LANCE R. LEFLEUR
DIRECTOR

KAY IVEY
GOVERNOR

Alabama Department of Environmental Management
adem.alabama.gov

1400 Coliseum Blvd. 36110-2400 ■ Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 ■ FAX (334) 271-7950

APR 2 4 2025

MR BRIAN PAULSEN
HEAD OF ENVIRONMENTAL
PILGRIMS PRIDE CORPORATION
1770 PROMONTORY CIRCLE
GREELEY COLORADO 80634

RE: DRAFT PERMIT
NPDES PERMIT NUMBER AL0060470

Dear Mr Paulsen:

Transmitted herein is a draft of the referenced permit.

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

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

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 Theo Pinson by e-mail at **tpinson@adem.alabama.gov** or by phone at **(334) 274-4202.**

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

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

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

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

ADEM
Alabama Department of Environmental Management

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PERMITTEE: PILGRIMS PRIDE CORPORATION

FACILITY LOCATION: PILGRIMS PRIDE CORPORATION RUSSELLVILLE
2045 HIGHWAY 244
RUSSELLVILLE, ALABAMA 35654
FRANKLIN COUNTY

PERMIT NUMBER: AL0060470

RECEIVING WATERS:
001 - HARRIS CREEK
002 - HARRIS CREEK
003 - CHERRY HILL CREEK
004 - CHERRY HILL CREEK
005 - HARRIS CREEK
006 - HARRIS CREEK
01A - LAND APPLICATION

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

Table of Contents

Table of Contents (continued)

PART I: DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

DSN001S, DSN002S, DSN003S, DSN004S, DSN005S, DSN006S: **Stormwater runoff associated with poultry processing operations and the land application of treated wastewaters 3/ 4/ 5/ 6/**

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	*****	*****	*****	*****	*****	100.0 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	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nitrogen, Ammonia Total (As N) (00610) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) 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) 7/ Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	col/100mL	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) requirements for Poultry Processing Plants.

6/ Outfall 002S has been deemed a representative stormwater outfall. Stormwater monitoring is required only at Outfall 002S. Stormwater monitoring is not required at Outfalls 001S, 003S, 004S, 005S, and 006S.

7/ E. Coli monitoring shall be conducted at a designated internal location directly adjacent to the plant processing areas. All other parameters shall be monitored at Outfall 002.

DSN01A1: Treated wastewaters associated with poultry processing operations including sanitary wastewaters, vehicle and equipment wash waters, offsite feed mill captured stormwater, hatchery wastewaters, and captured stormwater runoff 3/ 4/ 5/ 6/ 7/

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) Monthly Average	600.0 Maximum Daily	mg/l	Weekly	Grab	All Months
pH (00400) Effluent Gross Value	*****	*****	*****	6.0 Minimum Daily	*****	10.0 Maximum Daily	S.U.	Weekly	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	(Report) Monthly Average	(Report) Maximum Daily	mg/l	Weekly	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	150.0 Monthly Average	150.0 Maximum Daily	mg/l	Weekly	Grab	All Months
Phosphorus, Total (As P) (00665) Effluent Gross Value	*****	*****	*****	*****	(Report) Monthly Average	(Report) Maximum Daily	mg/l	Weekly	Grab	All Months
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	2.0 Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Daily	Totalizer	All Months
E. Coli (51040) Effluent Gross Value	*****	*****	*****	*****	(Report) Monthly Average	(Report) Maximum Daily	col/100mL	Weekly	Grab	All Months
Nitrogen, Total (51445) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	lbs	*****	*****	*****	*****	Weekly	Grab	All Months
Coliform, Fecal General (74055) Effluent Gross Value	*****	*****	*****	*****	1000.0 Monthly Average	2000.0 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/ See Part IV.C for Best Management Practices (BMP) requirements for Poultry Processing Plants.

5/ See Part IV.D for Industrial Land Application Requirements.

6/ See Part IV.E for Groundwater Monitoring Requirements.

7/ The Permittee shall not apply more than 700 pounds per acre per year of Nitrogen (including that contained in fertilizer). The maximum pounds per acre per year for the highest applied acre should be reported annually under DSN01AY. The nitrogen loading data for each land application site should be submitted as part of the annual report required by Part IV.D. The monthly average and maximum loading applied per acre should be reported monthly under DSN01A1.

DSN01AY: Treated wastewaters associated with poultry processing operations including sanitary wastewaters, vehicle and equipment wash waters, offsite feed mill captured stormwater, hatchery wastewaters, and captured stormwater runoff 3/ 4/ 5/ 6/ 7/

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
Nitrogen, Total (As N) (00600) Effluent Gross Value	*****	700.0 Maximum	lb/yr	*****	*****	*****	*****	See Permit Requirements	Calculated	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.C for Best Management Practices (BMP) requirements for Poultry Processing Plants.

5/ See Part IV.D for Industrial Land Application Requirements.

6/ See Part IV.E for Groundwater Monitoring Requirements.

7/ The Permittee shall not apply more than 700 pounds per acre per year of Nitrogen (including that contained in fertilizer). The maximum pounds per acre per year for the highest applied acre should be reported annually under DSN01AY. The nitrogen loading data for each land application site should be submitted as part of the annual report required by Part IV.D. The monthly average and maximum loading applied per acre should be reported monthly under DSN01A1.

DSN00CU: Cherry Hill Creek Upstream Monitoring

DSN00CD: Cherry Hill Creek Downstream Monitoring

DSN00HU: Harris Creek Upstream Monitoring

DSN00HD: Harris Creek Downstream Monitoring

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from 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: 3/ 4/ 5/

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency[2]	Sample Type[1]	Seasonal
Oxygen, Dissolved (DO) (00300) Instream Monitoring	*****	*****	*****	(Report) Minimum Daily	*****	*****	mg/l	Quarterly	Grab	All Months
pH (00400) Instream Monitoring	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Quarterly	Grab	All Months
Solids, Total Suspended (00530) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months
Nitrogen, Ammonia Total (As N) (00610) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months
Nitrogen, Kjeldahl Total (As N) (00625) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months
Nitrite Plus Nitrate Total 1 Det. (As N) (00630) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months
Phosphorus, Total (As P) (00665) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months
E. Coli (51040) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	col/100mL	Quarterly	Grab	All Months
BOD, Carbonaceous 05 Day, 20C (80082) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	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.C for Best Management Practices (BMP) requirements for Poultry Processing Plants.

5/ See Part IV.F for Stream Monitoring Requirements.

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-dini-trophenol; 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 to ensure that the BMP is continually implemented and effective;

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.k) 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 values 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. INDUSTRIAL LAND APPLICATION REQUIREMENTS

1. A healthy cover crop consisting of Bermuda or fescue with rye or oats overseed or any comparable alternative nitrogen consuming crop shall be maintained at all times during land application of wastewater. If necessary, the cover crop shall be maintained by fertilization, reseeding, etc.

2. Erosion control measures, using best management practices shall be utilized to minimize soil loss.

3. Wastewater shall not be applied during periods of rain and/or high winds which will carry the wastewater off site, when the ground is saturated such that percolation will not occur, prior to periods of rain, or when the ground is frozen.

4. Wastewater shall not be applied to fields with a slope greater than 10% and shall not be applied within 50 feet of all creeks, drainage ways, sinkholes and springs. It is highly recommended that the vegetative buffer zones be increased along upland ditches, gulleys, swales, and other features that are likely to convey stormwater to the receiving streams.

5. All spray and monitoring equipment shall be properly operated and maintained at all times to prevent leaks and spills. The equipment shall be installed so that there is no overlap of spray patterns from the individual sprinklers.

6. As a minimum, the following records shall be maintained by the permittee which will be subject to inspection by the Department:

    a. All information required by land application monitoring reports;

    b. Field, date, and time span of application and volume applied;

    c. Field, date, quantity and type of fertilizer applied;

    d. Date and amount of rainfall; and

    e. Nitrogen loading (lbs per month) for each land application area.

7. The Permittee shall submit to the Department an annual report due on January 28 of each year. These submittals shall report the monthly Nitrogen loading applied to each of the spray areas and the cumulative yearly total per acre.

8. The Permittee shall obtain a beneficial reuse determination for the land application wastewaters to demonstrate that the application is not for disposal. Additionally, the Permittee shall implement a Nutrient Management Plan (NMP) for the land application of wastewaters.

E. GROUNDWATER MONITORING REQUIREMENTS

1. Monitoring wells MW0 – MW19 shall be monitored once per quarter in accordance with the following schedule:

MEASUREMENT PARAMETER	SAMPLE FREQUENCY	SAMPLING TYPE	POINT
Static Water Level	Quarterly	Grab	MW0 – MW19
pH	"	"	"
Total Sulfates	"	"	"
Total Chlorides	"	"	"
Nitrate (as N)	"	"	"
Total Dissolved Solids	"	"	"
E. coli	"	"	"
Fecal Coliform	"	"	"
Total Phosphorus	"	"	"
Total Kjeldahl Nitrogen	"	"	"
Conductivity	"	"	"

2. Groundwater samples must be analyzed utilizing EPA approved analytical laboratory methods.

3. The permittee must determine whether there is a statistically significant increase over the background quality at each well. If it is determined that there is a statistically significant increase of the constituents, then further action may be warranted by the Department.

4. **The permittee must submit an annual report no later than January 28th each year.** The annual report should include the following:

   a. The nature and the extent of groundwater contamination (if any), and include contour maps showing the groundwater flow direction;

   b. Discussion of all analysis collected;

   c. Discussion of concentration trends in each monitoring well;

   d. All potentiometric data collected during each monitoring event including top casing elevations, measured water levels, total well depths, and calculated groundwater elevations;

   e. A potentiometric map illustrating the groundwater flow direction for each monitoring event.

   f. All field parameter data collected during the well purging activities;

   g. The specific dates that the groundwater sampling activities were conducted; and

   h. The report shall be prepared by and the bear the signature and the license number of either a professional geologist registered in the State of Alabama or professional engineer registered in the State of Alabama.

   i. A certification statement signed by the responsible official or duly authorized representative that all land application activities have been conducted in accordance with all permit conditions.

5. A final report documenting any monitoring well installation activities and piezometer abandonment activities should be submitted to the Department no later than 45 days after completion of the activities. The report shall document the monitoring wells installation activities with the inclusion of all boring logs and well construction diagrams for each monitoring well, and how all former piezometers were abandoned.

F. STREAM MONITORING REQUIREMENTS

1. The Permittee shall sample Harris Creek and Cherry Hill Creek immediately upstream and downstream of the land application sites at a frequency of **once per calendar quarter**. Samples shall be collected at mid-channel and at a depth of 5 feet or mid-depth whichever is less and at upstream and downstream sampling sites previously approved by the Department.

2. Monitoring requirements will apply only during monitoring periods when wastewater is land applied.

3. The results of the downstream analyses for all parameters shall not show a significant difference from the results of the upstream analyses in such a way which would indicate influences from the land application activities.

ADEM PERMIT RATIONALE

PREPARED DATE: June 15, 2017
REVISED DATE: August 11, 2017
REVISED DATE: October 3, 2017
REVISED DATE: August 27, 2018
REVISED DATE: January 10, 2025
PREPARED BY: Theo Pinson

Permittee Name: Pilgrims Pride Corporation

Facility Name: Pilgrims Pride Corporation Russellville

Permit Number: AL0060470

PERMIT IS A REISSUANCE DUE TO EXPIRATION

DISCHARGE SERIAL NUMBERS (DSN) & DESCRIPTIONS:

001 Stormwater runoff associated with poultry processing operations and the land application of treated wastewaters

002 Stormwater runoff associated with poultry processing operations and the land application of treated wastewaters

003 Stormwater runoff associated with poultry processing operations and the land application of treated wastewaters

004 Stormwater runoff associated with poultry processing operations and the land application of treated wastewaters

005 Stormwater runoff associated with poultry processing operations and the land application of treated wastewaters

006 Stormwater runoff associated with poultry processing operations and the land application of treated wastewaters

01A Treated wastewaters associated with poultry processing operations including sanitary wastewaters, vehicle and equipment wash waters, offsite feed mill captured stormwater, hatchery wastewaters, and captured stormwater runoff

INDUSTRIAL CATEGORY: NON-CATEGORICAL

MAJOR: No

STREAM INFORMATION:

Outfall	001, 002, 005, 006	003, 004
Receiving Stream:	Harris Creek	Cherry Hill Creek
Classification:	Fish & Wildlife	Fish & Wildlife
River Basin:	Tennessee	Tennessee
7Q10:	0 cfs	0 cfs
303(d) List:	No	No
Impairment:	Low Dissolved Oxygen, Organic Loading, Siltation, Pathogens (E. coli)	No
TMDL:	Yes	No

DISCUSSION:
For clarity, this permit rationale has been prepared to supersede the previous proposed draft permit rationales and revisions.

The facility receives live broiler chickens for slaughtering, evisceration and processing into various raw poultry products, which are then packaged and shipped to further processors or end users. Process wastewaters which include wastewaters generated from poultry production, captured stormwater, vehicle wash waters and offsite feed mill wastewater are pretreated using Screening, Dissolved Air Floatation (DAF), Cyclical Biological Reactor, Biosolids Digester, Chlorination and Holding Ponds. Sanitary wastewaters are treated in a separate dedicated biological treatment system with the effluent discharged to the holding pond, where it combines with the other treated process wastewaters prior to land application on fields adjacent to the plant. Crops are maintained on the fields along with pasture grazing cattle. Stormwater runoff from the application fields is discharged to either Harris Creek or Cherry Hill Creek. The process wastewaters generated at the facility are regulated under the 40 CFR Part 432 – Meat and Poultry Products Point Source Category; however, since the facility land applies all process wastewaters, the federal guidelines are not applicable.

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 new or expanded discharge; therefore, the applicant is not required to demonstrate that the discharge is necessary for economic and social development.

EPA has not promulgated specific guidelines for the discharges covered under the proposed permit. The proposed permit limits are based on Best Professional Judgment. The proposed monitoring frequencies are based on a review of site specific conditions and an evaluation of similar facilities.

***DSN002S: Stormwater runoff associated with poultry processing operations and the land application of treated wastewaters**

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq	Sample Type	Seasonal	Basis
BOD, 5-Day (20 Deg. C) (00310) Effluent Gross Value	*****	*****	*****	*****	*****	100.0 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	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nitrogen, Ammonia Total (As N) (00610) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) 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

*Outfall 002S has been deemed a representative stormwater outfall. Stormwater monitoring is required only at Outfall 002S. Stormwater monitoring is not required at Outfalls 001S, 003S, 004S, 005S, and 006S.

DSN01A1: Treated wastewaters associated with poultry processing operations including sanitary wastewaters, vehicle and equipment wash waters, offsite feed mill captured stormwater, hatchery wastewaters, and captured stormwater runoff

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq	Sample Type	Seasonal	Basis
BOD, 5-Day (20 Deg. C) (00310) Effluent Gross Value	*****	*****	*****	*****	(Report) Monthly Average	600.0 Maximum Daily	mg/l	Weekly	Grab	All Months	BPJ
pH (00400) Effluent Gross Value	*****	*****	*****	6.0 Minimum Daily	*****	10.0 Maximum Daily	S.U.	Weekly	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	(Report) Monthly Average	(Report) Maximum Daily	mg/l	Weekly	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	150.0 Monthly Average	150.0 Maximum Daily	mg/l	Weekly	Grab	All Months	BPJ
Phosphorus, Total (As P) (00665) Effluent Gross Value	*****	*****	*****	*****	(Report) Monthly Average	(Report) Maximum Daily	mg/l	Weekly	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	2.0 Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Daily	Totalizer	All Months	BPJ
E. Coli (51040) Effluent Gross Value	*****	*****	*****	*****	(Report) Monthly Average	(Report) Maximum Daily	col/100mL	Weekly	Grab	All Months	BPJ
Nitrogen, Total (51445) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	lbs	*****	*****	*****	*****	Weekly	Grab	All Months	BPJ
Coliform, Fecal General (74055) Effluent Gross Value	*****	*****	*****	*****	1000.0 Monthly Average	2000.0 Maximum Daily	col/100mL	Weekly	Grab	All Months	BPJ

****DSN01AY: Treated wastewaters associated with poultry processing operations including sanitary wastewaters, vehicle and equipment wash waters, offsite feed mill captured stormwater, hatchery wastewaters, and captured stormwater runoff**

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq	Sample Type	Seasonal	Basis
Nitrogen, Total (As N) (00600) Effluent Gross Value	*****	700.0 Maximum	lb/yr	*****	*****	*****	*****	See Permit Requirements	Calculated	All Months	BPJ

**The Permittee shall not apply more than 700 pounds per acre per year of nitrogen (including that contained in fertilizer). The maximum pounds per acre per year for the highest applied acre should be reported under Outfall 01AY.

DSN00CU: Cherry Hill Creek Upstream Monitoring

DSN00CD: Cherry Hill Creek Downstream Monitoring

DSN00HU: Harris Creek Upstream Monitoring

DSN00HD: Harris Creek Downstream Monitoring

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq	Sample Type	Seasonal	Basis
Oxygen, Dissolved (DO) (00300) Instream Monitoring	*****	*****	*****	(Report) Minimum Daily	*****	*****	mg/l	Quarterly	Grab	All Months	BPJ
pH (00400) Instream Monitoring	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Quarterly	Grab	All Months	BPJ
Solids, Total Suspended (00530) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months	BPJ
Nitrogen, Ammonia Total (As N) (00610) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months	BPJ
Nitrogen, Kjeldahl Total (As N) (00625) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months	BPJ
Nitrite Plus Nitrate Total 1 Det. (As N) (00630) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months	BPJ
Phosphorus, Total (As P) (00665) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months	BPJ
E. Coli (51040) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	col/100mL	Quarterly	Grab	All Months	BPJ
BOD, Carbonaceous 05 Day, 20C (80082) Instream Monitoring	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months	BPJ

**Basis for Permit Limitation

- BPJ – Best Professional Judgment

Discussion

Outfall DSN01A is an internal monitoring point following all treatment but prior to the land application of the wastewaters. The treated wastewaters are land applied on spray fields through center pivot sprayers. The facility may utilize additional technologies to land apply wastewaters as long as compliance with all permit limitations and/or conditions is maintained. Best Management Practices (BMPs) should be utilized to determine any additional application locations and application rates. The Permittee is prohibited from land applying wastewater during precipitation events, at times when winds will cause drift of wastewater off the site, when the ground is frozen, or when the ground is saturated following a precipitation event. Operating under these restrictions should help to ensure that pollutants are not transferred to waters of the state through stormwater runoff and groundwater infiltration. The facility may beneficially reuse the bio-solids from the treatment system under the conditions of obtaining a beneficial reuse determination and the development of a sludge management plan to include methods of sludge removal, application rates, analytical analysis, and field incorporation technology. The beneficial reuse materials are subject to the permit limitations for application of total nitrogen.

