 100 ppb or greater? ☐ Yes	
	7.14	Have you provided quantitative data or an explanation in Table C for pollutants you expect to be present in the discharge at concentrations less than 10 ppb (or less than 100 ppb for the pollutants identified in Item 7.12)? ☐ Yes	
	7.15	Do you know or have reason to believe any pollutants in Exhibit 2F-4 are present in the discharge? ☐ Yes ☒ No → SKIP to Item 7.17.	

EPA Identification Number	NPDES Permit Number AL0001449	Facility Name TYSON FARMS, INC.	OMB No. 2040-0004 Expires 07/31/2026
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Discharge Information Continued	7.16	Have you listed pollutants in Exhibit 2F-4 that you know or believe to be present in the discharge and provided an explanation in Table C? ☐ Yes								
	7.17	Have you provided information for the storm event(s) sampled in Table D? ☒ Yes								
	Used or Manufactured Toxics									
	7.18	Is any pollutant listed on Exhibits 2F-2 through 2F-4 a substance or a component of a substance used or manufactured as an intermediate or final product or byproduct? ☐ Yes ☒ No → SKIP to Section 8.								
	7.19	List the pollutants below, including TCDD if applicable. Attach additional sheets, if necessary. <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">1.</td> <td style="width: 33%;">4.</td> <td style="width: 33%;">7.</td> </tr> <tr> <td>2.</td> <td>5.</td> <td>8.</td> </tr> <tr> <td>3.</td> <td>6.</td> <td>9.</td> </tr> </table>	1.	4.	7.	2.	5.	8.	3.	6.
1.	4.	7.								
2.	5.	8.								
3.	6.	9.								

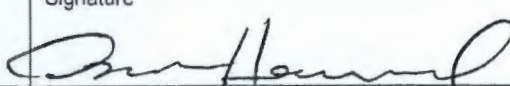
SECTION 8. BIOLOGICAL TOXICITY TESTING DATA (40 CFR 122.21(G)(11))					
Biological Toxicity Testing Data	8.1	Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last three years? ☒ Yes ☐ No → SKIP to Section 9.			
	8.2	Identify the tests and their purposes below.			
		Test(s)	Purpose of Test(s)	Submitted to NPDES Permitting Authority?	Date Submitted
		Quarterly Chronic Toxicity Ceri	survival, reproduction	☒ Yes ☐ No	06/07/2024
		Quarterly Chronic Toxicity P. Pr	survival, growth	☒ Yes ☐ No	06/07/2024
			☐ Yes ☐ No		

SECTION 9. CONTRACT ANALYSIS INFORMATION (40 CFR 122.21(G)(12))				
Contract Analysis Information	9.1	Were any of the analyses reported in Section 7 (in Tables A through C) performed by a contract laboratory or consulting firm? ☒ Yes ☐ No → SKIP to Section 10.		
	9.2	Provide information for each contract laboratory or consulting firm below.		
		Laboratory Number 1	Laboratory Number 2	Laboratory Number 3
	Name of laboratory/firm	Guardian Systems		
	Laboratory address	1108 Ashville Rd, PO Box 190 Leeds, AL 35094		
	Phone number	(205) 699-6647		
	Pollutant(s) analyzed	BOD, TSS, O&G, TOTAL P, TKN, TOTAL NITROGEN, COD, NITRATE/NITRITE		

EPA Identification Number	NPDES Permit Number	Facility Name
	AL0001449	TYSON FARMS, INC.

OMB No. 2040-0004
Expires 07/31/2026

SECTION 10. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(A) AND (D))

Checklist and Certification Statement	<u>10.1</u>	In Column 1 below, mark the sections of Form 2F that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.	
		Column 1	Column 2
	☒ Section 1	☒ w/ attachments (e.g., responses for additional outfalls)	
	☒ Section 2	☐ w/ attachments	
	☒ Section 3	☒ w/ site drainage map	
	☒ Section 4	☐ w/ attachments	
	☒ Section 5	☐ w/ attachments	
	☒ Section 6	☐ w/ attachments	
	☒ Section 7	☒ Table A ☐ w/ small business exemption request ☒ Table B ☐ w/ analytical results as an attachment ☒ Table C ☒ Table D	
	☒ Section 8	☐ w/ attachments	
	☒ Section 9	☐ w/ attachments (e.g., responses for additional contact laboratories or firms)	
	☒ Section 10		
	<u>10.2</u>	Provide the following certification. (See instructions to determine the appropriate person to sign the application.)	
		Certification Statement <i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i>	
	Name (print or type first and last name)	Official title	
	Isaac Howard	Complex Manager	
	Signature	Date signed	
		10/21/24	

EPA Form 2F Attachments

Section 3: Maps



MAP INDEX

- M1 – FULL FACILITY VIEW
- M2 – PLANT VIEW
- M3 – WASTEWATER VIEW
- M4 – OUTFALL DRAINAGE AREAS
- M5 – LIVE HAUL AREA
- M6 – TRANSFORMERS
- M7 – OIL-FILLED EQUIPMENT