Part IV.D of the Permit includes a requirement for the Permittee to obtain a beneficial reuse determination for the land application wastewaters to demonstrate that the application is not for disposal. Additionally, the Permittee shall implement a Nutrient Management Plan (NMP) for the land application of wastewaters. The NMP should identify the BMPs utilized at the facility to minimize adverse impacts to surface waters and groundwater from runoff, erosion, and leaching from the land application sites. The NMP should include a description of the land use, cropping sequence, management of crops, timing of applications, and buffer requirements. The NMP should also include an assessment of the land application site which considers site specific crops, soil types, climate, conditions, sources of nutrients, the non-nutrient salts applied to each field, and a nutrient budget which accounts for nitrogen and phosphorus use. All nutrient applications, including applications to pasture, must be made in accordance with the NMP. The NMP must be updated in response to changing conditions and monitoring data. The NMP shall be maintained onsite and be made available to the Department for review during site inspections.

Groundwater Monitoring

To evaluate the impacts to groundwater in the vicinity of the land application site, groundwater monitoring is proposed as specified by Permit Condition Part IV.E. Annual reports shall be submitted to the Department by January 28th each year providing the information specified in Part IV.E. It should be noted that the Permittee conducted a water well survey with a one-half mile radius of the application fields in December 2015. A total of 27 properties with private wells were located during the survey. It was determined that all 27 properties had access to a public water supply through the City of Russellville.

Stream Monitoring

Instream monitoring as specified in Permit Condition Part I.A and IV.F. is proposed in both Harris Creek and Cherry Hill Creek, the two creeks that border the land application sites. Monitoring should be performed at the locations previously approved by the Department which are located immediately upstream and downstream of the land application sites. Samples shall be collected at mid-channel and at a depth of 5 feet or mid-depth whichever is less at the upstream and downstream sampling locations. The approved locations may be subsequently changed by the Department if it is determined that an alternate location is necessary to better evaluate instream conditions. The downstream results should not differ significantly from the upstream values in such a way which would indicate influences from the land application activities. As requested by the Permittee, the Department has reduced the instream monitoring frequency from monthly to quarterly.

Best Management Practices (BMPs)

Best Management Practices (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.

Representative Stormwater Outfall
Outfall 002S has been determined to be a representative stormwater outfall for stormwater discharges from the facility. Outfall 002S includes stormwater runoff from both the plant processing areas and the land application fields. Stormwater monitoring is required at Outfall 002S. Stormwater monitoring is not required at Outfalls 001S, 003S, 004S, 005S, and 006S.

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. To evaluate the effectiveness of the BMPs, the Department has proposed that the E. Coli monitoring associated with Outfall 002 be conducted at a designated internal location directly adjacent to the plant processing areas. The location of Outfall 002 will remain in the same location as it has historically and as originally indicated in EPA Form 2F.

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 Outfall 01A daily maximum limit for Oil and Grease should help protect the operation of the land application system. The stormwater limitations should prevent the occurrence of a visible sheen in the stream and have been shown to be achievable through the use of proper BMPs.

BOD
The existing stormwater BOD daily maximum limit of 100 mg/l is proposed to be continued and is based on the typical BOD loading found in stormwater from non-industrial sites. Compliance with this limit should help ensures proper operation of the land application site. The existing land application BOD daily maximum limit of 600 mg/l is proposed to be continued to ensure proper operation of the treatment system prior to land application.

pH
The existing pH limits of 6.0 to 10.0 s.u. were established to take into account pH fluctuation due to alga growth in the wastewater retention ponds. These limits are expected to be protective of land application.

Flow
The existing monthly average Outfall 01A limit for flow is proposed to be continued to help control the hydraulic loading to the land application system.

Fecal Coliform and E. Coli
The existing Outfall 01A limits for Fecal Coliform and monitoring for E. coli are proposed to be continued in this issuance to evaluate the bacterial loading to the spray fields.

Total Nitrogen
The permittee is required to monitor total nitrogen to ensure that this loading does not exceed 700 pounds per acre per year. Nitrogen has been determined to be the limiting factor for land application sites and this is considered an acceptable loading rate for Nitrogen uptake for sites using coastal bermuda with rye grass overseed. The permittee will be required to submit an annual report providing nitrogen loading data for each land application site. The maximum pounds per acre per year for the highest applied acre should be reported annually under DSN01AY.

Total Maximum Daily Load (TMDL)

Harris Creek is included in a 2002 EPA approved Low Dissolved Oxygen/Organic Loading TMDL. The TMDL did not identify the land application activities as a significant contributor to the impairments since stormwater discharges are not be expected to occur during low flow conditions. Instream monitoring for dissolved oxygen and BOD is proposed in order to monitor for the potential for the land application system to impact the receiving stream.

Harris Creek is also included in a 2003 EPA approved Siltation TMDL that was developed for 22 segments in the Lower Tennessee River Basin. The TMDL indicates that the primary source of sediment loadings are non-point sources associated with agriculture, roadways, and urban sources.

303(d) List of Impaired Water

Harris Creek is listed on the most recent 303(d) List of Impaired Water for Pathogens (E. coli). The Department has proposed enhanced BMP requirements to address E. coli in stormwater runoff. Additionally, the Department has proposed to continue the fecal coliform limitations at Outfall 01A. Furthermore, the Department has proposed a TMDL to address the pathogen impairment.

NPDES/SID Permit Fee Sheet

Permit Number: AL0060470
Permittee: Pilgrims Pride Corporation
Site: Pilgrims Pride Corporation Russellville
County: Franklin
Submission Reference Number: 131950
Submission Received Date 01/31/2017
Assigned Staff: Theo Pinson
Total Charges: $15325.00
Totals Payments: $15325.00
Amount Due: $0.00

Charges

Type	Amount
Base Charge	$5615.00
Adjustment: WLA Model	$4855.00
Adjustment: SEASONAL MODEL FEE	$4855.00
Adjustment: Waste Load Allocation	$4855.00
Adjustment: EIE-Waste Load Allocation incorrectly applied to this site.	$-4855.00

Payments

Type	Amount	Date	Check/Payment Confirmation Number
Payment	$4855.00	08/02/2022	4152405
Payment	$4855.00	04/27/2022	0151
Payment	$5615.00	01/31/2017	3410719

February 2, 2024

Mr. Theo Pinson
Alabama Department of Environmental Management
Water Division – Industrial Section
1400 Coliseum Boulevard
Montgomery, Alabama 36110

Re: NPDES Permit Application for Pilgrim's Pride Processing Plant
Russellville, Franklin County, Alabama
NPDES AL0060470

Dear Mr. Pinson:

Transmitted herewith (submitted electronically via AEPACS) is the updated National Pollutant Discharge Elimination System (NPDES) permit **renewal application** package for the Pilgrim's Pride Corporation – Russellville Processing Plant.

Pilgrim's would like to point out the following since the issuance of the previous Permit, Draft Permit and 2017 Permit application:

- Stormwater Outfall 002 has been relocated to closer proximity to the Processing Plant and its associated industrial operations. This outfall includes runoff from the industrial activities at the Site and is not influenced by any sprayfield.
- Pilgrim's requests the removal of the irrigated sprayfield outfalls (Outfalls 001S, 003S, 004S, 005S and 006S) from the Permit. The sprayfields consist of hayfields and pastures where cattle graze. Pilgrim's manages a beef cattle farm on the sprayfield acreage (and has managed the land in this manner since the early 1990's). In addition, the sprayfields are used to grow a hay crop which is sold to third-parties if not consumed by the cattle onsite. This land use is a normal farming/agricultural activity that is exempt from NPDES permitting per 40 CFR 122.3(e). Therefore, we believe the stormwater runoff from the sprayfields to be exempt from NPDES permitting.
- Pilgrim's requests the removal of the upstream/downstream monitoring requirements for Cherry Hill Creek and Harris Creek for the following reasons:

tel 256 332 8900
www.pilgrims.com

2045 Hwy 245
Russellville, AL 35654

- No stormwater runoff associated with industrial operations discharges directly into these Creeks. Also, 40 CFR 122.3(e) excludes non-point source agricultural activities from obtaining NPDES permits.
- For Cherry Hill Creek, Pilgrim's personnel must trespass onto private property in order to access the upstream and downstream monitoring points.
- For Harris Creek and based on USGS Stream stats, the upstream monitoring point (County Road 724) drainage area is 2.128 square miles. The downstream monitoring point drainage area is 5.03 square miles. Subtracting out the upstream basin results in 2.902 square miles (1,850 acres) that contributes flow between the upstream and downstream monitoring points. Of this 1,850-acre basin, approximately 850 acres are owned by Pilgrim's. There is approximately 1,000 acres of offsite drainage that influences potential differences between upstream and downstream monitoring.

Also, please note that Outfall 01A (irrigated effluent monitoring point) was automatically designated Outfall 008 on the Form 187 and could not be changed.

If you have any questions, please contact me at (660) 748-5468 (Brian.Paulsen@pilgrims.com).

Sincerely,

Brian Paulsen. Head of Environmental Engineering
Pilgrim's Pride Corporation

Cc: Kevin Milner (Pilgrim's Pride)
Dave Fischer (Pilgrim's Pride - Russellville)
Trent Samples (WHEE)

Attachments

Pilgrim's Pride Corporation – Russellville Processing Plant
NPDES Permit No. AL0060470

NPDES Application Attachments

- Application Cover Letter
- ADEM Application Form 187 (submitted electronically)
- USEPA Application Form 1 (General Information)
- USEPA Application Form 2C (Irrigated Effluent Information)
- USEPA Application Form 2F (Stormwater Outfall Information)
- Figure 1 – Aerial Map
- Figure 2 – Topo Map
- Figure 3 – Plant Map
- Figure 4 – Wastewater Treatment Process Flow Diagram and Facility Water Balance
- Attachment A – Alabama Facility Permit Listing
- Attachment B – Historical Monitoring Data
- Attachment C – Biocide and Corrosion Inhibitor Information
- Duly Authorized Representative Letter

Digitally signed by:
AEPACS
Date: 2024.02.09 10:26:32 -06:00
Reason: Submission Data
Location: State of Alabama

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

version 2.8

(Submission #: HPZ-R4EN-N4HNN, version 1)

Details

Submission ID HPZ-R4EN-N4HNN

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) 271-7943

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 planned changes at the facility that are included in this reissuance application:
Please note the following changes requested with this application (refer to Cover Letter for more details):

- Relocate Stormwater Outfall 002 closer to the Processing Plant and its associated industrial operations.
- Removal of the irrigated sprayfield outfalls (Outfalls 001S, 003S, 004S, 005S and 006S) from the Permit. The sprayfields consist of hayfields and pastures where cattle graze. This land use is a normal farming/agricultural activity that is exempt from NPDES permitting per 40 CFR 122.3(e).
- Removal of the stream monitoring requirements for Cherry Hill Creek and Harris Creek as the sprayfield irrigation activities are considered exempt from NPDES permitting per 40 CFR 122.3(e).

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):
AL0060470

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
AL0060470

Current Permittee Name
Pilgrims Pride Corporation

Permittee

Permittee Name
Pilgrims Pride Corporation

Mailing Address
PO BOX 1086
RUSSELLVILLE, AL 35653

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	Last Name
Brian	*Paulsen*

Title
Head of Environmental Engineering

Organization Name
Pilgrims Pride Corporation

Phone Type	Number	Extension
Business	9703475730	

Email
Brian.Paulsen@pilgrims.com

Mailing Address

1770 PROMONTORY CIR

GREELEY, CO 80634

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?
Engineer	Delete Please	Remove
Environmental Contact,DMR Contact	Joel Pounders	Remove
Notification Recipient,Responsible Official	Phyllis Thomas	Remove
Permittee	Pilgrims Pride Corporation	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)
Duly Authorized Letter.pdf - 02/05/2024 07:43 AM
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).

Authorized Rep

Prefix
Mr.

First Name	Last Name
Joshua	*Griffin*

Title
Complex Manager

Organization Name
Pilgrim's Pride Corporation

Phone Type	Number	Extension
Business	2563328900	

Email
joshua.griffin@pilgrims.com

Mailing Address

PO Box 1086

Russellville, AL 35653

United States

Facility/Site Information

Facility/Site Name
Pilgrims Pride Corporation

Organization/Ownership Type
Corporation

Facility/Site Address or Location Description

2045 HIGHWAY 244

RUSSELLVILLE, AL 35654

Facility/Site County
Franklin

Detailed Directions to the Facility/Site
NONE PROVIDED

Facility Map
Figure 1 - Aerial Map.pdf - 02/05/2024 07:46 AM
Comment
NONE PROVIDED

Please refer to the link below for Lat/Long map instruction help:
Map Instruction Help

Facility/Site Front Gate Latitude and Longitude
34.46083300000000,-87.66805600000002

2045 Highway 244, Russellville, AL

SIC Code(s) [Please enter Primary SIC Code first followed by any additional applicable SIC Codes]
2015-Poultry Slaughtering and Processing

NAICS Code(s) [Please enter Primary NAICS Code first followed by any additional applicable NAICS Codes]
311615-Poultry Processing

Facility/Site Contact

Prefix
Mr.

First Name	Last Name
Dave	*Fischer*

Title
Complex Environmental Manager

Organization Name
Pilgrim's Pride Corporation

Phone Type	Number	Extension
Business	2563328900	

Email
dave.fischer@jbssa.com

Address
PO Box 1086
Russellville, AL 35653

DMR Contact(s) (1 of 2)

DMR Contact

Prefix
Mr.

First Name	Last Name
Dave	*Fischer*

Title
Complex Environmental Manager

Phone Type	Number	Extension
Business	2563328900	

Email
dave.fischer@jbssa.com

Address
PO Box 1086
Russellville, AL 35653

DMR Contact(s) (2 of 2)

DMR Contact

Prefix
Mr.

First Name	Last Name
Joshua	*Griffin*

Title
Complex Manager

Phone Type	Number	Extension
Business	2563328900	

Email
joshua.griffin@pilgrims.com

Address
PO Box 1086
Russellville, AL 35653

Applicant Business Entity Information

Address of Incorporation
Division of Incorporation
John G. Townsend Building
401 Federal Building, Suite 4
Dover, DE 19901

Agent Designated by the Corporation for Purposes of Service

Name	Address
Corporation Service Company, Inc.	641 South Lawrence Street Montgomery, AL 36104

Please provide all corporate officers

Name	Title	Address
Fabio Sandri	CEO	1770 Promontory Circle Greeley, CO 80634

Does the applicant applying for coverage have a Parent Corporation?
Yes

Parent Corporation of Applicant

Name	Address
JBS USA Food Company	1770 Promontory Circle Greeley, CO 80634

Does the applicant applying for coverage have Subsidiary Corporations?
No

Enforcement History

Has the applicant been issued any Notices of Violation, Orders (Consent or Administrative/Unilateral), or Judicial Actions (Complaint, Settlement Agreement, Consent Decree, or Court Order) concerning water pollution or other permit violations within the State of Alabama in the past five years?
Yes

Identify all Notices of Violation, Orders (Consent or Administrative/Unilateral), or Judicial Actions (Complaint, Settlement Agreement, Consent Decree, or Court Order) concerning water pollution or other permit violations, if any, against the Applicant within the State of Alabama in the past five years.

Facility/Site Name	Permit Number, If Applicable	Type of Action	Date of Action
Pilgrim's Pride Corporation - Enterprise Processing Plant	AL0003697	Notice of Violation	09/29/2022
Pilgrim's Pride Corporation - Enterprise Processing Plant	AL0003697	Notice of Violation	05/22/2020

Business Activity

A facility with processes inclusive in the business areas shown below may be covered by Environmental Protection Agency's (EPA) categorical effluent guideline standards. These facilities are termed "categorical users". If unsure, please call the Industrial Section at (334) 271-7943 to discuss or use the link below to contact the Permit Engineer for the county the facility is/will be located in.
Industrial Section Assignment Map

If your facility conducts or will be conducting any of the processes listed below (regardless of whether they generate wastewater, waste sludge, or hazardous wastes), please check the category of business activity:
Meat Products

Give a brief description of all operations at this facility including primary products or services:
This Facility receives live broiler chickens for slaughtering, evisceration and processing into various raw poultry products, which are then packaged and shipped to further processors or end users. Process wastewater (which includes wastewater generated from poultry production, captured stormwater, vehicle wash waters and offsite feed mill wastewater) is pretreated using Screening, Dissolved Air Floatation (DAF), Cyclical Biological Reactor, Biosolids Digester, Chlorination and Holding Ponds. Final effluent is land applied and not discharged to a surface water. Sanitary wastewater is treated via a packaged biological treatment system with the effluent discharged to the holding pond, where it combines with treated process wastewater prior to land application.

Water Supply

Water Sources (check all that apply):
Municipal Water Utility

Please specify the City of the Municipal Water Utility:
Russellville

Name of Utility	Million Gallons per Day (MGD)
Russellville Utilities	2

Cooling Water Intake Structure Information

Does the provider of your source water operate a surface water intake?
Yes

Name of Provider	Location of Provider	Latitude	Longitude
Russellville Utilities	1440 Lake Elliott Road, Russellville, AL 35653	34.5143	-87.7809

Is the provider a public water system (defined as a system which provides water to the public for human consumption or which provides only treated water, not raw water)?
Yes

Outfalls (1 of 2)

008

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
008

Receiving Water
Harris Creek

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

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

Estimated Average Daily Flow (MGD)
2

Monitoring/Sampling Point Location
34.46843108252003,-87.66736835206954

Outfalls (2 of 2)

009

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

Provide the reason this outfall is being deleted.
Entered in Error

Outfall Identifier
009

Indicate if either of the following characteristics apply to this discharge:
None apply

Estimated Average Daily Flow (MGD)
0

Stormwater Outfalls (1 of 6)

001

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
001

Receiving Water
Harris Creek

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.460836956081216,-87.6754506111145

Stormwater Outfalls (2 of 6)

002

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
002

Receiving Water
Harris Creek

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.46479230694822,-87.66778511331846

Stormwater Outfalls (3 of 6)

003

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
003

Receiving Water
Cherry Hill Creek

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.45338848034188,-87.66358361244201

Stormwater Outfalls (4 of 6)

004

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
004

Receiving Water
Cherry Hill Creek

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.45361100000000, -87.67194400000000

Stormwater Outfalls (5 of 6)

005

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
005

Receiving Water
Harris Creek

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.4669705362536,-87.6797639656067

Stormwater Outfalls (6 of 6)

006

Please click below if this discharge no longer exists or is no longer required:
NONE PROVIDED

Outfall Identifier
006

Receiving Water
Harris Creek

Does the discharge enter the named receiving water via an unnamed tributary?
NONE PROVIDED

Indicate if either of the following characteristics apply to this discharge:
Stormwater only (no comingled process waste water excluding air conditioner condensate and fire testing waters)

Monitoring/Sampling Point Location
34.47427595196719,-87.67876176917268

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
Figure 4 - Process Flow Diagram.pdf - 02/05/2024 07:49 AM
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

Indicate if automatic sampling equipment or continuous wastewater flow metering equipment is being operated at this facility:

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

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

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

Please describe the equipment below:
Irrigation Flows are measured using magnetic flow meters: Krohne IFC 090 and IFC 080.

Please attach the process schematic with sampling equipment locations.
Figure 4 - Process Flow Diagram.pdf - 02/05/2024 07:50 AM
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?
Yes

The applicant must provide a list of the following information for each biocide or chemical:

(1) Name and general composition of biocide or chemical (if composition is not provided on MSDS sheet)
(2) 48-hour or 96-hour LC50 data for organisms representative of the biota of the waterway into which the discharge will ultimately reach. For freshwater, the fathead minnow (Pimephales promelas) and cladoceran (Ceriodaphnia dubia) are the test organisms. For salt water, the mysid shrimp and the sheepshead minnow or inland silverside are the test organisms. Other acceptable aquatic organisms may be allowed by the Department if sufficient information is provided. If the MSDS sheet does not provide data for the organisms specified above, the facility must provide the data unless the Department grants approval for an alternate organism.
(3) Quantities to be used
(4) Frequencies of use
(5) Maximum proposed discharge concentrations
(6) EPA registration of number, if applicable and is not provided on the MSDS sheet.

List of Biocides

Please list biocides below:
Peracetic Acid
Sodium Hydroxide
Chlorine Gas

Biocide/Corrosion Inhibitor Summary Sheet
Attach C - Biocides and Corrosion Inhibitors.pdf - 02/05/2024 07:51 AM
Comment
NONE PROVIDED

Safety Data Sheets (SDS)
SDS.pdf - 02/05/2024 07:54 AM
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
Chlorination
Grease or oil separation
Biological treatment
Screen
Other: Effluent Holding Lagoons; Aerobic Sludge Digester
Flow equalization
Chemical precipitation
Neutralization, pH correction

Biological treatment type:
Activated Sludge

Grease or oil separation type:
Dissolved Air Floatation

Is any form of wastewater treatment (or changes to an existing wastewater treatment) planned for this facility within the next three years?
No

Facility Operational Characteristics

Indicate whether the facility discharge is:
Continuous through the year

Comments:
NONE PROVIDED

Non-Discharged Wastes

Are any waste liquids or sludges generated and not disposed of in the sanitary sewer system?
Yes

Waste Generated	Quantity (lbs/day)	Disposal Method	On-Site or Off-Site?	If Off-Site, Identify the Facility:
Poultry Blood	70000	Protein Recovery	Off-Site	River Valley Ingredients - Hanceville
DAF Sludge	110000	Land Application	Off-Site	Denali Water Solutions

Does any outside firm remove any of the above checked wastes?
Yes

Hauler Information

Name	Address	City	State	Zip
Denalia Water Solutions	220 S Commerce Ave	Russellville	AR	72801
River Valley Ingredients	1170 County Road 508	Hanceville	AL	35077

EPA Application Forms

All Applicants must submit certain EPA permit application forms. More than one application form may be required.

Form 1 - General Information Form required for all applications

Form 2C - Should be submitted for facilities with existing discharge(s) of process wastewater.

Form 2D - Should be submitted for facilities that have not yet commenced discharge(s) of process wastewater.

Form 2E - Should be submitted for facilities who discharge non-process wastewater, such as non-contact cooling water or boiler blowdown.

Form 2F - Should be submitted for all discharges of storm water associated with an industrial activity.

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

EPA Form 1

EPA Form 1.pdf - 02/05/2024 07:55 AM
Comment
NONE PROVIDED

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

EPA Form 2C.pdf - 02/05/2024 07:56 AM
Comment
NONE PROVIDED

Other attachments (as needed)

EPA Form 2F.pdf - 02/05/2024 07:56 AM
Comment
NONE PROVIDED

Additional Attachments

Please attach any additional information as needed.

Application Cover Letter.pdf - 02/05/2024 07:56 AM
Application Table of Contents.pdf - 02/05/2024 07:56 AM
Attach A - Alabama Facility Permit Listing.pdf - 02/05/2024 07:57 AM
Attach B - Historical Monitoring Data.pdf - 02/05/2024 07:57 AM
Figure 2 - Topo Map.pdf - 02/05/2024 07:57 AM
Figure 3 - Plant Map.pdf - 02/05/2024 07:58 AM
Comment
NONE PROVIDED

Application Preparer

Application Preparer

Prefix
NONE PROVIDED

First Name	Last Name
Trent	*Samples*

Title
NONE PROVIDED

Organization Name
WHEE, Inc.

Phone Type	Number	Extension
Business	7708440037	

Email
tsamples@wheeinc.com

Address
4405 CANTON HWY
STE 100
CUMMING, GA 30040

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 lawthat 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 lawthat 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 Brian Paulsen on 02/09/2024 at 10:20 AM

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
ALR000008813	AL0060470	Pilgrim's Pride Corporation	

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 **publicly owned treatment works**? If yes, STOP. Do NOT complete Form 1. Complete Form 2A. ☑ No	1.1.2	Is the facility a new or existing **treatment works treating domestic sewage**? If yes, STOP. Do NOT complete Form 1. Complete Form 2S. ☑ No

1.2 Applicants *Required* to Submit Form 1

1.2.1	Is the facility a **concentrated animal feeding operation** or a **concentrated aquatic animal production facility**? ☐ Yes ➔ Complete Form 1 ***and*** Form 2B. ☑ No	1.2.2	Is the facility an **existing** manufacturing, commercial, mining, or silvicultural **facility** that **is currently discharging process wastewater**? ☑ Yes ➔ Complete Form 1 ***and*** Form 2C. ☐ No
1.2.3	Is the facility a **new** manufacturing, commercial, mining, or silvicultural **facility** that has **not yet commenced to discharge**? ☐ Yes ➔ Complete Form 1 ***and*** Form 2D. ☑ No	1.2.4	Is the facility a **new or existing** manufacturing, commercial, mining, or silvicultural **facility** that **discharges only nonprocess wastewater**? ☐ Yes ➔ Complete Form 1 ***and*** Form 2E. ☑ No
1.2.5	Is the facility a **new or existing facility** whose discharge is composed entirely of **stormwater associated with industrial activity** or whose discharge is composed of **both stormwater and non-stormwater**? ☑ Yes ➔ Complete Form 1 ***and*** Form 2F unless exempted by 40 CFR 122.26(b)(14)(x) or (b)(15). ☐ No		

SECTION 2. NAME, MAILING ADDRESS, AND LOCATION (40 CFR 122.21(f)(2))

Name, Mailing Address, and Location

2.1 Facility Name

Pilgrim's Pride Corporation - Russellville Processing Plant

2.2 EPA Identification Number

ALR000008813

2.3 Facility Contact

Name (first and last)	Title	Phone number
Dave Fischer	Complex Environmental Manager	(256) 627-6038

Email address
dave.fischer@jbssa.com

2.4 Facility Mailing Address

Street or P.O. box
PO Box 1086

City or town	State	ZIP code
Russellville	Alabama	35653

Name, Mailing Address, and Location Continued

2.5	**Facility Location**		
	Street, route number, or other specific identifier 2045 Highway 244		
	County name Franklin	County code (if known)	
	City or town Russellville	State AL	ZIP code 35654

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 Slaughter 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**
	Pilgrim's Pride Corporation
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**
	(256) 332-8900

Operator Information Continued

4.5	**Operator Address**		
	Street or P.O. Box 2045 Highway 244		
	City or town Russellville	State AL	ZIP code 35654
	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

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) AL0060470	☑ RCRA (hazardous wastes) ALR000008813 (Handler ID)	☐ 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 ☐ No ☐ CAFO—Not Applicable (See requirements in Form 2B.)

SECTION 8. NATURE OF BUSINESS (40 CFR 122.21(f)(8))

Nature of Business

8.1 Describe the nature of your business.

The Facility consists of a poultry processing plant, truck shop, wastewater treatment system, other ancillary buildings, and land application sprayfields. The primary operation at the Site is the slaughtering, eviscerating and processing of poultry into various uncooked poultry products for sale to supermarkets, fast food restaurants, third-party further processors, etc. Wastewater from Facility operations is treated in the onsite wastewater treatment system prior to irrigating on sprayfields.

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.)

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.)

- ☐ 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

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
ALR000008813	AL0060470	Pilgrim's Pride Corporation	

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.

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

11.2 **Certification Statement**

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

Name (print or type first and last name)	Official title
Brian Paulsen	Head of Environmental Engineering
Signature	**Date signed**
Brian Paulsen	2-2-2024

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
ALR000008813	AL0060470	Pilgrim's Pride Corporation	

Form 2C NPDES | **EPA**

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
DSN01A1	N/A (Internal Outfall prior	34° 28′ 6″	-87° 40′ 2.5″
	to land application)	° ′ ″	° ′ ″
		° ′ ″	° ′ ″

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**** DSN01A1

Operations Contributing to Flow

Operation	Average Flow
Process Wastewater	2.0 mgd
Sanitary Wastewater	0.025 mgd
Vehicle/Equipment Washwater	< 0.01 mgd
Offsite Feed Mill Captured Stormwater; Hatchery WW	< 0.01 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, DAF Pretreatment Units, Activated Sludge,	1-T, 1-H, 2-D, 3-A,	
Nitrification-Denitrification, Holding Ponds,	3-D, 1-U, 3-G	
Chlorination, Land Application.	2-F	3-F
Biosolids - Aerobic Digestion, Chlorination, Land App.	5-A, 2-F	5-P

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
ALR000008813	AL0060470	Pilgrim's Pride Corporation	

Average Flows and Treatment Continued

3.1 cont.

****Outfall Number**** DSN01A1

Operations Contributing to Flow

Operation	Average Flow
Sanitary Wastewater	0.025 mgd
	mgd
	mgd
	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
Packaged Biological Treatment System then combines	3-A, 3-G	3-F
w/ process wastewater in Holding Ponds prior to		
Land Application.		

****Outfall Number**** _____

Operations Contributing to Flow

Operation	Average Flow
	mgd
	mgd
	mgd
	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

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

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
		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
Meat and Poultry Products*	Subpart K - Poultry First Processing	40 CFR 432.110
*ELG's are not applicable	as treated wastewater is discharged via land application.	

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

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
ALR000008813	AL0060470	Pilgrim's Pride Corporation	

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

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? *(optional item)*

☐ 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

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 *qualitative* 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. 1. 4. 7. 2. 5. 8. 3. 6. 9.

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
ALR000008813	AL0060470	Pilgrim's Pride Corporation	

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?	Date Submitted
		☐ Yes ☐ No	
		☐ 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	Laboratory Number 3
Name of laboratory/firm	Enersolv Corporation	Southern Environmental Testing	
Laboratory address	2220 Beltline Road SW Decatur, AL 35601	3103 Northington Court Florence, AL 35630	
Phone number	(256) 350-0846	(256) 740-5532	
Pollutant(s) analyzed	All monitored pollutants	All monitored pollutants	

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.

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.

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/ explanation for identical outfalls		
	☐ w/ small business exemption request	☑ w/ other attachments		
	☑ 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			

12.2 **Certification Statement**

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

Name (print or type first and last name)	Official title
Brian Paulsen	Head of Environmental Engineering
Signature	**Date signed**
Brian Paulsen	2-2-2024

This page intentionally left blank.

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii))[1]

	Pollutant	Waiver Requested (if applicable)	Units (specify)		Effluent: Maximum Daily Discharge (required)	Effluent: Maximum Monthly Discharge (if available)	Effluent: Long-Term Average Daily Discharge (if available)	Effluent: Number of Analyses	Intake (Optional): Long-Term Average Value	Intake (Optional): Number of Analyses
☐	Check here if you have applied to your NPDES permitting authority for a waiver for *all* of the pollutants listed on this table for the noted outfall.									
1.	Biochemical oxygen demand (BOD_5)	☐	Concentration	mg/L	262		44.5	52		
			Mass	lbs/day			571	52		
2.	Chemical oxygen demand (COD)	☐	Concentration	mg/L	108			2		
			Mass	lbs/day	1,384			2		
3.	Total organic carbon (TOC)	☐	Concentration	mg/L	13.5			2		
			Mass	lbs/day	173			2		
4.	Total suspended solids (TSS)	☐	Concentration	mg/L	58.3			2		
			Mass	lbs/day	747			2		
5.	Ammonia (as N)	☐	Concentration	mg/L	64			2		
			Mass	lbs/day	820			2		
6.	Flow	☐	Rate	MGD	3.57		1.536	365		
7.	Temperature (winter)	☐	°C	°C	10			Lagoon Temp		
	Temperature (summer)	☐	°C	°C	32			Lagoon Temp		
8.	pH (minimum)	☐	Standard units	s.u.	6.64			52		
	pH (maximum)	☐	Standard units	s.u.	7.54			52		

[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).

This page intentionally left blank.

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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
☐	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							
					Mass							
1.2	Arsenic, total (7440-38-2)	☐	☐	☑	Concentration							
					Mass							
1.3	Beryllium, total (7440-41-7)	☐	☐	☑	Concentration							
					Mass							
1.4	Cadmium, total (7440-43-9)	☐	☐	☑	Concentration							
					Mass							
1.5	Chromium, total (7440-47-3)	☐	☐	☑	Concentration	mg/L	< 0.005			2		
					Mass							
1.6	Copper, total (7440-50-8)	☐	☑	☐	Concentration	mg/L	.0218			2		
					Mass							
1.7	Lead, total (7439-92-1)	☐	☐	☑	Concentration							
					Mass							
1.8	Mercury, total (7439-97-6)	☐	☐	☑	Concentration							
					Mass							
1.9	Nickel, total (7440-02-0)	☐	☐	☑	Concentration	mg/L	< 0.005			2		
					Mass							
1.10	Selenium, total (7782-49-2)	☐	☐	☑	Concentration	mg/L	< 0.005			2		
					Mass							
1.11	Silver, total (7440-22-4)	☐	☐	☑	Concentration							
					Mass							

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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
1.12	Thallium, total (7440-28-0)	☐	☐	☑	Concentration							
					Mass							
1.13	Zinc, total (7440-66-6)	☐	☑	☐	Concentration	mg/L	.0401			2		
					Mass							
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							

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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
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							

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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
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							

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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
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							

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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
4.7	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							

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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							

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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							

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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							

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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
5.12	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							

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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).

This page intentionally left blank.

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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 *not* 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 *not* complete the "Presence or Absence" column of Table C for *each* pollutant.									
1.	Bromide (24959-67-9)	☐	☑	Concentration						
				Mass						
2.	Chlorine, total residual	☑	☐	Concentration	mg/L	< 1				
				Mass						
3.	Color	☑	☐	Concentration	ADMI	44			2	
				Mass						
4.	Fecal coliform	☑	☐	Concentration	col/100ml	< 10			52	
				Mass						
5.	Fluoride (16984-48-8)	☐	☑	Concentration	mg/L	< 0.1			2	
				Mass						
6	Nitrate-nitrite	☑	☐	Concentration	mg/L	3.55			2	
				Mass						
7.	Nitrogen, total organic (as N)	☑	☐	Concentration	mg/L	8.04			2	
				Mass						
8.	Oil and grease	☑	☐	Concentration	mg/L	6.15		< 5	52	
				Mass	lbs/day			32	52	
9.	Phosphorus (as P), total (7723-14-0)	☑	☐	Concentration	mg/L	25.1		13.9	52	
				Mass	lbs/day			177	52	
10.	Sulfate (as SO_4) (14808-79-8)	☑	☐	Concentration	mg/L	23.1			2	
				Mass						
11.	Sulfide (as S)	☐	☑	Concentration						
				Mass						

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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	mg/L	< 2			2		
				Mass							
13.	Surfactants	☐	☑	Concentration							
				Mass							
14.	Aluminum, total (7429-90-5)	☑	☐	Concentration	mg/L	0.0391			2		
				Mass							
15.	Barium, total (7440-39-3)	☑	☐	Concentration	mg/L	0.0098			2		
				Mass							
16.	Boron, total (7440-42-8)	☐	☑	Concentration							
				Mass							
17.	Cobalt, total (7440-48-4)	☐	☑	Concentration							
				Mass							
18.	Iron, total (7439-89-6)	☑	☐	Concentration	mg/L	0.138			2		
				Mass							
19.	Magnesium, total (7439-95-4)	☑	☐	Concentration	mg/L	5.35			2		
				Mass							
20.	Molybdenum, total (7439-98-7)	☐	☑	Concentration	mg/L	< 0.005			2		
				Mass							
21.	Manganese, total (7439-96-5)	☑	☐	Concentration	mg/L	0.0324			2		
				Mass							
22.	Tin, total (7440-31-5)	☐	☑	Concentration							
				Mass							
23.	Titanium, total (7440-32-6)	☐	☑	Concentration	mg/L	< 0.025			2		
				Mass							

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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).

This page intentionally left blank.

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	☐	☑		

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.	Dintrobenzene	☐	☑		
30.	Diquat	☐	☑		
31.	Disulfoton	☐	☑		
32.	Diuron	☐	☑		
33.	Epichlorohydrin	☐	☑		
34.	Ethion	☐	☑		
35.	Ethylene diamine	☐	☑		
36.	Ethylene dibromide	☐	☑		
37.	Formaldehyde	☐	☑		
38.	Furfural	☐	☑		

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN01A1

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

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	☐	☑		

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	☐	☑		

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).

This page intentionally left blank.

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN002

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

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

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

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
E. coli	24,200 col/100mL		1,265 col/100mL		6	See Attach B.
Nitrate/Nitrite	1.3 mg/L		0.83 mg/L		6	See Attach B.
Notes						
E. Coli average is the Geometric Mean.						
*Outfall DSN002 includes runoff from industrial	operations around	the processing plant.	Outfalls DSN001,	DSN003, DSN004,	DSN005, and DSN006	are from the
sprayfields. Outfall DSN002 has historically	been deemed	representative of	the other outfalls.			

[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).

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 Identification Number	NPDES Permit Number	Facility Name
ALR000008813	AL0060470	Pilgrim's Pride Corporation

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

Form 2F NPDES

EPA

U.S Environmental Protection Agency
Application for NPDES Permit to Discharge Wastewater

STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY

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

Outfall Location

1.1 Provide information on each of the facility's outfalls in the table below

Outfall Number	Receiving Water Name	Latitude	Longitude
DSN001	Harris Creek	34° 27′ 39.3″ N	87° 40′ 31.4″ W
DSN002	Harris Creek	34° 27′ 53.3″ N	87° 40′ 4″ W
DSN003	Cherry Hill Creek	34° 27′ 12″ N	87° 39′ 49″ W
DSN004	Cherry Hill Creek	34° 27′ 14″ N	87° 40′ 20″ W
DSN005	Harris Creek	34° 28′ 1″ N	87° 40′ 47″ W
DSN006	Harris Creek	34° 28′ 29″ N	87° 40′ 47″ W

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

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	Form Approved 03/05/19 OMB No. 2040-0004
ALR000008813	AL0060470	Pilgrim's Pride Corporation	

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

Site Drainage Map

3.1 Have you attached a site drainage map containing all required information to this application? (See instructions for specific guidance.)