Flow Direction

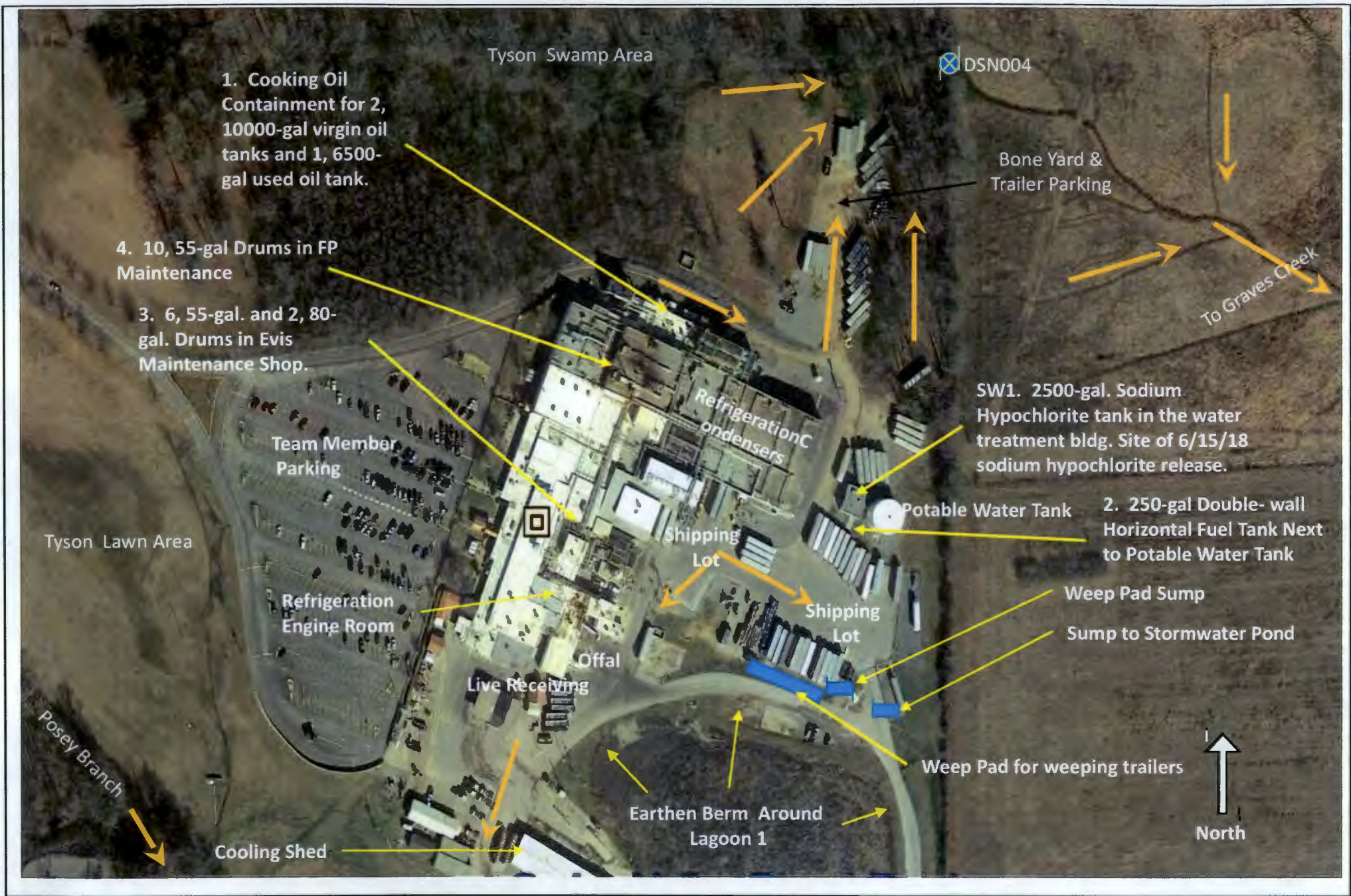
Outfall Locations

Approx. Property Line

Tyson Farms-Blountsville

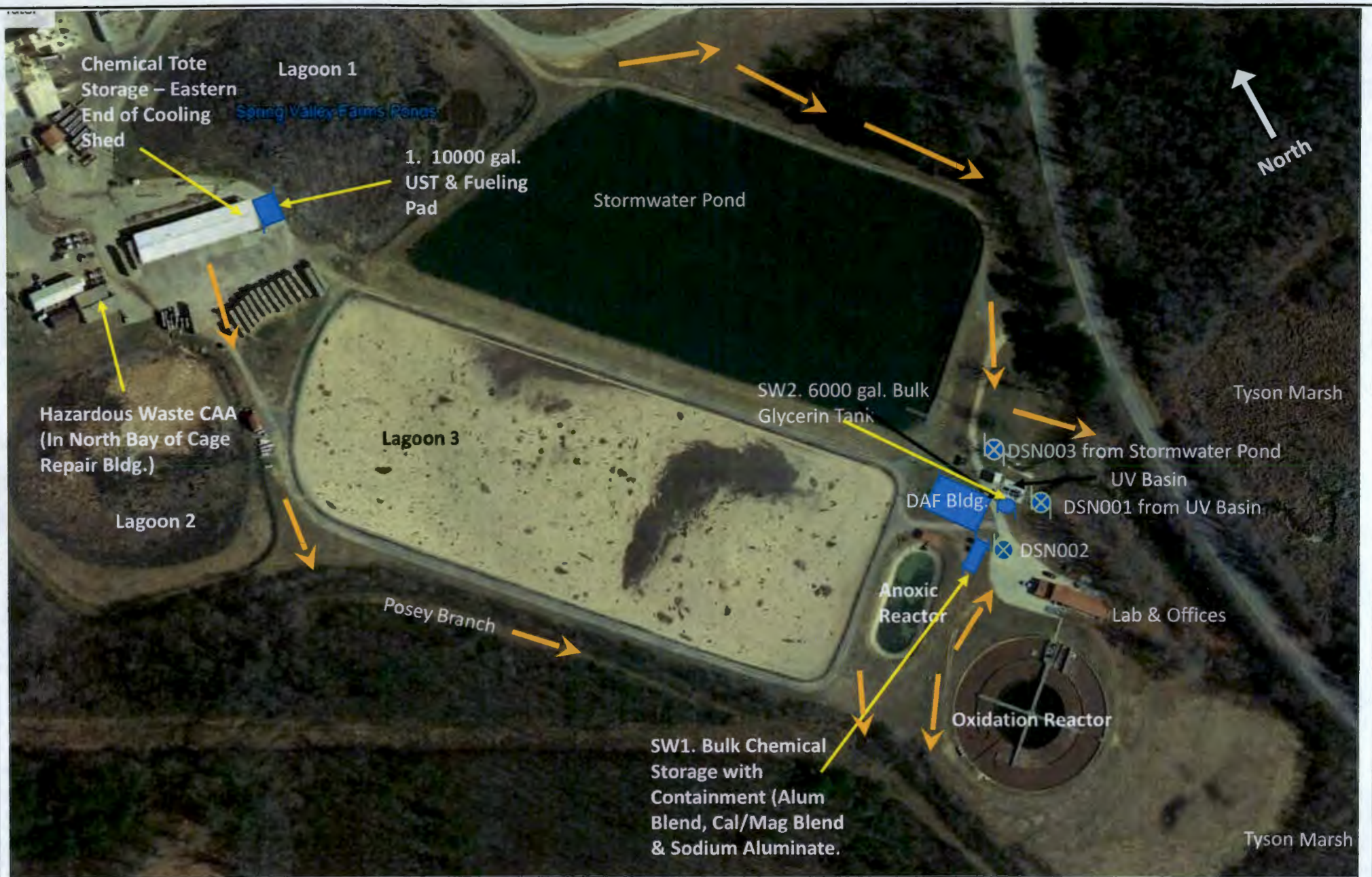
M1 – Full Facility View

3/1/2021



-  Stormwater Flow Direction
-  Outfall Designation

Tyson Farms - Blountsville
M2 – Plant View
3/1/2021



 Flow Direction
 Outfall Locations

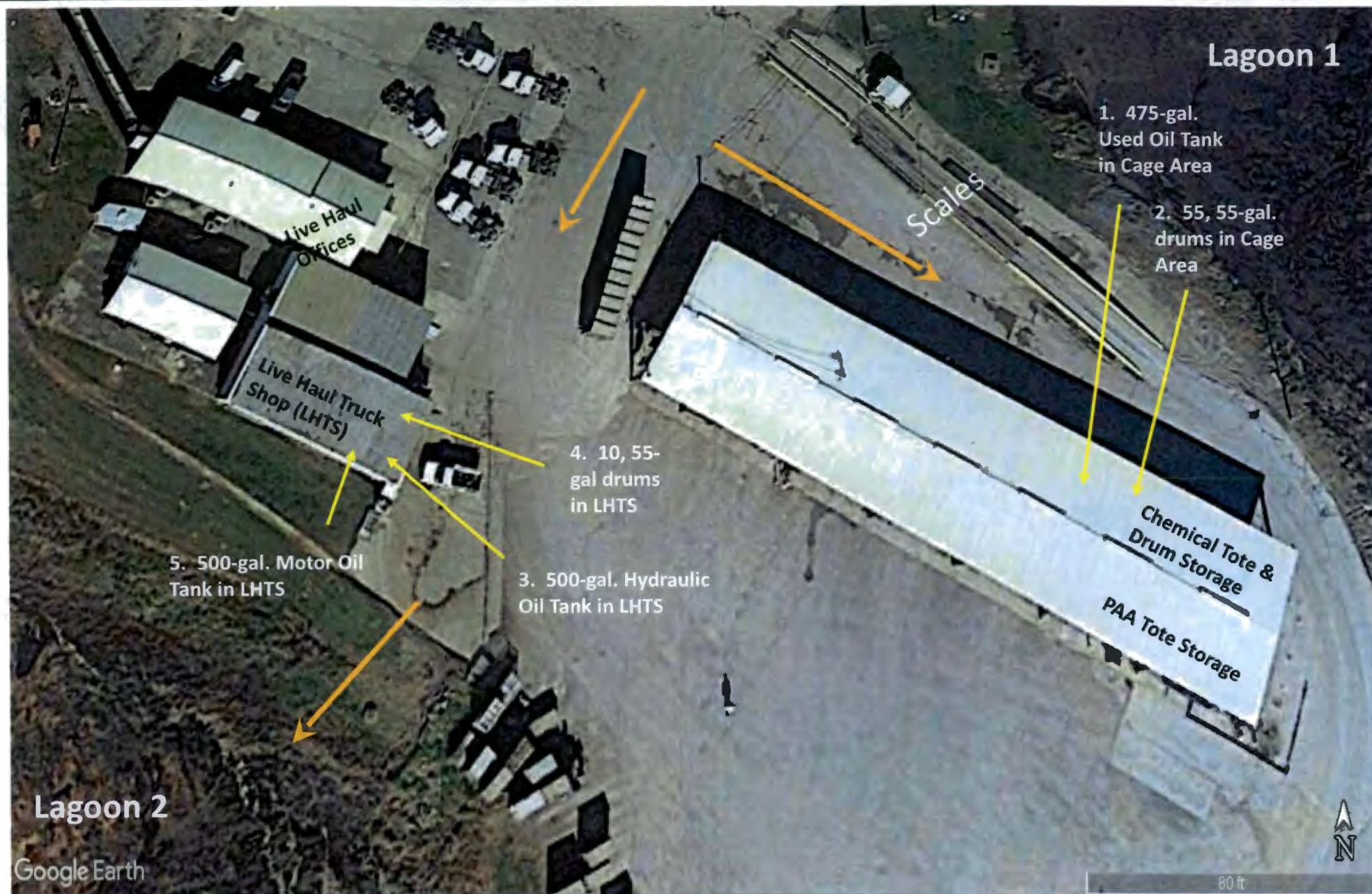
Tyson Farms-Blountsville
 M3 – Wastewater View
 3/1/2021



Area 002 – area immediately around wastewater. Includes the tote storage and bulk chemical storage areas.

Area 003 – area which includes the non-contact areas of the Plant roof and the stormwater pond. The discharge is through a pipe into a natural drainage ditch into the marsh area that bounds wastewater on 2 sides.

Area 004 – area on the northern most boundary of the property. Area contains natural swamp area, bone yard, trailer parking, northern most portion of the