☑ Yes ☐ No

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

Pollutant Sources

4.1 Provide information on the facility's pollutant sources in the table below.

Outfall Number	Impervious Surface Area (within a mile radius of the facility)		Total Surface Area Drained (within a mile radius of the facility)	
DSN001	~0	specify units Acres	~80	specify units Acres
DSN002	~25	specify units Acres	~50	specify units Acres
DSN003	~0	specify units Acres	~105	specify units Acres
DSN004	~0	specify units Acres	~50	specify units Acres
DSN005	~0	specify units Acres	~100	specify units Acres
DSN006	~30	specify units Acres	>1,000 (includes DSN002)	specify units Acres

4.2 Provide a narrative description of the facility's significant material in the space below. (See instructions for content requirements.)

Live haul poultry trailers are received and stored under cover. Refrigerated poultry product trailers are parked in a containment area. Outdoor chemical and petroleum storage tanks are located in areas that drain to the wastewater pretreatment system or located in containment dikes. Offal, DAF skimmings and other poultry byproducts are loaded out into tanker/open-top trucks inside building structures or in concrete curbed areas. Offal materials are managed offsite by a renderer. Truck Shop maintenance activities generally occur indoors. Other ancillary activities can occur in outdoor areas including; vehicle fueling, vehicle/equipment cleaning (washwaters are collected), equipment storage, trash dumpsters, etc. BMP's have been implemented to prevent/minimize adverse impacts on stormwater runoff.

4.3 Provide the location and a description of existing structural and non-structural control measures to reduce pollutants in stormwater runoff. (See instructions for specific guidance.)

Stormwater Treatment		
Outfall Number	Control Measures and Treatment	Codes from Exhibit 2F–1 (list)
DSN002	Stormwater runoff from high impact areas of the Site is captured by a series of drains and	See Form
	is pumped or gravity-flows to the wastewater pretreatment system. Outdoor oil/chemical	2C.
	storage is provided with secondary containment dikes or pallets. Other outdoor systems	
	(compressors, cooling towers, condensers, etc.) are routinely inspected for proper	
	operations, piping leaks, etc. and maintenance is performed as required.	
Others	Grassed spray fields. Agricultural Outfall exempt per 40 CFR 122.3(e).	3-F

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

Non-Stormwater Discharges

5.1 *I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-stormwater discharges. Moreover, I certify that the outfalls identified as having non-stormwater discharges are described in either an accompanying NPDES Form 2C, 2D, or 2E application.*

Name (print or type first and last name)	Official title
Brian Paulsen	Head of Environmental Engineering
Signature	**Date signed**
Brian Paulsen	2-2-2024

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
DSN001	Visual inspections of sprayfield.	12/17/2023	DSN001
DSN002	Visual inspections of outfall and drainage area.	12/17/2023	DSN002
DSN003	Visual inspections of sprayfield.	12/17/2023	DSN003
DSN004	Visual inspections of sprayfield.	12/17/2023	DSN004
DSN005	Visual inspections of sprayfield.	12/17/2023	DSN005
DSN006	Visual inspections of sprayfield.	12/17/2023	DSN006

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.

There have been no significant spills or leaks of toxic or hazardous pollutants within the last three years.

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 *estimated* data.

☑ No → See instructions regarding submission of *actual* data.

Tables A, B, C, and D

7.2 Have you completed Table A for each outfall?

☑ Yes ☐ No

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 ☐ No
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 ☐ No
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 ☐ No
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 ☐ No
7.12	Do you expect acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dinitrophenol to be discharged in concentrations of 100 ppb or greater? ☐ 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 ☐ No
7.14	Have you provided quantitative data or an explanation in Table C for pollutants you expect to be present in the discharge at concentrations less than 10 ppb (or less than 100 ppb for the pollutants identified in Item 7.12)? ☐ Yes ☑ No
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.
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 ☐ No
7.17	Have you provided information for the storm event(s) sampled in Table D? ☐ Yes ☑ No

Discharge Information Continued

Used or Manufactured Toxics

7.18 Is any pollutant listed on Exhibits 2F–2 through 2F–4 a substance or a component of a substance used or manufactured as an intermediate or final product or byproduct?

☐ Yes ☑ No ➔ SKIP to Section 8.

7.19 List the pollutants below, including TCDD if applicable.

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
		☐ Yes ☐ No	
		☐ Yes ☐ No	
		☐ 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 (on 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	Enersolv Corporation	Southern Environmental Testing	
Laboratory address	2220 Beltline Road SW Decatur, AL 35601	3103 Northington Court Florence, AL 35630	
Phone number	(256) 350-0846	(256) 740-5532	
Pollutant(s) analyzed	All applicable pollutants	All applicable pollutants	

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
ALR000008813	AL0060470	Pilgrim's Pride Corporation	

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

Checklist and Certification Statement

10.1 In Column 1 below, mark the sections of Form 2F that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.

Column 1	Column 2
☑ 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	☐

10.2 ***Certification Statement***

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

Name (print or type first and last name)	Official title
Brian Paulsen	Head of Environmental Engineering
Signature	**Date signed**
Brian Paulsen	2-2-2024

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN002

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

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

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

	Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
		Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1.	Oil and grease	< 5 mg/L		< 5 mg/L		6	See Attach B.
2.	Biochemical oxygen demand (BOD_5)	97.3 mg/L		35.6 mg/L		6	See Attach B.
3.	Chemical oxygen demand (COD)	36 mg/L				1	2018 Data
4.	Total suspended solids (TSS)	86 mg/L		46.4 mg/L		6	See Attach B.
5.	Total phosphorus	2.6 mg/L		1.3 mg/L		6	See Attach B.
6.	Total Kjeldahl nitrogen (TKN)	18.8 mg/L		12.7 mg/L		6	See Attach B.
7.	Total nitrogen (as N)	19.4 mg/L		13.4 mg/L		6	See Attach B.
8.	pH (minimum)	6.77				6	See Attach B.
	pH (maximum)	7.14				6	See Attach B.

[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).

This page intentionally left blank.

This page intentionally left blank.

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN002

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

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

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

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (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		
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).

This page intentionally left blank.

EPA Identification Number	NPDES Permit Number	Facility name	Outfall Number
ALR000008813	AL0060470	Pilgrim's Pride Corporation	DSN002

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

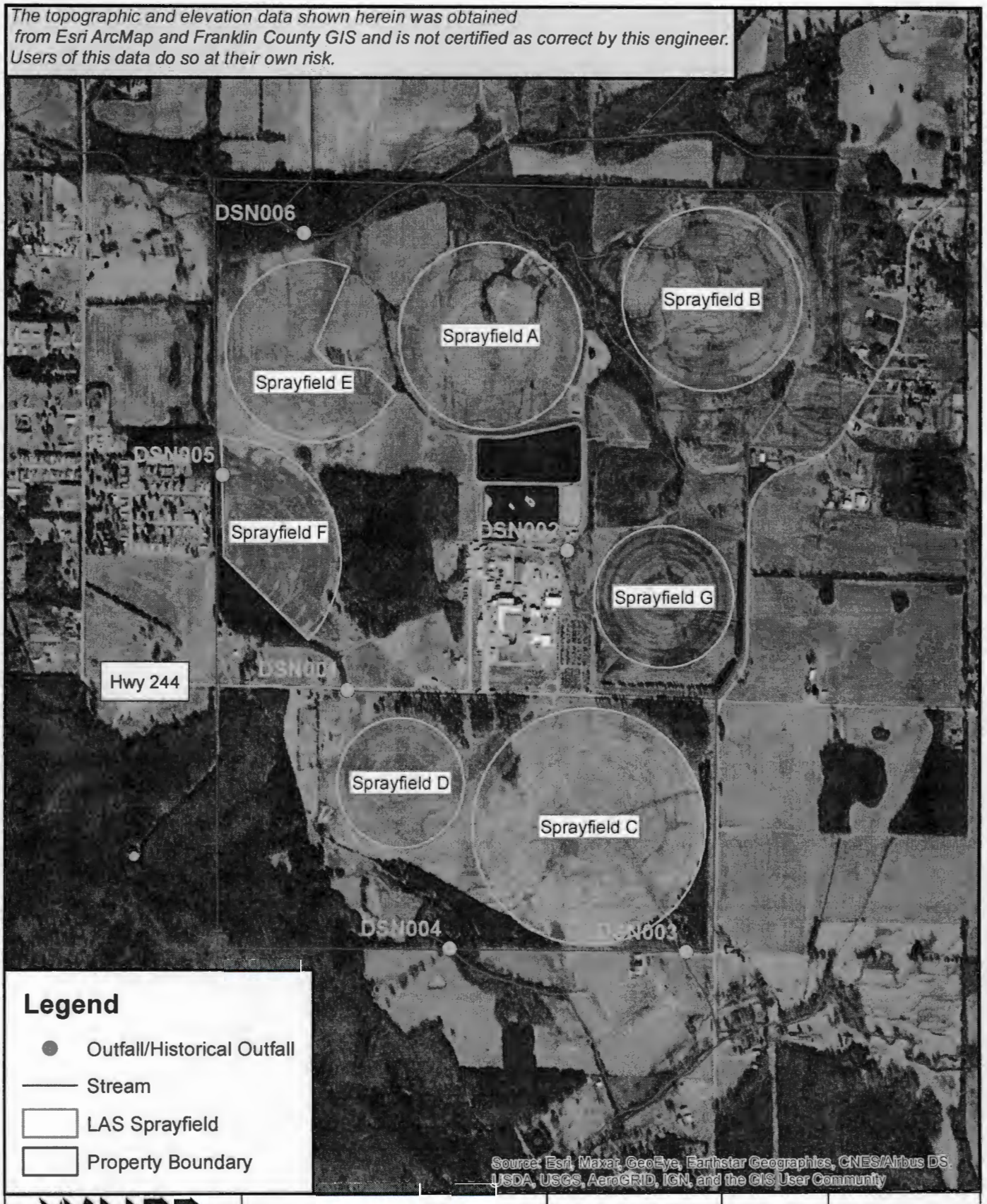
TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

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

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

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

Stormwater Grab samples are taken from the outfall, semi-annually as required by the NPDES Permit. The date, rainfall amount (inches), days since last measurable rain event, and other data is recorded for each rain event. The flow is estimated using the TR-55 hydrology method.



WHEE
WOODRUFF & HOWE ENVIRONMENTAL ENGINEERING, INC.
4405 Canton Hwy, Suite 100
Cumming, GA 30040

PILGRIM'S PRIDE CORPORATION
RUSSELLVILLE PROCESSING PLANT

FIGURE 1 - AERIAL MAP

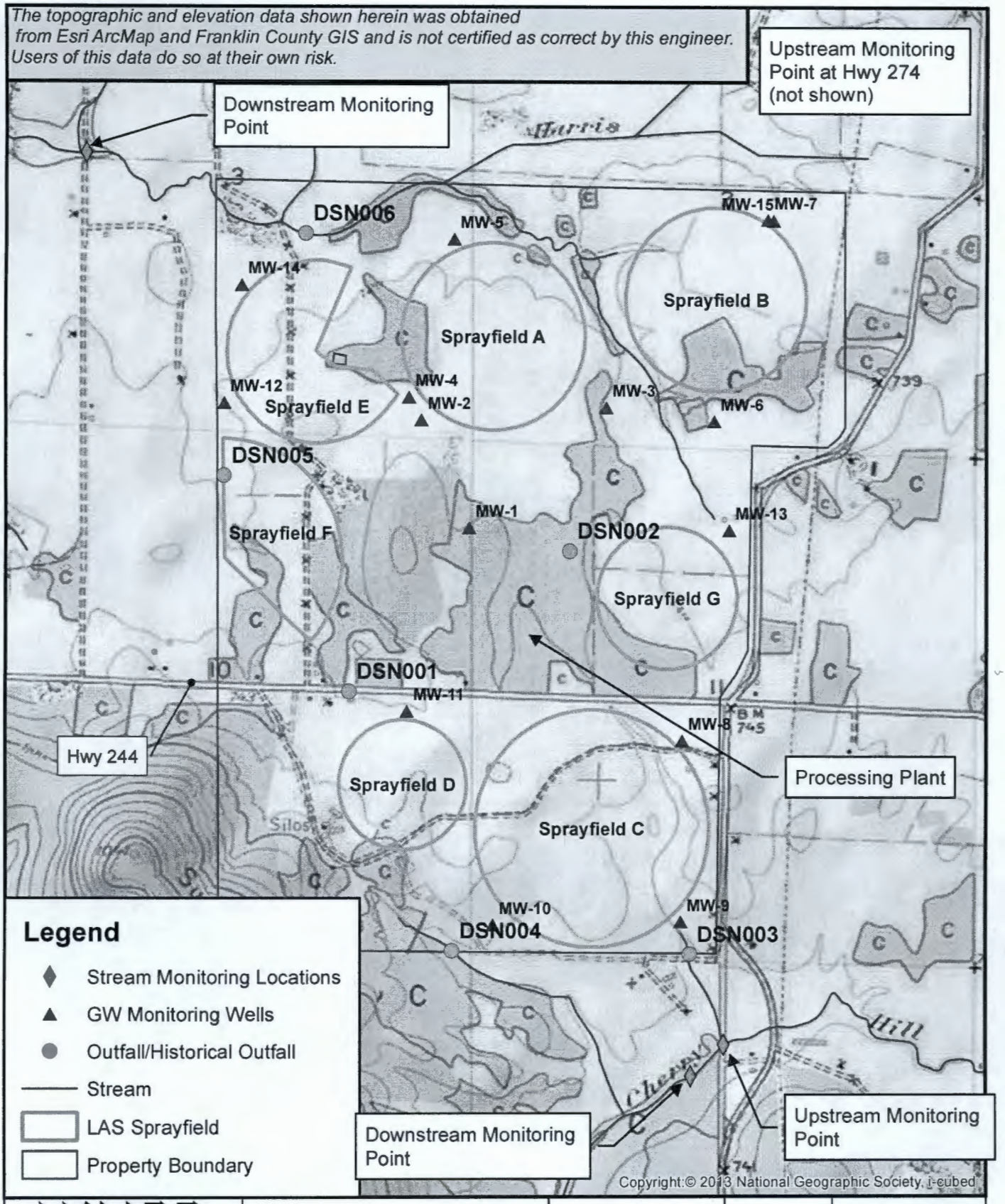
2045 HIGHWAY 244
RUSSELLVILLE
ALABAMA 35653

FRANKLIN COUNTY

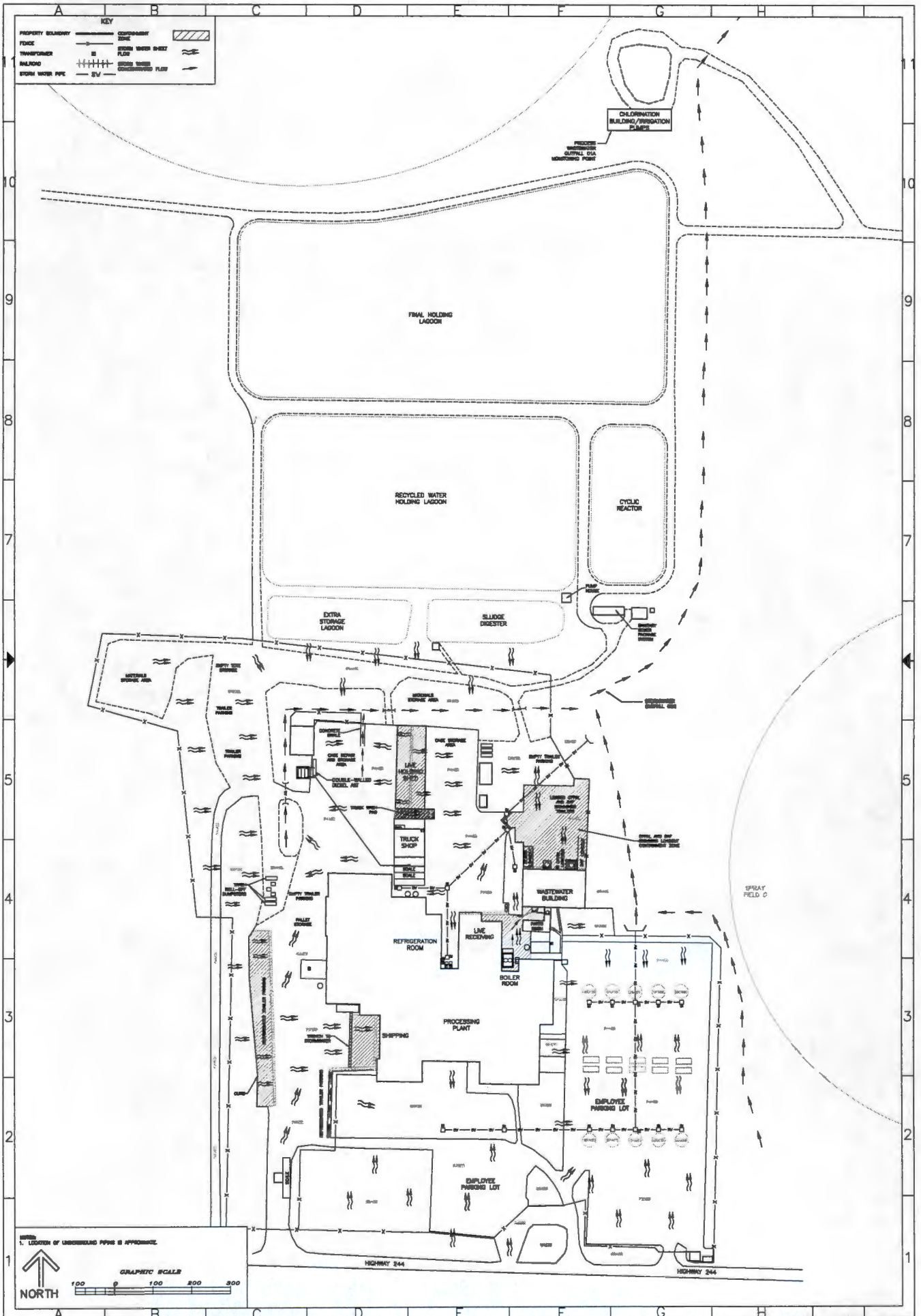
N

0 0.125 0.25 0.5 Miles

DATE
12/29/2023



WHEE WOODRUFF & HOWE ENVIRONMENTAL ENGINEERING, INC. 4405 Canton Hwy, Suite 100 Cumming, GA 30040	PILGRIM'S PRIDE CORPORATION RUSSELLVILLE PROCESSING PLANT FIGURE 2 - TOPO MAP	2045 HIGHWAY 244 RUSSELLVILLE ALABAMA 35653 FRANKLIN COUNTY	N DATE 12/29/2023 0 0.125 0.25 0.5 Miles



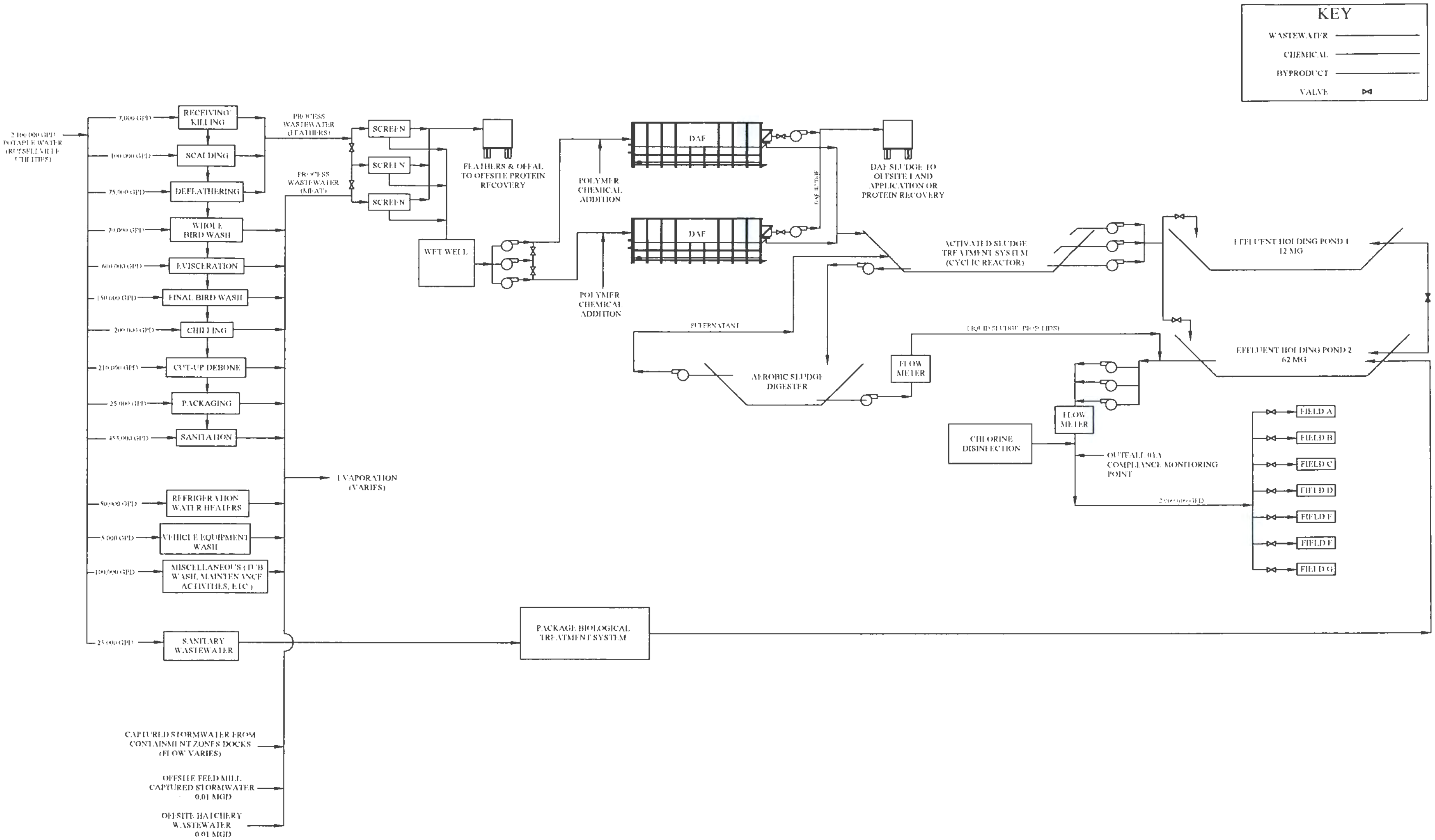
JOB NO.	
20-086	
DRAWN BY: MM	CHECKED BY: TTS
SCALE: 1" = 100'	SHEET: FIGURE 3
DATE: 12/6/2023	REV

NO.	REVISION	DATE

PILGRIM'S PRIDE CORPORATION
PROCESSING PLANT
2045 HIGHWAY 244
RUSSELLVILLE, AL

FIGURE 3
PLANT MAP

WHEE
WOODRUFF & HOWE
ENVIRONMENTAL ENGINEERING, INC.
4405 CANTON HWY, SUITE 100
CUMMING, GEORGIA 30040
TEL: 770-844-0037



NOTE:

1. DIAGRAM IS FOR NPDES PERMITTING ONLY AND IS NOT TO BE USED FOR DESIGN OR ENGINEERING.
2. PROCESS WASTEWATER USES ARE BASED ON "POULTRY WASTEWATER OPERATORS TRAINING MANUAL" DEVELOPED BY US POULTRY & EGG ASSOCIATION AS WELL AS PREVIOUS WATER BALANCE DEVELOPED FOR RUSSELLVILLE PLANT. FLOWS ARE ESTIMATED AND SUBJECT TO CHANGE BASED ON FOOD SAFETY REGULATIONS, MARKET CONDITIONS, PROCESSING SYSTEMS, PROCESS WATER RECYCLING AND VARIOUS OTHER FACTORS..

WHEE WOODRUFF & HOWE ENVIRONMENTAL ENGINEERING, INC.

FIGURE 4
WASTEWATER TREATMENT PROCESS FLOW DIAGRAM

PILGRIM'S PRIDE CORPORATION
PROCESSING PLANT
2045 HIGHWAY 244
RUSSELLVILLE, AL

Pilgrim's

NO.	REVISION	DATE

JOB NO. 23-112	
DRAWN BY: TTS	CHECKED BY: SRW
SCALE N.T.S.	SHEET FIGURE 4
DATE 1/15/24	REV

Pilgrim's Pride Corporation
Environmental Permits
Attachment A - Alabama Facility Permit Listing

Facility Name	ADEM E-File Master ID	Permit Type	Permit Number
Pilgrim's Pride Boaz Truck Shop Boaz, Alabama	5222	NPDES General Permit	ALG141148
Pilgrim's Pride Falkville Feed Mill Falkville, Alabama	3137	Air Permit	712-053-X013 712-053-X014 712-053-X015 712-053-X016 712-053-X017 712-053-X018
		NPDES General Permit	ALG15-0053
Pilgrim's Pride Enterprise Processing Plant Enterprise, Alabama	3136	Air Permit	602-0005-X006
		Synthetic Minor Operating Permit	602-0005-X007
		NPDES Individual Permit	AL0003697
		Public Water Supply ID#	AL0000292
		Water Supply Permit	2016-808
Pilgrim's Pride Midland City Feed Mill Midland City, Alabama	36231	Air Permit	604-0026-X004 604-0026-X005 604-0026-X006 604-0026-X007 604-0026-X008 604-0026-X009 604-0026-X010
		NPDES General Permit	ALG15-0169
Pilgrim's Pride Guntersville Processing Plant Guntersville, Alabama	5225	Air Permit	711-0058-X001 711-0058-X002
		State Indirect Discharge Permit	IU084800032
		NPDES Individual Permit	AL0082384
Pilgrim's Pride Guntersville Truck Shop Guntersville, Alabama	5229	NPDES General Permit	ALG140080
		Scrap Tire	S00000-05229
Pilgrim's Pride Guntersville Feed Mill Guntersville, Alabama	5220	Air Permit	711-006-X017 711-006-X030 711-006-X031 711-006-X032 711-006-X033 711-006-X034 711-006-X035 711-006-X036 711-006-X037
		NPDES General Permit	ALG150045
Pilgrim's Pride Russellville Processing Plant Russellville, Alabama	5226	NPDES Individual Permit	AL0060470 - Expired on 7/31/17
Pilgrim's Pride Tuscumbia Feed Mill Tuscumbia, Alabama	5219	Air Permit	701-0038-X006 701-0038-X012 701-0038-X014 701-0038-X016 701-0038-X017 701-0038-X020
		Underground Injection Control Permit	ALSI9917427
		NPDES General Permit	ALG150040
Pilgrim's Pride Ranburne Hatchery Ranburne, Alabama	47497	Underground Injection Control Permit	ALSI9915003

Attachment B - Historical Irrigated Effluent Sampling Data
Pilgrim's Pride Corporation - Russellville Processing Plant

L0060470 Outfall DSN01A

Month	BOD (mg/L)			BOD (lbs/day)	pH (S.U.)		O&G (mg/L)			O&G (lbs/day)	Total Phosphorus (mg/L)		TP (lbs/day)	E. Coli (col/100mL)	fecal coliform (col/100mL)	Irrigated Flow (MGD)		Total Nitrogen Land Applied (lbs/ac)	Total Nitrogen Land Applied (lbs/ac) - Cumulative for Year
	Min	Max	Average	Average	Min	Max	Min	Max	Average	Average	Average	Max	Average	Max	Max	Average	Max		
Nov. 2020	18	81	40	565	6.99	7.15	<5	<5	ND	35.3	11.0	15.5	155	<10	<10	1.6925	3.0160	14	215
Dec. 2020	18	67	34	490	6.88	7.05	<5	<5	ND	36.1	8.3	10.2	120	<10	<10	1.7287	2.8980	13	228
Jan. 2021	29	98	48	644	6.77	6.99	<5	<5	<5	33.5	9.3	12.6	125	<10	<10	1.6066	2.5240	14	14
Feb. 2021	22	49	38	330	6.29	7.05	<5	<5	<5	21.7	8.1	9.8	70	<10	<10	1.0393	4.4160	4	18
Mar. 2021	30	72	48	648	7.21	6.96	<5	<5	<5	33.8	8.8	11.2	119	<10	<10	1.6184	3.3960	9	27
Apr. 2021	29	57	39	642	7.09	7.18	<5	<5	<5	41.2	11.2	13.2	184	<10	<10	1.9738	3.3020	7	34
May. 2021	24	71	42	627	6.92	7.21	<5	<5	<5	37.3		13.8	-	<10	<10	1.7887	3.7600	12	46
Jun. 2021	33	78	56	915	6.78	7.1	<5	<5	<5	40.8	10.0	17	163	<10	<10	1.9578	3.0990	13	59
July. 2021	7	47	24	330	6.83	6.9	<5	<5	<5	34.3	13.1	17.6	180	<10	<10	1.6456	3.2460	16	75
Aug. 2021	9	32	16	195	6.8	7.07	<5	<5	<5	30.4	15.3	19.4	186	<10	<10	1.4595	2.9410	11	86
Sep. 2021	35	87	66	1091	6.72	6.9	<5	14.5	3.60	59.5	13.3	18.8	220	<10	<10	1.9804	3.6630	13	99
Oct. 2021	22	62	47	541	6.71	6.99	<5	<5	<5	28.8	9.6	16	111	<10	<10	1.3805	2.6010	17	116
Nov. 2021	32	68	49	530	6.94	6.97	<5	<5	<5	27.1	7.0	7.6	76	<10	<10	1.2973	3.0490	9	125
Dec. 2021	37	80	50	657	6.82	6.94	<5	<5	<5	32.9	7.5	9.2	99	<10	<10	1.5755	2.5880	16	141
Jan. 2022	14	25	18	262	6.95	7.01	<5	<5	<5	36.4	7.3	11.2	106	<10	<10	1.7448	3.5070	19	19
Feb. 2022	27	62	39	472	6.92	7.1	<5	<5	<5	30.2	10.8	12.8	131	<10	<10	1.4490	3.3960	8	27
Mar. 2022	33	44	38	477	6.88	7	<5	<5	<5	31.4	12.8	14.8	161	602	<10	1.5035	2.9710	24	51
Apr. 2022	24	68	45	681	6.93	6.98	<5	<5	<5	37.8	11.0	12.2	166	<10	<10	1.8134	3.5180	41	92
May. 2022	23	59	40	549	7.08	7.13	<5	17.3	7.40	101.6	11.6	14.6	159	<10	<10	1.6447	2.7290	43	135
Jun. 2022	39	81	54	810	7.14	7.35	<5	<5	<5	37.5	11.4	15	171	<10	<10	1.7980	3.8310	48	183
July. 2022	63	182	106	1397	7.06	7.48	<5	9.84	6.2	81.7	23.4	32.5	308	<10	<10	1.5791	2.9100	41	224
Aug. 2022	29	78	58	772	6.83	6.93	<5	8.57	5.71	76.0	12.6	16	168	<10	<10	1.5956	3.1390	25	249
Sep. 2022	32	85	49	644	6.47	6.81	<5	<5	<5	32.8	9.9	19.6	130	<10	<10	1.5743	2.6570	15	264
Oct. 2022	5	68	25	247	6.56	6.89	<5	<5	<5	24.7	9.3	15.2	92	<10	<10	1.1823	2.6840	17	281
Nov. 2022	10	57	25	289	6.64	6.89	<5	<5	<5	28.9	14.6	18.6	169	<10	<10	1.3838	2.7120	23	304
Dec. 2022	15	54	35	431	6.67	6.71	<5	<5	<5	30.8	13.0	18.6	160	<10	<10	1.4772	2.8790	18	322
Jan. 2023	29	78	51	762	6.68	7.31	<5	<5	<5	37.3	9.5	11.6	142	<10	<10	1.7895	2.8060	21	21
Feb. 2023	4	20	15	177	7.27	7.54	<5	<5	<5	29.4	8.8	12	104	<10	<10	1.4113	2.5970	16	37
Mar. 2023	15	30	23	288	7.21	7.3	<5	<5	<5	31.3	11.9	13.7	149	<10	<10	1.5003	2.6180	24	61
Apr. 2023	17	262	92	1099	6.9	7.08	<5	<5	<5	29.9	12.6	13.9	150	<10	<10	1.4310	2.7580	28	89
May. 2023	36	68	49	675	6.7	7.21	<5	<5	<5	34.5	13.7	15.6	189	<10	<10	1.6516	2.9640	58	147
June. 2023	35	77	53	750	6.86	7.02	<5	<5	<5	35.4	16.0	21.9	226	<10	<10	1.6952	3.0040	40	187
July. 2023	36	54	46	523	6.91	7.11	<5	<5	<5	28.4	19.7	22.2	224	<10	<10	1.3630	2.5630	28	215
Aug. 2023	30	60	38	575	6.91	7.17	<5	6.15	<5	37.8	16.3	17.9	247	<10	<10	1.8128	3.5700	34	249
Sept. 2023	50	68	58	614	6.97	7.22	<5	<5	<5	26.4	18.3	25.1	194	<10	<10	1.2677	2.5300	37	286
Oct. 2023	36	59	49	674	6.76	7.38	<5	<5	<5	34.4	12.8	16.5	176	<10	<10	1.6486	2.8140	24	310
12-Month Average			**44.5**	**571**					**< 5**	**32**	**13.9**		**177**			**1.536**			
12-Month Max		**262**			**6.64**	**7.54**		**6.15**				**25.1**		**< 10**	**< 10**		**3.570**	**58**	**322**
36-Month Average			**44.5**	**594**					**<5**	**38**	**12.0**		**154**			**1.585**			
36-Month Max		**262**			**6.29**	**7.54**		**17.30**				**32.5**		**602**	**< 10**		**4.416**	**58**	**322**

Attachment B - Historical Irrigated Effluent Sampling Data
Pilgrim's Pride Corporation - Russellville Processing Plant

Permit No. AL0060470 Outfall DSN01A

Date	Chloride	Fluoride	Nitrite-N	Nitrate-N	NO3/NO2-N	Sulfate	ADMI Color	COD	MBAS	NH3-N	Sulfite	TKN	TOC	Org N	TSS
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
12/19/2023	73.9	< .1	0.174	3.37	3.55	23.1	30	83	< .025	7.66	< 2	15.7	12.7000	8.04	22.7
12/27/2023	89.7	< .1	0.11	3.17	3.28	22.4	44	108	< .025	64	< 2	16.8	13.5000	< .2	58.3
Average	**81.8**	-	**0.1**	**3.27**	**3.42**	**22.8**	**37.0**	**95.5**	-	**35.8**	-	**16.3**	**13.1**	**8.0**	**40.5**
Max	**89.7**	-	**0.2**	**3.37**	**3.55**	**23.1**	**44.0**	**108.0**	-	**64.0**	-	**16.8**	**13.5**	**8.0**	**58.3**

Date	Titanium	Aluminum	Barium	Chromium	Copper	Iron	Magnesium	Manganese	Molybdenum	Nickel	Selenium	Vanadium	Zinc
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
12/19/2023	< .0025	0.0245	0.0098	< .005	0.0172	0.0945	5.35	0.0274	< .005	< .005	< .005	< .005	0.0401
12/27/2023	< .0025	0.0391	0.00962	< .005	0.0218	0.138	5.32	0.0324	< .005	< .005	< .005	< .005	0.0391
Average	-	**0.0318**	**0.00971**	-	**0.0195**	**0.116**	**5.34**	**0.0299**	-	-	-	-	**0.0396**
Max	-	**0.0391**	**0.00980**	-	**0.0218**	**0.138**	**5.35**	**0.0324**	-	-	-	-	**0.0401**

Permit No. AL0060470 Outfall DSN002

Bi-Annual	Flow (MGD)	BOD (mg/L)	pH (S.U.)	TSS (mg/L)	O&G (mg/L)	TKN (mg/L)	NO_2/NO_3 (mg/L)	Total N (mg/L)	Tot Phos (mg/L)	E. Coli (col/100mL)
2020 2nd Half	1.2264	83.70	7.14	84	< BDL	18.1	1.06	19.2	2.60	< BDL
2021 1st Half	0.1358	9.40	6.81	38	< BDL	2.7	0.94	3.6	0.21	4,400
2021 2nd Half	0.2716	97.30	6.77	< BDL	< BDL	18.5	0.22	18.7	0.81	180
2022 1st Half	0.4512	2.40	6.84	15	< BDL	5.7	1.30	7.0	0.49	1,250
2022 2nd Half	1.6206	17.30	6.88	86	< BDL	18.8	0.62	19.4	2.40	24,200
2023 1st Half	0.1927	3.40	7.05	9.16	< BDL	12.3	< BDL	12.3	0.99	135
Average	**0.650**	**35.58**		**46.43**	**< BDL**	**12.7**	**0.83**	**13.4**	**1.25**	**1,265**
Max	**1.621**	**97.30**	**7.14**	**86.00**	**0**	**18.8**	**1.30**	**19.4**	**2.60**	**24,200**