plant roof, and the uncontaminated drainage from the cooking oil containment. Receives significant run-on from neighboring cattle pasture.



Flow Direction
Outfall Locations

Tyson Farms-Blountsville
M5 – Live Haul View
3/1/2021



TRANSFORMERS

(Pad-Mounted unless specified otherwise)

- T1. Wastewater (450-gal)
- T2. FP / North Engine Room (450-gal)
- T3. FP / North Engine Room (589-gal)
- T4. FP / North Engine Room (589-gal)
- T5. FP / North Engine Room (589-gal)
- T6. FP / North Engine Room (589-gal)
- T7. Potable Water Building (400-gal)
- T8. Old / South Engine Room (589-gal)
- T9. Old / South Engine Room (589-gal)
- T10. Old / South Engine Room (125-gal pole-mounted)



Approximate Transformer or Transformer Bank Location

Tyson Farms-Blountsville
M6 – Transformer Locations

3/11/2021



1. Engine Room #1: Oil Separators – #1, 80-gal.; #2, 80-gal.; #3, 177-gal.; and #4, 60-gal.
2. Engine Room #2: Oil Separators - #1, 224-gal.; #2, 253-gal.; #3, 253-gal.; #4, 253-gal.; #5, 250-gal.; #6, 250-gal.; #7, 407-gal.; #8, 70-gal.; #9, 187-gal.; #10, 187-gal.; and #11, 80-gal.]
3. Hydraulic Reservoirs Inside Evis and FP Processing Areas: Using Food Grade Hydraulic Oil. 18 Containers for 3,036-gal. Total Storage. [12, 55-gal.; 2, 504-gal.; 1, 178-gal.; 1, 192-gal.; 1, 518-gal.; and 1, 480-gal.]
4. Hydraulic Reservoirs for Flour Conveyor: Using Food Grade Hydraulic Oil. 2 Containers for 735-gal Total Storage. [1, 620-gal.; and 1, 115-gal.]
5. Hydraulic Reservoirs Leg Quarters: 1, 1000-gal. steel tank.
6. Hydraulic Reservoir Pack Out: 1, 1000-gal. steel tank.
7. Fulton Thermal Oil Boilers with associated piping and fryer coils: 1, 10MMBtu/hr. boiler with 1309-gal. Paratherm (mineral oil); 1, 6, MMBtu/hr. boiler with 1219-gal. Paratherm (mineral oil).
8. Red water Chiller Room: 10, 55-gal drums of Food Grade Hyd. Oil.



Stormwater Flow Direction

In-Plant Oil-Filled Equipment Location

Tyson Farms - Blountsville
M7 – Oil Filled Equipment Locations

3/19/2021

Section 7: Tables A, B, C, and D for Each Permitted Stormwater Outfall

DSN002

EPA Identification Number	NPDES Permit Number AL0001449	Facility Name TYSON FARMS, INC.	Outfall Number DSN002
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OMB No. 2040-0004
Expires 07/31/2026

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

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

Pollutant or Parameter		Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
		Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1.	Oil and grease	15 MG/L		7.7 MG/L		7	
2.	Biochemical oxygen demand (BOD ₅)	19.1 MG/L	9.8 MG/L	9.5 MG/L	9.8 MG/L	8	
3.	Chemical oxygen demand (COD)	120 MG/L	55 MG/L	59.1 MG/L	55 MG/L	8	
4.	Total suspended solids (TSS)	684 MG/L	300 MG/L	181 MG/L	300 MG/L	8	
5.	Total phosphorus	.36 MG/L	2.2 MG/L	.91 MG/L	0.8 MG/L	8	
6.	Total Kjeldahl nitrogen (TKN)	1.3 MG/L	0.8 MG/L	.91 MG/L	0.8 MG/L	8	
7.	Total nitrogen (as N)	3.5 MG/L	2.8 MG/L	1.25 MG/L	2.8 MG/L	8	
8.	pH (minimum)	6.1 SU		6.7 SU		7	
	pH (maximum)	7.1 SU		6.7 SU		7	

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

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EPA Identification Number	NPDES Permit Number	Facility name	Outfall Number
	AL0001449	TYSON FARMS, INC.	DSN002

OMB No. 2040-0004
Expires 07/31/2026

TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(C)(1)(I)(E)(6))

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

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/03/2022	5.93 HRS	1.11"	336 HRS	0.000468 GPM	0.165834 MG

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

FLOW ESTIMATE BASED ON AREA X RAINFALL AMOUNT X GAL/CU FT

DSN003

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
	AL0001449	Tyson Farms, Inc	DSN003

OMB No. 2040-0004
Expires 07/31/2026

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(C)(1)(I)(E)(3)) ¹							
You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.							
Pollutant or Parameter		Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
		Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1.	Oil and grease	<5.0 MG/L		<5.0 MG/L		7	
2.	Biochemical oxygen demand (BOD ₅)	23.1 MG/L	3.7 MG/L	9.0 MG/L	3.7 MG/L	8	
3.	Chemical oxygen demand (COD)	24.4 MG/L	58 MG/L	104 MG/L	58 MG/L	8	
4.	Total suspended solids (TSS)	160 MG/L	160 MG/L	49.4	160	8	
5.	Total phosphorus	.50 MG/L	0.04 MG/L	0.38 MG/L	0.04 MG/L	8	
6.	Total Kjeldahl nitrogen (TKN)	25.9 MG/L	12.1 MG/L	11.9 MG/L	12.1 MG/L	8	
7.	Total nitrogen (as N)	26.6 MG/L	14.1 MG/L	11.5 MG/L	14.1 MG/L	8	
8.	pH (minimum)	6.0 SU		7.0 SU		7	
	pH (maximum)	7.9 SU		7.0 SU		7	

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

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EPA Identification Number	NPDES Permit Number AL0001449	Facility Name TYSON FARMS, INC	Outfall Number DSN004
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OMB No. 2040-0004
Expires 07/31/2026

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

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

Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1. Oil and grease	8.0 MG/L		5.4 MG/L		7	N/A
2. Biochemical oxygen demand (BOD ₅)	25.4 MG/L	2/1 MG/L	7.04 MG/L	2.1 MG/L	8	N/A
3. Chemical oxygen demand (COD)	206 MG/L	54 MG/L	62.6 MG/L	54 MG/L	8	N/A
4. Total suspended solids (TSS)	32 MG/L	8.0 MG/L	13/5 MG/L	8.0 MG/L	8	N/A
5. Total phosphorus	0.55 MG/L	0.55 MG/L	0.16 MG/L	0.55 MG/L	8	N/A
6. Total Kjeldahl nitrogen (TKN)	1.3 MG/L	0.8 MG/L	1.0 MG/L	0.8 MG/L	8	N/A
7. Total nitrogen (as N)	6.4 MG/L	<2.8 MG/L	2.4 MG/L	<2.8 MG/L	8	N/A
8.	pH (minimum)		6.0 SU		7	N/A
	pH (maximum)		6.0 SU		7	N/A