Permit No. AL0060470 Location: Cherry Hill Creek

Date	Upstream D.O. (mg/L)	Downstream D.O. (mg/L)	Upstream NH_3-N (mg/L)	Downstream NH_3 N (mg/L)	Upstream TKN (mg/L)	Downstream TKN (mg/L)	Upstream E. Coli (col/100mL)	Downstream E. Coli (col/100mL)	Upstream pH (s.u.)	Downstream pH (s.u.)	Upstream BOD (mg/L)	Downstream BOD (mg/L)	Upstream NO_3/NO_2-N (mg/L)	Downstream NO_3/NO_2-N (mg/L)	Upstream Total Phosphorus (mg/L)	Downstream Total Phosphorus (mg/L)
1/5/2021			< .1	< .1	< .1	< .1	230	390			< 2	< 2	0.863	0.97	< .1	< .1
2/2/2021			< .1	0.12		1.99	< 10	< 10			< 2	< 2	0.700	0.80	< .1	< .1
3/9/2021			< .1	< .1	0.1	0.21	< 10	< 10			< 2	< 2	0.804	0.79	0.19	< .1
4/13/2021	8.41	8.78	< .1	< .1	< .1	0.17	300	280	6.85	6.81	< 2	< 2	0.471	0.49	< .1	< .1
5/5/2021	8.81	9.11	0.166	0.11	1.0	1.39	4,400	2,200	6.95	6.97	2.69	2.81	1.40	1.40	< .1	< .1
6/1/2021	8.68	9.15	< .1	0.644	0.299	1.23	50	< 10	6.79	7.00	< 2	2.89	0.723	1.13	< .1	0.21
7/6/2021	12.81	12.24	0.115	0.677	0.403	0.936	25	2	7.21	7.18	< 2	< 2	0.637	2.34	< .1	0.64
8/17/2021	8.54	9.01	0.254	0.236	1.43	1.15	10	70	6.63	6.89	< 2	3.97	< .0530	1.91	< .1	2.90
9/7/2021	9.85	9.61	0.123	0.238	0.55	0.536	< 10	< 10	6.77	6.79	< 2	< 2	0.562	0.573	0.16	0.13
10/5/2021	9.17	9.25	< .1	< .1	0.406	0.6	160	170	6.60	6.70	< 2	< 2	0.44	0.66	< .1	< .1
11/9/2021	9.35	9.11	< .1	< .1	1.21	1.21	200	< 10	6.87	6.80	< 2	< 2	0.539	1.95	0.13	< .1
12/7/2021	12.30	11.40	< .1	< .1	3.79	2.96	15,500	19,900	6.83	6.75	< 2	< 2	0.593	0.612	< .1	< .1
1/5/2022	9.11	9.87	< .1	< .1	2.4	2.95	905	591	6.82	6.85	< 2	< 2	0.73	0.71	< .1	< .1
2/1/2022	9.41	9.64	< .1	< .1	0.934	0.819	173	228	6.88	6.90	< 2	< 2	0.903	0.711	< .1	< .1
3/1/2022	8.61	8.58	< .1	< .1	< 1.5	< 1.5	199	228	6.93	6.85	< 2	< 2	0.475	0.468	< .1	< .1
4/6/2022	9.01	9.18	< .1	0.164	2.23	2.46	1,660	3,080	7.21	6.96	< 2	2.54	0.285	0.904	< .1	0.55
5/3/2022	9.71	9.62	< .1	< .1	1.75	1.42	199	241	7.30	7.35	8.0	< 2	0.54	0.526	< .1	< .1
6/7/2022	9.00	9.14	< .1	< .1	< 2	< 2	197	131	7.04	6.94	< 2	< 2	0.995	0.999	< .1	< .1
7/12/2022			0.16	0.684	1.6	2.0	246	63			< 2	< 2	0.405	1.520	0.17	0.57
8/9/2022			< .1	< .1	1.2	0.365	134	203			< 2	< 2	1.150	1.200	0.10	0.14
9/6/2022			0.113	0.151	1.8	1.4	213	161			< 2	< 2	0.895	1.090	< .1	0.12
10/4/2022	9.36	9.42	< .1	0.127	3.18	0.8	41	3,650	6.43	6.63	< 2	< 2	1.23	1.90	0.15	< .1
11/8/2022	9.80	8.94	< .1	0.376	1.86	1	309	161	6.18	6.65	4.35	< 2	< .6	2.20	0.10	0.98
12/6/2022	9.00	9.02	< .1	< .1	1.15	0.876	5,790	5,480	6.44	6.32	3.25	2.9	1.25	1.26	0.36	0.21
1/10/2023	9.71	9.61	< .1	< .1	2.58	0.494	327	259	7.51	7.36	5.19	5.39	1.31	1.44	0.101	0.0486
2/7/2023	9.84	9.73	< .1	< .1	0.91	0.847	1,150	1,200	8.25	7.89	< 2	< 2	1.41	1.43	0.0338	0.04
3/7/2023	9.54	9.47	< .1	< .1	4.36	0.784	226	158	7.81	7.67	3.86	3.87	0.84	0.872	0.046	0.05
4/4/2023	9.59	9.50	< .1	< .1	1.62	1.900	1,090	906	6.21	5.61	2.41	< 2	0.626	0.610	0.0499	0.0468
5/2/2023	9.58	9.52	< .1	< .1	0.827	0.660	201	158	6.85	6.77	< 2	< 2	1.1	1.1	0.0362	0.0346
6/6/2023	9.55	9.60	< .1	0.185	1.88	1.810	345	148	6.74	6.63	5.81	5.30	0.745	0.812	0.0954	0.22
7/5/2023			0	0.125	1.77	1.900	379	209			3.19	< 2	1.070	1.060	0.1240	0.13
8/1/2023			< .1	< .1	1.79	3.120	75	2,610			3.51	4.58	1.160	1.260	0.1290	0.30
9/5/2023	9.49	9.32	< .1	< .1	4.3	2	73	1,720	6.95	7.02	< 2	4.2	1.04	1.30	0.19	0.17
Average	**9.53**	**9.51**	**0.2**	**0.3**	**1.7**	**1.3**	**280**	**383**	**6.9**	**6.9**	**4.2**	**3.8**	**0.8**	**1.1**	**0.13**	**0.39**
Max	**12.81**	**12.24**	**0.3**	**0.7**	**4.4**	**3.1**	**15,500**	**19,900**	**8.3**	**7.9**	**8.0**	**5.4**	**1.4**	**2.3**	**0.36**	**2.90**

Permit No. AL0060470 Location: Harris Creek

Date	Upstream D.O. (mg/L)	Downstream D.O. (mg/L)	Upstream NH_3-N (mg/L)	Downstream NH_3-N (mg/L)	Upstream TKN (mg/L)	Downstream TKN (mg/L)	Upstream E. Coli (col/100mL)	Downstream E. Coli (col/100mL)	Upstream pH (s.u.)	Downstream pH (s.u.)	Upstream BOD (mg/L)	Downstream BOD (mg/L)	Upstream NO_3/NO_2-N (mg/L)	Downstream NO_3/NO_2-N (mg/L)	Upstream Total Phosphorus (mg/L)	Downstream Total Phosphorus (mg/L)
1/5/2021			< .1	0.674	0.288	1.060	150	490			< 2	6.2	0.401	1.56	< .1	0.73
2/2/2021			0.231	< .1	0.590	0.211	110	50			< 2	< 2	1.570	0.44	< .1	< .1
3/9/2021			0.151	0.150	0.207	0.487	< 10	< 10			< 2	< 2	0.730	1.47	0.19	0.30
4/13/2021	8.64	8.51	< .1	0.136	0.296	0.441	1,120	10	6.83	6.81	< 2	< 2	0.139	1.16	< .1	0.13
5/5/2021	8.71	8.51	< .1	0.268	1.94	1.44	550	4,400	7.07	6.93	< 2	3.8	0.053	0.99	< .1	0.58
6/1/2021	8.17	8.67	0.225	0.706	0.514	1.7	50	210	6.75	6.85	5.93	7.7	< .053	1.85	< .1	1.18
7/6/2021	12.14	12.41	< .1	0.51	0.38	4.13	140	33	7.10	7.07	< 2	< 2	< .053	2.18	< .1	0.90
8/17/2021	8.10	8.31	0.154	2.6	0.764	5.98	< 10	50	6.63	6.89	< 2	3.97	< .053	1.91	< .1	2.90
9/7/2021	8.71	9.14	0.208	9.37	0.32	13.7	< 10	< 10	6.82	6.87	< 2	11.4	< .053	1.13	< .1	3.35
10/5/2021	9.14	8.96	0.109	5.67	0.447	7.95	210	2,120	6.80	6.79	< 2	7.9	< .053	1.18	< .1	2.56
11/9/2021	9.17	8.71	< .1	0.111	2.41	1.79	60	140	6.91	6.86	6.21	3.3	0.12	1.34	< .1	0.35
12/7/2021	10.80	11.80	< .1	0.26	1.45	2.81	3,260	14,100	6.72	6.70	< 2	2.62	0.489	1.27	< .1	0.10
1/5/2022	8.71	9.21	< .1	0.481	3.47	3.44	203	1,310	6.84	6.90	< 2	< 2	0.535	1.72	< .1	< .1
2/1/2022	9.10	9.17	< .1	0.382	1.45	2.72	31	134	6.97	7.01	< 2	2.3	0.315	1.41	< .1	0.28
3/1/2022	9.61	9.18	< .1	0.28	< 1.5	1.51	259	414	6.88	6.80	< 2	2.3	0.264	1.06	< .1	0.39
4/6/2022	8.18	8.61	< .1	< .1	2.29	2.17	275	1,610	7.10	7.11	< 2	< 2	0.251	0.30	< .1	< .1
5/3/2022	9.28	9.15	< .1	0.47	2.41	0.85	272	512	7.11	7.03	< 2	5.42	0.091	1.39	< .1	0.85
6/7/2022	8.10	8.15	< .1	0.37	< 2	2.2	132	379	6.90	6.95	< 2	2.33	0.0885	1.42	< .1	0.10
7/12/2022			< .1	6.25	1.4	11.2	158	388			< 2	12.50	< .05	1.34	< .1	3.30
8/9/2022			< .1	0.67	0.6	2.4	1,370	3,450			< 2	5.58	< .6	1.18	0.15	0.16
9/6/2022			< .1	2.18	4.91	1.6	241	1,500			< 2	10.20	< .6	1.01	< .1	0.73
10/4/2022	9.86	9.84	< .1	2.19	0.677	3.72	235	428	6.34	6.11	< 2	2.9	0.619	1.70	< .1	0.69
11/8/2022	9.30	9.27	< .1	3.49	1.11	5.55	63	97	6.64	6.41	< 2	5.37	< .6	1.00	0.31	3.95
12/6/2022	9.32	9.30	< .1	0.11	1.37	1.43	1,200	5,170	6.39	6.39	< 2	7.14	0.89	1.56	< .1	1.55
1/10/2023	9.48	9.17	< .1	0.547	0.717	1.95	97	272	7.58	7.48	4.97	5.48	0.971	2.02	0.0656	1.45
2/7/2023	9.35	9.23	< .1	0.11	4.53	1.16	20	836	7.05	7.72	< 2	< 2	1.19	1.89	< .025	0.351
3/7/2023	9.11	9.47	< .1	0.16	0.56	1.03	132	243	7.33	7.48	3.08	3.31	0.358	1.23	0.05	0.504
4/4/2023	9.32	9.43	< .1	< .1	1.70	1.51	384	389	6.50	6.44	< 2	2.12	0.222	0.77	0.0701	0.323
5/2/2023	9.34	9.45	< .1	1.61	1.22	4.09	134	410	6.65	6.47	< 2	8.23	0.16	1.81	0.0325	1.54
6/6/2023	9.38	9.49	< .1	4.04	1.66	6.49	620	2,060	6.41	6.68	5.95	13.80	< .053	1.41	0.0567	2.860
7/5/2023			< .1	0.47	1.70	2.72	134	379			2.58	3.13	< .05	1.35	0.0465	1.960
8/1/2023			< .1	0.86	1.96	8.17	216	651			5.64	6.12	< .6	1.24	0.159	5.070
9/5/2023	9.08	9.14	< .1	9	1.8	9	41	420	6.92	7.21	5.1	9.2	< .6	2.12	0.05	5.24
Average	**9.20**	**9.29**	**0.2**	**1.8**	**1.5**	**3.5**	**396**	**1376**	**6.8**	**6.9**	**4.9**	**5.9**	**0.5**	**1.4**	**0.11**	**1.48**
Max	**12.14**	**12.41**	**0.2**	**9.5**	**4.9**	**13.7**	**3,260**	**14,100**	**7.6**	**7.7**	**6.2**	**13.8**	**1.6**	**2.2**	**0.31**	**5.24**

Attachment C - Biocides and Corrosion Inhibitor Information
Pilgrim's Pride Corporation - Russellville Processing Plant

Important Note: Biocides and corrosion inhibitors and various food safety intervention chemicals are used in poultry processing and plant sanitation activities to produce wholesome chicken meat products. Corrosion/scale inhibitors are used in boiler and condenser systems to prevent/minimize corrosion and/or excessive scaling issues in these systems. Chemicals used for these purposes will change from time-to-time to meet food safety requirements, sanitation needs and utility system water treatment needs. Wastewater from the facility is treated in a wastewater treatment system and provides effective removal, neutralization, etc. of these chemicals. The facility also does not discharge directly to surface water, but rather utilizes a land treatment system for further treatment before ultimate release of the treated effluent to groundwater.

Trade Name	Use	General Composition	Average Quanity Used	Frequency of Use	Discharge to Wastewater Treatment?	Maximum proposed discharge concentrations to sprayfields[1]	EPA Registration No.	96-Hour Toxicity to Fish
Safe Foods Promoat XL	Antimicrobial, Intervention	25% Peracetic Acid	600 gal/day	daily	Yes	See Note 2.	N/A	1 ppm (LC 50 Fish - Oncorhynchus mykiss)
Safe Foods Ajust	Water/ Wastewater pH Adjustment	50% Sodium Hydroxide	125 gal/day	daily	Yes	< 60 ppm	N/A	No Data
Chlorine Gas	Wastewater Disinfection	Chlorine Gas	14 lbs/day	daily	Yes	< 1 ppm		0.014 ppm (LC 50 Fish - Oncorhynchus mykiss)
Garrett Callahan 2923-LT	Cooling water corrosion inhibitor	HEDP; Benzotriazole	1.1 gal/day	daily	Yes	0.70 ppm	N/A	3025 ppm (LC50 fathead minnow)
Garrett Callahan 315	Cooling water biocide	Magnesium Dinitrate	0.3 gal/day	daily	Yes	0.20 ppm	8540-23	No Data
Garrett Callahan 314T	Cooling water biocide	l-Bromo-3-Chloro-5	1.1 pound/day	daily	Yes	0.09 ppm	83451-4-8540	0.87 ppm (LC 50 Fish - Oncorhynchus mykiss)

Notes:
1) Concentrations shown are calculated based on quantity of product used and assumes no breakdown/treatment in the wastewater treatment system. Chemicals will breakdown in the wastewater treatment system. In addition, effluent is land applied and not discharged to surface waters.
2) Peracetic acid is highly unstable and reactive. Studies have shown peracetic acid concentrations in treated wastewater effluent to be non-detectable.

February 2, 2024

RE: Pilgrim's Pride Corporation – Russellville, AL Complex
Signatory Authority

ADEM
Attn: Industrial Section
P.O. Box 301463
Montgomery, AL 36130-1463

The Manager(s) listed below are hereby authorized to serve as my delegated Cognizant Official (or duly authorized representative) to sign permit applications, renewals (including NOI's) and terminations required by environmental and NPDES permits, regulations and/or compliance plans for the location listed below. Further, these Manager(s) are hereby designated to serve as a Cognizant Official for signing reports, DMRs, inspection certifications, etc., by environmental permits, regulations and other information requested by ADEM.

Delegated Cognizant Official			
Name	**Title**	**Legal Entity**	**Facility Address**
Joshua Griffin	Complex Manager	Pilgrim's Pride Corporation – Tuscumbia Feed Mill & Truck Shop	2022 Golden Road Tuscumbia, AL 35674
Joshua Griffin	Complex Manager	Pilgrim's Pride Corporation – Falkville Feed Mill & Truck Shop	4234 US Highway 31 Falkville, AL 35622
Joshua Griffin	Complex Manager	Pilgrim's Pride Corporation – Russellville Processing Plant	2045 Highway 244 Russellville, AL 35654

I further certify that the individual(s) named above meets the criteria for an Authorized Representative as defined an ADEM Admin. Code r. 335-6-5-.14(2)(b) or 335-6-6-.09(2)(b), as applicable.

These Manager(s) listed below are hereby designated to serve as a Cognizant Official for signing reports, DMRs, inspection certifications, etc., by environmental permits, regulations and other information requested by ADEM.

Delegated Cognizant Official			
Name	**Title**	**Legal Entity**	**Facility Address**
Mike Elliott	Feed Mill Manager	Pilgrim's Pride Corporation – Tuscumbia Feed Mill & Truck Shop	2022 Golden Road Tuscumbia, AL 35674
Dave Fischer	Complex Environmental Manager		
Jeff McCauley	Feed Mill Manager	Pilgrim's Pride Corporation – Falkville Feed Mill & Truck Shop	4234 US Highway 31 Falkville, AL 35622
Dave Fischer	Complex Environmental Manager		
Dave Fischer	Complex Environmental Manager	Pilgrim's Pride Corporation – Russellville Processing Plant	2045 Highway 244 Russellville, AL 35654

Regards,

Brian Paulsen – Head of Environmental Engineering

Brian Paulsen
Responsible Official's Signature

2-2-2024
Date

Safe Foods Corporation

Safety Data Sheet

1. Product Identification

Product Name:	Ajust™ pH
General Use:	pH adjuster
Manufactured by:	Univar 1925 Redmond Rd. Jacksonville, AR 72076
Distributed by:	Safe Foods Corporation 1501 E. 8th Street North Little Rock, AR 72114 (501) 758-8500
Emergency:	CHEMTREC (800) 424-9300

2. Hazards Identification

Emergency Overview (OSHA Hazards): DANGER! May cause severe skin burns and eye damage. May cause respiratory irritation. Corrosive to metal.

Hazard Classification (categories in parentheses): Corrosive to skin (1A). Serious eye damage (1). Corrosive to digestive tract (2). Respiratory tract irritant (3). Corrosive to metal (1).

HMIS Rating:

Health	3
Flammability	0
Reactivity	1

Personal protection ration to be supplied by user depending on use conditions.

Hazard Statements: H290 May be corrosive to metals
H302 Harmful if swallowed
H314 May cause severe skin burns and eye damage
H333 May be harmful if inhaled

Precautionary Statements: P261 Avoid breathing mists/vapors/spray
P262 Do not get in eyes, on skin, or on clothing
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301 + P310 + P330 + P331 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting unless advised by physician or poison control center.
P302 + P352 + P362 + P333 + P313 IF ON SKIN: Wash with soap and water. Take off contaminated clothing and wash before reuse If skin irritation or a rash occurs: Get medical advice/attention.
P304 + P341 + P342 + P322 + P315 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Administer oxygen and get immediate medical attention.

P305 + P351 + P338 + P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical advice/attention.

NOTE—Information provided in this MSDS represents characteristics and physical data of the concentrated material as supplied.

3. Composition

Chemical Family: Sodium hydroxide formulation

Ingredient Wt %	CAS Number	OSHA PEL	ACGIH TLV	NIOSH REL	NIOSH IDLH
Sodium Hydroxide 48 - 50	1310-73-2	2 mg/m3 (ceiling)	2 mg/m3 (ceiling)	2 mg/m3	10 mg/m3

NOTE— The other components of this product are proprietary, and the formulation is maintained as a Trade Secret. Safety and hazard information in this SDS are for the blended formulation as supplied. Specific formulation information is immediately available to treating physicians or nurses in emergency situations, or to health professionals, employees, or designated representatives in non-emergencies where prior written consent is obtained.

Mixture with acidic products at normal use concentrations, or when delivered separately into a water stream or water volume, or mixture of either of these products as delivered into a diluted solution of the other, does not increase any hazard or create any new personnel or environmental concern beyond that of the original products themselves. The only change when these two products are blended is to create a buffered system that can reduce the alkalinity normally expected with Terrastat Plus WG.

4. First Aid

Most important symptoms/effects: May cause severe skin burns and eye damage. May cause respiratory irritation.
Inhalation: Immediately remove individual to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Get immediate medical advice.
Skin Contact: Remove contaminated clothing and foot wear. Wash thoroughly with soap and water and do not reuse clothing until properly cleaned. Get immediate medical attention.
Eye Contact: Immediately flush eyes with plenty of cool, clean water for at least 15 minutes. Keep eyelids apart to maintain maximum contact with water. Do not allow the individual to rub their eyes. Get immediate medical attention.
Ingestion: If individual is conscious and able to swallow, quickly have the victim drink water to dilute. Do not give anything by mouth if individual is unconscious or is having convulsions. Induce vomiting only if advised to do so by a physician or poison control center. Contact a physician or poison control center immediately.

5. Fire and Explosion Data

Flash Point: > 212 Fahrenheit – Tag Closed Cup
Extinguishing Media: Water spray, foam, dry chemical or carbon dioxide. Use water spray to keep fire-exposed containers cool. If a spill or leak has ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from a fire. Do not flush into a storm drain or public sewer.
Special Procedures: Use self-contained breathing apparatus (SCBA) and proper personal protection clothing.
Unusual Hazards: There are no known unusual explosion or fire hazards associated with this material in its virgin form. However, in a fire-fighting scenario, caustic vapors may be released.

6. Accidental Release Procedures

Personal precautions, protective equipment, and emergency procedures: Clear area of non-essential personnel. Wear appropriate protective gear to prevent eye and prolonged skin contact.

Methods and materials for containment and cleaning up: Contain spill or leak and soak up as much material as possible. Put collected material into suitable containers for disposal.
Close or cap valves and/or block or plug hole in leaking container and transfer to another container. Use appropriate containment to avoid runoff or release to sewer or waterways.

Recovered solids or liquids may be disposed of in a permitted waste management facility. Consult Federal, state or local disposal authorities for approved procedures. Any disposal must be in compliance with Federal, state, or local regulations.

7. Handling and Storage

Precautions for safe handling: Eye wash and safety showers are required in the immediate work area. Check with your State OSHA to determine the maximum distance for stations to be placed in regards to possible chemical exposure.

Conditions for safe storage, including any incompatibilities: The material is safe to store in well-ventilated areas at ambient temperatures of between 35° and 120° F. Keep containers closed when not in use to prevent evaporative losses and possible contamination. Do not store concentrated product in any amphoteric metal container, such as aluminum, magnesium, or zinc. Protect from freezing.

8. Employee Protection and Control Measures

NOTE—No exposure standard exists for the formulated product.

Appropriate engineering controls: Normal ventilation has been found to be generally adequate. The end user must determine if the process or methods involved with the use of this material requires any additional ventilation.
Individual protection measures, such as personal protective equipment:

Eye Protection: Splash proof chemical goggles and full face shield should be used when working with concentrated product. If product is being sprayed or splashing is possible, splash proof chemical goggles or a splash shield in accordance with 29 CFR 1910.133 is recommended. Appropriate eye protection must be worn instead of, or in conjunction with, contact lenses.

Skin Protection: Impervious rubber or vinyl gloves, rubber or vinyl apron, and rubber boots or overshoes should be worn when working with the product to avoid skin contact.

Respiratory Protection: Not normally required. In situations where a risk of inhalation occurs, such as where product is being misted, a respirator or air delivery system in accordance with 29 CFR 1910.134 (OSHA), 42 CFR 84 (NIOSH), and any other applicable regulations may be recommended.

Other: Not generally required under normal working conditions. The end user must determine if the process or methods involved required other personal protection clothing and/or equipment.

Work/Hygienic Practices: Do not consume food, drink, or smoke in areas where chemicals are being stored or handled. After working with chemicals wash hands thoroughly before handling food or beverages. Segregate and launder contaminated clothing before reuse.

9. Physical and Chemical Properties

Appearance: Clear to slightly cloudy liquid
Odor threshold: Moderate
Odor: Mild
pH: > 13.0
Melting point/freezing point: Not tested
Initial boiling point and range: > 212 F
Flash Point: > 212 Fahrenheit – Tag Closed Cup
Evaporation Rate: Less than water
Flammability (solid, gas): Not applicable
Upper/lower flammability or explosive limits: Not applicable
Relative density: *Specific Gravity (H_2O = 1)*: 1.52 typical
Partition coefficient: n-octanol/water: Not tested

Vapor Density: Heavier than air
Vapor pressure: Not tested
Solubility (water): Soluble
Auto-ignition temperature: Not applicable
Decomposition temperature: Not applicable
Viscosity: Not tested
Stability: Stable
Percent Volatiles: Not tested

10. Stability and Reactivity

Reactivity: Product is stable as delivered
Chemical Stability: Stable
Possibility of hazardous reactions: Heat may be generated in contact with strong acids or oxidizers.
Conditions to avoid (e.g., static discharge, shock, or vibration): Avoid direct contact of concentrated product with acids. Add slowly to water with dilution and agitation to avoid a strong exothermic or sudden reaction that might lead to splashing. Avoid contact with aluminum, tin, magnesium, zinc, leather, and organic halogen or nitro compounds.
Incompatible materials: Avoid contact of concentrated product with acids, flammable compounds, and amphoteric metals.
Hazardous decomposition products: None known.
Polymerization: Will not occur.

11. Toxicological Information

Acute Toxicity Data: Corrosive to eyes, skin, and mucous membranes
Irritant Data: Severe eye and skin irritant, corrosive
Primary Routes of Exposure (Acute):
Eye and Skin Exposure: Severe irritant, corrosive.
Inhalation: Corrosive to mucous membranes.
Ingestion: Corrosive.
Primary Routes of Exposure (Chronic):
May produce inflammation of the eyes, skin, and mucous membranes.
Carcinogenicity: None of the components present in this material are listed on the IARC, NTP, or OSHA carcinogen lists.
Safety Precautions: As with all chemicals, avoid contact with eyes, skin, and clothing; wash thoroughly after handling, especially before eating, drinking, or smoking.

12. Ecological Information

Contact your Safe Foods representative for assistance.

13. Disposal Considerations

Waste Disposal: All disposals of this material must be done in accordance with Federal, state and local regulations. Waste characterization and compliance with disposal regulations are the responsibilities of the waste generator. If pH of the waste is greater than 12.5, then it must be handled as a RCRA hazardous waste.

14. Transportation Information

DOT Proper Shipping Name: UN1824, Sodium hydroxide solution, 8, PG II
DOT/IMO Proper Shipping Name: UN1824, Sodium hydroxide solution, 8, PG II

15. Regulatory Information

CERCLA (SARA): The following components of this product are listed as hazardous substances: Sodium hydroxide, RQ = 1,000 lbs
EPCRA, Section 311: Health: Immediate Health (Corrosive to skin and eyes, inhalation and ingestion hazard).
Toxic Substances Control Act (TSCA) Status: All ingredients in this product appear on either the public TSCA inventory or the confidential TSCA inventory.

16. Other Information

Last Revision: May 8, 2018
Current Revision: May 8, 2018
Prepared By: Safe Foods Corporation

This information is related only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled.
However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer warranty against patent infringement.

Garratt CALLAHAN
Water Treatment Expertise Since 1904

SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME:	FORMULA 2923-LT
PRODUCT USE:	COOLING WATER TREATMENT
RESTRICTIONS ON USE:	Refer to label, available technical information, and other appropriate sections of this SDS.
UN NUMBER:	NOT REGULATED
PROPER SHIPPING NAME:	NOT REGULATED
MANUFACTURER'S NAME:	Garratt-Callahan Company
ADDRESS:	50 Ingold Road, Burlingame, CA 94010-2206
EMERGENCY PHONE:	**North America: CHEMTREC: 1-800-424-9300** **Outside North America: +1-703-527-3887**
BUSINESS PHONE:	Product Information: 650-697-5811
SDS NUMBER:	SD2923LT
DATE OF REVISION:	12/18/2018

SECTION 2 - HAZARDS IDENTIFICATION

SIGNAL WORD: WARNING

HAZARD STATEMENT:
H290: May be corrosive to metals. 1
H302: Harmful if swallowed. 4
H315: Causes skin irritation. 2
H320: Causes eye irritation. 2B
H333: May be harmful if inhaled. 5
H371: May cause damage to organs. 2

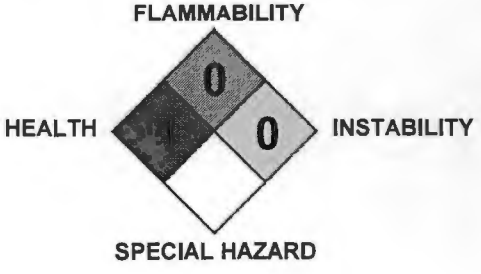
PRECAUTIONARY STATEMENTS: (PREVENTION)
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P234: Keep only in original packaging.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash all exposed skin/hair thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD (BLUE)	1
FLAMMABILITY HAZARD (RED)	0
PHYSICAL HAZARD (YELLOW)	0
PERSONAL PROTECTION	

Hazard Scale
0=Minimal
1=Slight
2=Moderate
3=Serious
4=Severe
*=Chronic hazard

NFPA RATING



SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	EC#	ICSC#	WT %
PHOSPHONOBUTANE TRICARBOXYLIC ACID	37971-36-1	213-733-5	NA	< 3
HEDP	2809-21-4	220-552-8	NA	< 4
BENZOTRIAZOLE	95-14-7	202-354-1	1091	< 2.5
SODIUM HYDROXIDE	1310-73-2	212-185-5	0360	< 1
PHOSPHOROUS ACID, ORTHO	13598-36-2	237-066-7	NA	< 1

SECTION 4 - FIRST AID MEASURES

Exposed individuals must be taken for medical attention if any adverse effect occurs. Take a copy of this SDS to the health professional with the individual.

WARNING: May be corrosive to metals. Harmful if swallowed. Causes skin irritation. May be harmful if inhaled. May cause damage to organs. Causes eye irritation. Also refer to Section 11 for symptoms, effects, and likely routes of exposure for this product. P308 +P311: IF exposed or concerned: Call a POISON CENTER/doctor.

TARGET ORGANS:
ACUTE: irritation of skin, eyes, respiratory and gastrointestinal systems.
CHRONIC: irritation of skin, eyes, respiratory and gastrointestinal systems.

SKIN EXPOSURE: P302+P352: IF ON SKIN: Wash with soap and water. Rinse skin with water/shower. Minimum rinsing time is for 15 minutes. Remove exposed or contaminated clothing, taking care not to contaminate the eyes. P363+P364: Take off contaminated clothing, and wash before reuse. P332+P313: If skin irritation occurs: Get medical advice/attention.

EYE EXPOSURE: P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Use sufficient force to open the eyelids. Have the exposed individual "roll" their eyes. Minimum rinsing time is for 15 minutes. P337+P313: If eye irritation persists get medical advice/attention.

INHALATION: P304+P312: IF INHALED: Call a POISON CENTER/doctor/ if you feel unwell.

INGESTION: P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Never induce vomiting or give diluents (milk or water) by mouth to someone who is unconscious, having convulsions, or unable to swallow.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin and respiratory disorders, as well as conditions involving the "Target Organs" may be aggravated by prolonged exposures to this product. Exposed individual must seek immediate medical attention if any adverse effect occurs.

NOTES TO PHYSICIAN: Treat symptoms as demonstrated by signs and distress in the patient.

SECTION 5 - FIRE FIGHTING MEASURES

SUITABLE (AND UNSUITABLE) EXTINGUISHING MATERIALS:	Product is non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	None known.
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:	Firefighters should wear fully protective clothing (chemical impermeable, fully encapsulated suit) and positive pressure self-contained breathing apparatus. Do not release run off from fire control methods to sewer or waterways.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, ENVIRONMENTAL PRECAUTIONS AND EMERGENCY PROCEDURES.

WARNING: Any container expansion or rounding indicates pressure build-up. Use extreme caution. When opening, release pressure slowly through opening.

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by appropriately trained personnel using pre-planned procedures. Proper protective equipment should be used, refer to Section 8 - exposure controls. P391: Collect spillage. P390: Absorb spillage to prevent material-damage.

Small Spill: Mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill: Restrict access to the area. Provide adequate protective equipment and ventilation. Stop leak if without risk. Remove chemicals which can react with the spilled material. Add dry inert material to contain and absorb spilled material. Prevent entry into surface waters, sewers, basements or confined areas, dike if needed. Ensure that exposure to product is not at a concentration exceeding regulatory limits. Decontaminate the area thoroughly. Decontaminate all response equipment with soapy water before returning to service. Place all spill residue in a suitable container and seal.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep out of reach of children. All employees who handle this material should be trained to handle it safely. Open containers slowly on a stable surface. As with all chemicals, avoid getting this product ON YOU or IN YOU. Avoid direct or prolonged contact with skin or eyes. Do not ingest. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors, dusts or mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately. Use only as directed. Refer to Section 8 for exposure controls.

CONDITIONS FOR SAFE STORAGE: Containers of this product must be properly labeled. Storage areas of this product should be clearly identified, well-illuminated, clear of obstruction and accessible only to trained and authorized personnel. Store containers in a clean, cool, well ventilated, dry location, away from direct sunlight, away from incompatible materials at temperatures between 50°F (10°C) - 100°F (37°C). Keep container tightly closed when not in use. P405: Store locked up. Do not ingest. Do not breathe vapor mist. Wash hands after handling. Refer to Section 10 for incompatibilities. P234: Keep only in original packaging. P406: Store in corrosion resistant container with a resistant inner liner.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation. Eyewash/safety shower station is recommended to be available near where this product is used/stored.

EXPOSURE LIMITS/GUIDELINES:

CHEMICAL NAME	CAS#	EXPOSURE LIMITS IN AIR: ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL TWA	OTHER
PHOSPHONOBUTANE TRICARBOXYLIC ACID	37971-36-1	NE	NE	NE	N/A
HEDP	2809-21-4	NE	NE	NE	N/A
BENZOTRIAZOLE	95-14-7	NE	NE	NE	N/A
SODIUM HYDROXIDE	1310-73-2	NE	C 2mg/m³	2 mg/m³	NIOSH REL 2 mg/m³
PHOSPHOROUS ACID, ORTHO	13598-36-2	NE	NE	NE	N/A

NE = Not Established

INGESTION: Wash all exposed skin/hair thoroughly after handling. P270: Do not eat, drink or smoke when using this product.

RESPIRATORY PROTECTION: P264: Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. Air-purifying respirators with dust/mist/fume/spray filters are recommended if operations may produce dusts, mists or sprays from this product with concentrations at or above levels posted above.

EYE PROTECTION: P264: Wash all exposed skin/hair thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Wear chemical safety goggles or safety glasses with side shields. A face shield may also be necessary for splash protection.

SKIN PROTECTION: P264: Wash all exposed skin/hair thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. Use chemically-resistant gloves and skin protection, when handling this product. Use body protection appropriate for task (e.g., lab coat, overalls).

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE and COLOR:	Clear light yellow liquid	VAPOR PRESSURE, mm Hg @ 20°C:	Not established
ODOR :	Sweet organic	VAPOR DENSITY (Air=1):	Not established
ODOR THRESHOLD:	Not established	RELATIVE DENSITY@20°C (water=1):	1.06 - 1.08
pH:	2.0 - 3.5	SOLUBILITY IN WATER:	Complete
MELTING/FREEZING POINT:	Not applicable	PARTITION COEFFICIENT(n-octanol/water):	Not established
BOILING POINT:	> 212°F (100°C)	AUTOIGNITION TEMPERATURE:	Not applicable
FLASHPOINT:	Non-flammable	DECOMPOSITION TEMPERATURE:	Not established
EVAPORATION RATE (n-BuAc=1):	< 1	VISCOSITY:	Not established
FLAMMABILITY (SOLID/GAS):	Not applicable	VOLATILE ORGANIC COMPOUNDS (%):	Not established
FLAMMABLE LIMITS (in air by volume, %):	Not applicable		

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY: Product is not reactive under standard ambient temperature and pressure.

STABILITY: Stable under normal condition of use and storage.

POSSIBILITY OF HAZARDOUS REACTIONS: None known.

CONDITIONS TO AVOID: See incompatible materials.

INCOMPATIBLE MATERIALS: Reactive metals and strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decompositon, product may emit toxic fumes of oxides of carbon, nitrogen and phosphorous.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICOLOGICAL EFFECTS: No data available for this product.

LIKELY ROUTES OF EXPOSURE: Skin/eye contact and inhalation.

RELATED SYMPTOMS: Skin, eye, respiratory and gastrointestinal irritation. May be harmful if swallowed.

DELAYED/IMMEDIATE/CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURES: Skin, eye, respiratory and gastrointestinal irritation. May be harmful if swallowed.

NUMERICAL MEASURES OF TOXICITY: Not established for this product.

CARCINOGENICITY: None of the components of this product are listed by the NTP, IARC, or regulated by OSHA as carcinogens.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ECOTOXICITY: Water Flea 48 hours LC50: 3536 ppm
96 hours LC50: 3415 ppm
Fathead Minnow 48 hours LC50: 3186 ppm
96 hours LC50: 3025 ppm

PERSISTANCE AND DEGRADABILITY: No data available for this product.

BIOLOGICAL ACCUMULATION POTENTIAL: No data available for this product.

MOBILITY IN SOIL: No data available for this product.

OTHER ADVERSE EFFECTS (i.e., hazardous to the ozone layer): No data available for this product.

BIOLOGICAL EXPOSURE INDICES: Currently, Biological Exposure Indices (BEIs) have not been determined for the components of this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL: Rinse empty containers with water and use the rinse water to prepare the working solution. Refer to Section 8 for exposure controls - personal protection. P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14 - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME

DOT: NOT REGULATED
IMDG/IMO: NOT REGULATED
IATA/ICAO: NOT REGULATED

ENVIRONMENTAL HAZARDS (i.e., MARINE POLLUTANT): None known.

TRANSPORT IN BULK (according to annex II marpol 73/78 and the IBC code): Not applicable.

SPECIAL PRECAUTIONS FOR USER: None known.