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

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EPA Identification Number	NPDES Permit Number	Facility name	Outfall Number
	AL0001449	TYSON FARMS, INC	DSN004

OMB No. 2040-0004
Expires 07/31/2026

TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(C)(1)(I)(E)(6))

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

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
02/03/2022	5.93 HRS	1.11"	336 hrs	0.0000377 gpm	.01332 MGD

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

FLOW CALCULATION BASED ON AREA, RAINFALL INCHES, GAL/CU FT

Section 10: Certification / Signature



February 15, 2023

Mr. Lance R. LeFleur
Director
Alabama Department of Environmental Management
1400 Coliseum Blvd.
Montgomery, Alabama 36110-2400

RE: Signatory Authority

The Tyson Team Members serving as the Managers listed below are hereby authorized to serve as my delegated Responsible Officials to sign reports, inspection certifications, permit applications, renewals and terminations required by permits, regulations, and compliance plans and for other information requested by the Director for the locations listed below:

Position	Legal Entity-Plant	Facility Address
Complex Manager	Tyson Chicken, Inc. – Albertville Plant	Albertville Plant 6600 Highway 431 S. Albertville, AL 35950
Complex Manager	Tyson Farms, Inc. – Blountsville Plant	Blountsville Plant 67240 Main St. Blountsville, AL 35031
Plant Manager	Tyson Chicken, Inc.-Albertville Plant	Albertville Plant 6600 Highway 431 S. Albertville, AL 35950
Plant Manager	Tyson Farms, Inc. – Blountsville Plant	Blountsville Plant 67240 Main St. Blountsville, AL 35031

If you have questions concerning this designation of authority, please contact me at 479-290-4000.

Regards,

Kemal Beach
Vice President Operations

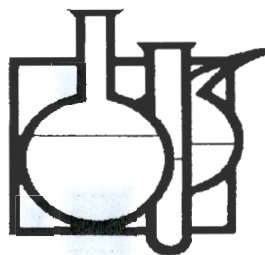
Lounsberry, Rachel E

Subject: FW: Blountsville Permit
Attachments: Tyson- Blountsville 2408-00328.pdf

From: Hames, Rodney <Rodney.Hames2@tyson.com>
Sent: Friday, February 7, 2025 2:36 PM
To: Lounsberry, Rachel E <restanaland@adem.alabama.gov>
Subject: Re: Blountsville Permit

Attached is the Guardian Systems Analytical Certificate for the TOC analysis on the sample collected on 8/15/24. The value is 10 mg/L and the flow was 0.973 mgd.

Concentration: 10 mg/L
Mass: 81.1 lbs.



GUARDIAN SYSTEMS, INC.

1108 Ashville Road
P.O. Box 190
Leeds, Alabama 35094

Telephone (205) 699-6647
Fax (205) 699-3882

Page 1 of 1

Tyson Foods ~ Blountsville
67240 Main Street
Blountsville, AL 35031

Report Date: 09/06/2024
Receive Date: 08/15/2024
Receive Time: 11:40

Attention: Teresa Turner

Control No : 2408-00328 Sample # 001
Sampler : Client
Sample ID: DSN001 - Blountsville

Sample Date: 08/15/2024
Sample Time: 9:05

Laboratory Certificate

PARAMETER	RESULTS	UNITS	ANALYST	DATE	TIME	METHOD	REF
Nitrogen, Kjeldahl	<0.5	mg/L	CAC	08/23/2024	12:23	351.2	(1)
Nitrite	<0.2	mg/L	BG	08/15/2024	23:48	300.0	(1)
Nitrate	57.8	mg/L	BG	08/15/2024	0:29	300.0	(1)
Total Organic Carbon (TOC)	10.	mg/L	BG	09/05/2024	15:07	SM5310 C	

Approved By: 



METHOD REFERENCES

1. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993 May 1994
2. Standard Methods for the Examination of Water and Waste Water, 18th, 19th, 20th, and 22nd Edition, 2012
3. Test Methods for Evaluating Solid Wastes Physical Chemical Method SW-846, 3rd Edition, Updated IV December 1996
4. 1987 ASTM Annual Standards
5. Code of Federal Regulations, Title 40, Part 136, Appendix A, Revised July 1995
6. Methods for the Determination of Organic Compounds in Drinking Water, EPA-600/4-88/039, Revised July 1991, August 1995
7. NIOSH Manual of Analytical Methods, 4th Edition, May 1996

email: lbrymer@gsilab.com

www.qsilab.com



Client: Lisa Beckham	Phone: 205 429 7110
Company: Tyson Foods	Fax:
Address: 67240 Main St	P.O.
Address: Blountsville AL 35031	Email: lisa.beckham@tyson teresa.turner@tyson.comp
Contact Name	Project Name:

[illegible]

Sampled by: <u>Jeremy Brown</u>	Relinquished by: <u>Jeremy Brown</u>	Date: <u>8-15-24</u>	Time: <u>10:23 A</u>
Received by: <u>[Signature]</u>	Date: <u>8/15/24</u> Time: <u>10:25</u>	Relinquished by: <u>[Signature]</u>	Date: <u>8-15-24</u> Time: <u>11:40</u>
Received by: <u>[Signature]</u>	Date: _____ Time: _____	Relinquished by: _____	Date: _____ Time: _____
Received for Laboratory by: <u>[Signature]</u>	Date: <u>8/15/24</u>	Time: <u>1140</u>	
Was Shipped Container intact when received? Yes <u>✓</u> No <u>_____</u>	Initials <u>JB</u>	Seals intact? Yes <u>NB</u> No <u>_____</u>	
Were all samples properly preserved? Yes <u>✓</u> No <u>_____</u>	Initials <u>JB</u>	Sample temp. <u>16</u> °C	
Comments:			

Put an "X" in the appropriate column for sample type and sample preservative. Write in analysis requested.

* For composite samples include start and stop date and time in comments section **Write in preservative used in comments

Jackson, Scott A

Subject:

RE: BLV Revised P1 for EPA 2F and Revised Language for ADEM Form 187.

From: Hames, Rodney <Rodney.Hames2@tyson.com>

Sent: Wednesday, May 7, 2025 10:11 AM

To: Jackson, Scott A <scott.jackson@adem.alabama.gov>

Subject: BLV Revised P1 for EPA 2F and Revised Language for ADEM Form 187.

Importance: High

Revised Page 1 of the EPA Form 2F.

ADEM Form 187: Our receiving stream for Outfalls 001, 002, and 003 is Graves Creek. Outfall 004 is an Unnamed Tributary to Graves Creek.

I hope this corrects the initial misinterpretation.

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EPA Identification Number		NPDES Permit Number AL0001449		Facility Name TYSON FARMS, INC.		OMB No. 2040-0004 Expires 07/31/2026	
---------------------------	--	----------------------------------	--	------------------------------------	--	---	--

Form 2F NPDES		U.S Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY					
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SECTION 1. OUTFALL LOCATION (40 CFR 122.21(G)(1))

Outfall Location	<u>1.1</u>	Provide information on each of the facility's outfalls in the table below			
		Outfall Number	Receiving Water Name	Latitude	Longitude
		DSN002	Graves Creek	34.00 2.00' 59.77"	86.00 34.00' 39.88"
		DSN003	Graves Creek	34.00 3.00' 1.09"	86.00 34.00' 38.75"
		DSN004	Unnamed Tributary to	34.00 3.00' 24.60"	86.00 34.00' 39.20"

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

Improvements	<u>2.1</u>	Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application? ☒ Yes ☐ No → SKIP to Section 3.				
	<u>2.2</u>	Briefly identify each applicable project in the table below.				
		Brief Identification and Description of Project	Affected Outfalls (list outfall numbers)	Source(s) of Discharge	Final Compliance Dates	
					Required	Projected
		Construction of phosphorus filter to meet 0.25 mg/L limit during the term of the current permit. Once constructed the filter will not impact either outfall.	002, 003	Stormwater from construction area. Disturbed area is < 1 acre but it is adjacent to both stormwater outfalls.	4/1/25	4/1/25

<u>2.3</u>	Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or planned? <i>(optional item)</i> ☐ Yes ☒ No
------------	---

Lounsberry, Rachel E

Subject: Tyson Blountsville Arsenic (As) Results
Attachments: BLV As Results - Special Sample.pdf

From: Hames, Rodney <Rodney.Hames2@tyson.com>
Sent: Friday, June 6, 2025 2:49 PM
To: Jackson, Scott A <scott.jackson@adem.alabama.gov>
Subject: Tyson Blountsville Arsenic (As) Results

Scott, we have completed the arsenic sampling and the result is attached. The sample was a composite sample taken at our effluent discharge location. The results (0.003 mg/L) were so near the method detection limit (0.001 mg/L) that our lab says they cannot speciate the sample. The sample was collected after our new sand filters so any particulates that might have arsenic in it could have been removed through it and that might account for the difference in the numbers on the application (collected pre-filter installation) and this special sample. The Alabama Geological Survey maps showing the distribution of arsenic in State soils (0-18") show that Blount County soils contain moderate levels of total arsenic. This is partly due to the County-wide presence of sedimentary rock like sandstone and limestone that are known to contain arsenic compounds and other metal ions.

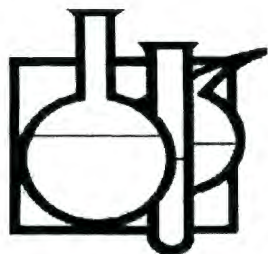
Sincerely,

Rodney Hames



Rodney Hames, PE
Complex Environmental Manager
North Alabama Poultry Complex
Office 205-466-8231,
Mobile 205-901-7589
Rodney.hames2@tyson.com

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Page 1 of 1

Tyson Foods ~ Blountsville
67240 Main Street
Blountsville, AL 35031

Report Date: 05/16/2025
Receive Date: 05/08/2025
Receive Time: 11:20

Attention: Teresa Turner

Control No : 2505-00234 Sample # 001
Sampler : TT
Sample ID: BO1 EFF

Sample Date: 05/07/2025
Sample Time: 8:05

Laboratory Certificate

PARAMETER	RESULTS	UNITS	ANALYST	DATE	TIME	METHOD	REF
Arsenic	0.003	mg/L	DL	05/16/2025	9:02	200.8	

Approved By: Spinda Isak Miller

METHOD REFERENCES

1. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993 May 1994
2. Standard Methods for the Examination of Water and Waste Water, 18th, 19th, 20th, and 22nd Edition, 2012
3. Test Methods for Evaluating Solid Wastes Physical Chemical Method SW-846, 3rd Edition, Updated IV December 1996
4. 1987 ASTM Annual Standards
5. Code of Federal Regulations, Title 40, Part 136, Appendix A, Revised July 1995
6. Methods for the Determination of Organic Compounds in Drinking Water, EPA-600/4-88/039, Revised July 1991, August 1995
7. NIOSH Manual of Analytical Methods, 4th Edition, May 1996

email: lbryner@gsilab.com

www.gsilab.com



Project:

[illegible][illegible]

Put an "X" in the appropriate column for sample type and sample preservative. Write in analysis requested.

* For composite samples include start and stop date and time in comments section **Write in preservative used in comments

Lounsberry, Rachel E

From: Hames, Rodney <Rodney.Hames2@tyson.com>
Sent: Thursday, July 10, 2025 4:50 PM
To: Lounsberry, Rachel E
Subject: Arsenic in Wastewater

Follow Up Flag: Follow up
Flag Status: Flagged

Rachel,

When the question concerning arsenic first arose, Tyson reviewed our chemicals and ingredients to determine whether our processes could be the source. There are no arsenic or arsenic compounds in our process or wastewater chemicals or our ingredients. In addition, we tested our potable water sources, and our groundwater is also arsenic free. From our review and testing, Tyson is not the source of arsenic. Please contact me if you have any questions.

Sincerely,

Rodney Hames



Rodney Hames, PE
Complex Environmental Manager
North Alabama Poultry Complex
Office 205-466-8231,
Mobile 205-901-7589
Rodney.hames2@tyson.com

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Jackson, Scott A

Subject: RE: Tyson- Blountsville 2507-00444.pdf (Dissolved arsenic result)

From: Hames, Rodney <Rodney.Hames2@tyson.com>

Sent: Wednesday, July 23, 2025 2:34 PM

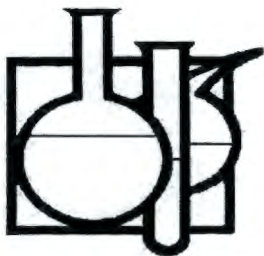
To: Jackson, Scott A <scott.jackson@adem.alabama.gov>; Lounsberry, Rachel E <restanaland@adem.alabama.gov>

Subject: Tyson- Blountsville 2507-00444.pdf (Dissolved arsenic result)

Importance: High

Attached is the analysis certificate for dissolved arsenic from the effluent discharge at Tyson Blountsville. Please let me know if you have any questions.

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Page 1 of 1

Tyson Foods ~ Blountsville
67240 Main Street
Blountsville, AL 35031

Report Date: 07/23/2025
Receive Date: 07/18/2025
Receive Time: 10:40

Attention: Teresa Turner

Control No : 2507-00444 Sample # 001
Sampler : TT
Sample ID: Filtered BO1 Eff

Sample Date: 07/17/2025
Sample Time: 15:20

Laboratory Certificate

PARAMETER	RESULTS	UNITS	ANALYST	DATE	TIME	METHOD	REF
Arsenic, Dissolved	0.002	mg/L	DL	07/21/2025	13:30	200.8	



Approved By: *[Signature]*

JK

METHOD REFERENCES

1. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993 May 1994
2. Standard Methods for the Examination of Water and Waste Water, 18th, 19th, 20th, and 22nd Edition, 2012
3. Test Methods for Evaluating Solid Wastes Physical Chemical Method SW-846, 3rd Edition, Updated IV December 1996
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email: lbrymer@gsilab.com

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[illegible]

Put an "X" in the appropriate column for sample type and sample preservative. Write in analysis requested.

* For composite samples include start and stop date and time in comments section **Write in preservative used in comments