SECTION 15 - REGULATORY INFORMATION

United States and International Regulations

United States Regulations: U.S. SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting as listed below, requirements of Sections 302, 304, and 313 of Title of the Superfund Amendments and Reauthorization Act:

CHEMICAL NAME	
PHOSPHONOBUTANE TRICARBOXYLIC ACID	SARA 302 (40 CFR 355, Appendix A) - NO SARA 304 (40 CFR Table 302.4) - NO SARA 313 (40 CFR 372.65) - NO
HEDP	SARA 302 (40 CFR 355, Appendix A) - NO SARA 304 (40 CFR Table 302.4) - NO SARA 313 (40 CFR 372.65) - NO
BENZOTRIAZOLE	SARA 302 (40 CFR 355, Appendix A) - NO SARA 304 (40 CFR Table 302.4) - NO SARA 313 (40 CFR 372.65) - NO
SODIUM HYDROXIDE	SARA 302 (40 CFR 355, Appendix A) - NO SARA 304 (40 CFR Table 302.4) - YES SARA 313 (40 CFR 372.65) - NO
PHOSPHOROUS ACID, ORTHO	SARA 302 (40 CFR 355, Appendix A) - NO SARA 304 (40 CFR Table 302.4) - NO SARA 313 (40 CFR 372.65) - NO

U.S. Regulations

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product.
The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.
U.S. CERCLA REPORTABLE QUANTITY (RQ): Sodium hydroxide: (CAS# 1310-73-2), 1,000 lbs (454 kg).
U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory, or are exempt.
SARA Title 311/312, Hazard Category: Acute Health: YES; Chronic: YES; Fire: NO; Reactive: NO; Sudden Release of Pressure: NO

California Safe Drinking Water and Toxic Enforcement Act (proposition 65): No component of this product is on the Proposition 65 list.

International Regulations

CANADIAN REGULATIONS:
CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL or NDSL Inventories or are exempt from listing.
CANADIAN WHMIS CLASSIFICATION: Product contains components listed by WHMIS: Sodium hydroxide (CAS# 1310-73-2): E.

SECTION 16 - OTHER INFORMATION

PREPARED BY: GARRATT CALLAHAN

DATE OF REVISION: 12/18/2018 Supercedes: 4/30/2015

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose.

Garratt CALLAHAN
Water Treatment Expertise Since 1904

SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME:	FORMULA 315
PRODUCT USE:	BIOCIDE
RESTRICTIONS ON USE:	Refer to label, available technical information, and other appropriate sections of this SDS.
UN NUMBER:	UN 3265
PROPER SHIPPING NAME:	UN 3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE), 8, PG II
MANUFACTURER'S NAME:	Garratt-Callahan Company
ADDRESS:	50 Ingold Road, Burlingame, CA 94010-2206
EMERGENCY PHONE:	**North America: CHEMTREC: 1-800-424-9300** **Outside North America: +1-703-527-3887**
BUSINESS PHONE:	Product Information: 650-697-5811
SDS NUMBER:	SD3315
DATE OF REVISION:	12/11/2018

SECTION 2 - HAZARDS IDENTIFICATION

SIGNAL WORD: DANGER

GHS HAZARD STATEMENT:
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.

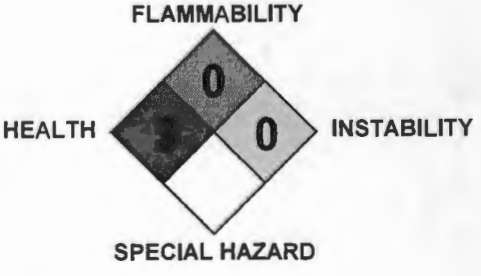
GHS PREVENTATIVE STATEMENTS:
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash all exposed skin/hair thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD (BLUE)	
FLAMMABILITY HAZARD (RED)	
PHYSICAL HAZARD (YELLOW)	0
PERSONAL PROTECTION	

Hazard Scale
0=Minimal
1=Slight
2=Moderate
3=Serious
4=Severe
*=Chronic hazard

NFPA RATING



SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	EC#	ICSC#	WT %
MAGNESIUM DINITRATE	10377-60-3	233-826-7	1041	1-3
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE	26172-55-4	247-500-7	NA	1-2
2-METHYL-4-ISOTHIAZOLIN-3-ONE	2682-20-4	220-239-6	NA	<1
MAGNESIUM CHLORIDE	7786-30-3	232-094-6	0764	<1

SECTION 4 - FIRST AID MEASURES

Exposed individuals must be taken for medical attention if any adverse effect occurs. Take copy of label and SDS to health professional with contaminated individual.

DANGER: Causes severe skin burns and eye damage. May cause an allergic skin reaction. Also refer to Section 11 for symptoms, effects, and likely routes of exposure for this product.

TARGET ORGANS:
ACUTE irritation of skin, eyes, respiratory and gastrointestinal systems.
CHRONIC irritation of skin, eyes, respiratory and gastrointestinal systems.

SKIN EXPOSURE: P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water[or shower]. P302+P352: IF ON SKIN: Wash with soap and water. Minimum flushing is for 15 minutes. P362+P364: Take off contaminated clothing and wash it before reuse. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P310: Immediately call a POISON CENTER or doctor/physician.

EYE EXPOSURE: P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Use sufficient force to open eyelids. Have contaminated individual "roll" eyes. Minimum flushing is for 15 minutes. P310: Immediately call a POISON CENTER or doctor/physician.

INHALATION: P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310: Immediately call a POISON CENTER or doctor/physician.

INGESTION: P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Rinse mouth. Never induce vomiting or give diluents (milk or water) by mouth to someone who is unconscious, having convulsions, or unable to swallow. P310: Immediately call a POISON CENTER or doctor/physician.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin and respiratory disorders, as well as conditions involving the "Target Organs" (see Section 3, Hazard Identification) may be aggravated by prolonged overexposures to this product.

NOTES TO PHYSICIAN: Treat symptoms as demonstrated by signs and distress in the patient.

SECTION 5 - FIRE FIGHTING MEASURES

SUITABLE (AND UNSUITABLE) EXTINGUISHING MATERIALS: Use extinguishing media appropriate for the surrounding fire.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Combustion generates toxic fumes of the following: Hydrogen chloride, Nitrogen oxides (Nox), Sulfur oxides.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Firefighters should wear fully protective clothing (chemical impermeable, fully encapsulated suit) and positive pressure self-contained breathing apparatus. Do not release run off from fire control methods to sewer or waterways.
Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, ENVIRONMENTAL PRECAUTIONS AND EMERGENCY PROCEDURES.

WARNING: Any container expansion or rounding indicates pressure build-up. Use extreme caution. When opening, release pressure slowly through opening.

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by appropriately trained personnel using pre-planned procedures. Proper protective equipment should be used, refer to Section 8 - exposure controls.

Small Spill: Mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. P391: Collect spillage.

Large Spill: Restrict access to the area. Provide adequate protective equipment and ventilation. Stop leak if without risk. Remove chemicals which can react with the spilled material. Add dry inert material to contain and absorb spilled material. Prevent entry into surface waters, sewers, basements or confined areas, dike if needed. Ensure that exposure to product is not at a concentration exceeding regulatory limits. Decontaminate the area thoroughly. Decontaminate all response equipment with soapy water before returning to service. Place all spill residue in a suitable container and seal. P391: Collect spillage.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep out of reach of children. All employees who handle this material should be trained to handle it safely. Open containers slowly on a stable surface. As with all chemicals, avoid getting this product ON YOU or IN YOU. Avoid direct or prolonged contact with skin or eyes. Do not ingest. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors, dusts or mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately. Use only as directed. Refer to Section 8 for exposure controls.

CONDITIONS FOR SAFE STORAGE: Containers of this product must be properly labeled. Storage areas of this product should be clearly identified, well-illuminated, clear of obstruction and accessible only to trained and authorized personnel. Store containers in a clean, cool, well ventilated, dry location, away from direct sunlight, away from incompatible materials at temperatures between 34°F (1°C) - 131°F (55°C). Keep container tightly closed when not in use. P405: Store locked up. Do not ingest. Do not breathe vapor mist. Wash hands after handling. Refer to Section 10 for incompatibilities. Do not store this material in containers made of the following: steel. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue, follow all MSDS and label warnings even after container is emptied. Expiration date based only on retention of >95% actives during storage at 20°C (68°F - 77°F).

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation. Eyewash/safety shower station is recommended to be available near where this product is used/stored.

EXPOSURE LIMITS/GUIDELINES:

CHEMICAL NAME	CAS#	EXPOSURE LIMITS IN AIR: ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL TWA	OTHER
MAGNESIUM DINITRATE	10377-60-3	NE	NE	NE	NA
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE	26172-55-4	NE	NE	NE	NA
2-METHYL-4-ISOTHIAZOLIN-3-ONE	2682-20-4	NE	NE	NE	NA
MAGNESIUM CHLORIDE	7786-30-3	NE	NE	NE	NA

NE = Not Established

INGESTION: Do not eat, drink or smoke when using this product.

RESPIRATORY PROTECTION: P260: Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. Air-purifying respirators with dust/mist/fume filters are recommended if operations may produce mists or sprays from this product.

EYE PROTECTION: Safety glasses or safety goggles. If splashing is anticipated, a face shield is recommended. P280: Wear protective gloves/protective clothing/eye protection/face protection. P264: Wash all exposed skin/hair thoroughly after handling.zd

SKIN PROTECTION: P264: Wash thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. Use chemically-resistant gloves when handling this product. Use body protection appropriate for task (e.g., lab coat, overalls, gloves). P272: Contaminated work clothing should not be allowed out of the workplace.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE and COLOR:	Clear/yellow green liquid	VAPOR PRESSURE, mm Hg @ 20°C:	Not established
ODOR :	Pungent	VAPOR DENSITY (Air=1):	Not established
ODOR THRESHOLD:	Not established	RELATIVE DENSITY@20°C (water=1):	.95 - 1.0
pH:	2.0 - 5.0	SOLUBILITY IN WATER:	Completely soluble
MELTING/FREEZING POINT:	-3.00°C (26.60°F)	PARTITION COEFFICIENT(n-octanol/water):	Not established
BOILING POINT:	ca.100°C (212°F)	AUTOIGNITION TEMPERATURE:	Not established
FLASHPOINT:	Not applicable	DECOMPOSITION TEMPERATURE:	Not established
EVAPORATION RATE (n-BuAc=1	< 1	VISCOSITY:	Dynamic - 3.000 mPa.s at 25°C (77°F)
FLAMMABILITY (SOLID/GAS	Not applicable	VOLATILE ORGANIC COMPOUNDS (%):	None
FLAMMABLE LIMITS (in air by volume, %):	Not established		

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY: Product is not reactive under standard ambient temperature and pressure.

STABILITY: Stable under normal condition of use and storage.

POSSIBILITY OF HAZARDOUS REACTIONS: None known.

CONDITIONS TO AVOID: See incompatible materials.

INCOMPATIBLE MATERIALS: Oxidizing agents, reducing agents, amines, mercaptans.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield the following: Hydrogen chloride, oxides of sulfur and nitrogen.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICOLOGICAL EFFECTS: No data available for this product.

LIKELY ROUTES OF EXPOSURE: Skin, eye contact and inhalation.

RELATED SYMPTOMS: Skin, eye, respiratory and gastrointestinal irritation. May be harmful if swallowed.

DELAYED/IMMEDIATE/CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURES: Skin, eye, respiratory and gastrointestinal irritation. May be harmful if swallowed.

NUMERICAL MEASURES OF TOXICITY: Not established for this product.

CARCINOGENICITY: None of the components of this product are listed by the NTP, IARC, or regulated by OSHA AS carcinogens.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
ECOTOXICITY: No data available for this product.
PERSISTANCE AND DEGRADABILITY: Material is considered biodegradeable.
BIOLOGICAL ACCUMULATION POTENTIAL: No data available for this product.
MOBILITY IN SOIL: No data available for this product.
OTHER ADVERSE EFFECTS (i.e., hazardous to the ozone layer): No data available for this product.

Environmental Hazards:
This pesticide is toxic to aquatic plants, fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on the label.

BIOLOGICAL EXPOSURE INDICES: Currently, Biological Exposure Indices (BEIs) have not been determined for the components of this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL: Thoroughly drain/empty containers and offer for recycling. Refer to Section 8 for exposure controls - personal protection. P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14 - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME

DOT: UN 3265, Corrosive liquid, acidic, organic, n.o.s. (5-Chloro-2-methyl-4-isothiazolin-3-one) 8, PG II
Emergency Response Guidebook, Guide No.: 153
Passenger Aircraft Qty: 1L
Cargo Airfcraft Qty: 30L

IMDG/IMO: UN 3265, Corrosive liquid, acidic, organic, n.o.s. (5-Chloro-2-methyl-4-isothiazolin-3-one) 8, PG II

IATA/ICAO: UN 3265, Corrosive liquid, acidic, organic, n.o.s. (5-Chloro-2-methyl-4-isothiazolin-3-one) 8, PG II

ENVIRONMENTAL HAZARDS (i.e., MARINE POLLUTANT): None known.

TRANSPORT IN BULK (according to annex II marpol 73/78 and the IBC code): Not applicable.

SPECIAL PRECAUTIONS FOR USER: None known.

PRODUCT REQUIRES CORROSIVE LABEL.

SECTION 15 - REGULATORY INFORMATION

United States and International Regulations

United States Regulations: U.S. SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting as listed below, requirements of Sections 302, 304, and 313 of Title of the Superfund Amendments and Reauthorization Act:

CHEMICAL NAME	
MAGNESIUM DINITRATE	SARA 302 (40 CFR 355, Appendix A) - NO SARA 304 (40 CFR Table 302.4) - NO SARA 313 (40 CFR 372.65) - YES
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE	SARA 302 (40 CFR 355, Appendix A) - NO SARA 304 (40 CFR Table 302.4) - NO SARA 313 (40 CFR 372.65) - NO
2-METHYL-4-ISOTHIAZOLIN-3-ONE	SARA 302 (40 CFR 355, Appendix A) - NO SARA 304 (40 CFR Table 302.4) - NO SARA 313 (40 CFR 372.65) - NO
MAGNESIUM CHLORIDE	SARA 302 (40 CFR 355, Appendix A) - NO SARA 304 (40 CFR Table 302.4) - NO SARA 313 (40 CFR 372.65) - NO

U.S. Regulations
U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.
U.S. CERCLA REPORTABLE QUANTITY (RQ): Not listed.
TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory, or are exempt.
SARA TITLE III Section 311/312 Hazard Category: Acute: YES; Chronic: NO; Fire: NO; Reactive: NO; Sudden Release of Pressure: NO

FIFRA Information
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

DANGER.CORROSIVE. Causes irreversible eye damage and skin burns. May cause allergic skin reaction. Harmful if swallowed or absorbed through the skin. Harmful if inhaled.

Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Remove contaminated clothing and wash clothing before reuse. Mixers, loaders and others exposed to this product must wear: long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber; shoes plus socks; goggles and face shield; and chemical resistant apron. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): No component of this product is on the Proposition 65 list.

International Regulations
CANADIAN REGULATIONS:
CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL Inventories or are exempt from listing.
CANADIAN WHMIS CLASSIFICATION: Not classified.

SECTION 16 - OTHER INFORMATION

PREPARED BY: GARRATT CALLAHAN

DATE OF REVISION: 12/11/2018 Supercedes: 4/18/2018

Formula 315 is EPA-registered; with EPA Reg. No. 8540-23. Refer to the approved label for details.

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose.

Garratt CALLAHAN
Water Treatment Expertise Since 1904

SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME:	FORMULA 314-T
PRODUCT USE:	BIOCIDE
RESTRICTIONS ON USE:	Refer to label, available technical information, and other appropriate sections of this SDS.
UN NUMBER:	UN3085
PROPER SHIPPING NAME:	UN3085, OXIDIZING SOLID, CORROSIVE, N.O.S. (CONTAINS BROMO-CHLORO-DIMETHYLHYDANTOIN), 5.1(8), PG III, MARINE POLLUTANT
MANUFACTURER'S NAME:	Garratt-Callahan Company
ADDRESS:	50 Ingold Road, Burlingame, CA 94010-2206
EMERGENCY PHONE:	**North America: CHEMTREC: 1-800-424-9300** **Outside North America: +1-703-527-3887**
BUSINESS PHONE:	Product Information: 650-697-5811
SDS NUMBER:	SD3314
DATE OF REVISION:	4/30/2018

SECTION 2 - HAZARDS IDENTIFICATION

SIGNAL WORD: DANGER

HAZARD STATEMENT:
H272: May intensify fire; oxidizer. 3
H302: Harmful if swallowed. 4
H314: Causes severe skin burns and eye damage. 1A
H317: May cause an allergic reaction.
H400: Very toxic to aquatic life. 1

PRECAUTIONARY STATEMENTS: (PREVENTION)
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P220: Keep/Store away from clothing/combustible materials.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash all exposed skin/hair thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD (BLUE)	
FLAMMABILITY HAZARD (RED)	
PHYSICAL HAZARD (YELLOW)	1
PERSONAL PROTECTION	

Hazard Scale
0=Minimal
1=Slight
2=Moderate
3=Serious
4=Severe
*=Chronic hazard

NFPA RATING

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	EC#	ICSC#	WT %
I-BROMO-3-CHLORO-5,5-DIMETHYL-HYDANTOIN	16079-88-2	240-230-0	NE	96

SECTION 4 - FIRST AID MEASURES

Exposed individuals must be taken for medical attention if any adverse effect occurs. Take a copy of this SDS to the health professional with the individual.

DANGER: May intensify fire; oxidizer. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic reaction. Very toxic to aquatic life. Also refer to Section 11 for symptoms, effects, and likely routes of exposure for this product.

TARGET ORGANS:
ACUTE: irritation of skin, eyes, respiratory and gastrointestinal systems.
CHRONIC: irritation of skin, eyes, respiratory and gastrointestinal systems.

SKIN EXPOSURE: P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. P302 +P352: IF ON SKIN: Wash with soap and water. Minimum flushing time is for 15 minutes. Remove exposed or contaminated clothing, taking care not to contaminate the eyes. P362+P364: Take off contaminated clothing and wash before reuse. P332 +P313: If skin irritation occurs: Get medical advice/attention.

EYE EXPOSURE: P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Use sufficient force to open the eyelids. Have the exposed individual "roll" their eyes. Minimum flushing time is for 15 minutes. P310: Immediately call a POISON CENTER or doctor/physician.

INHALATION: P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310: Immediately call a POISON CENTER or doctor/physican.

INGESTION: P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Never induce vomiting or give diluents (milk or water) by mouth to someone who is unconscious, having convulsions, or unable to swallow. P310: Immediately call a POISON CENTER or doctor/physician.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin and respiratory disorders, as well as conditions involving the "Target Organs" may be aggravated by prolonged exposures to this product. Exposed individual must seek immediate medical attention if any adverse effect occurs.

NOTES TO PHYSICIAN: Treat symptoms as demonstrated by signs and distress in the patient.

SECTION 5 - FIRE FIGHTING MEASURES

SUITABLE (AND UNSUITABLE) EXTINGUISHING MATERIALS:
P370+P378: In case of fire: Use water spray, fog or mist. Alcohol-resistant foam. DO NOT use CO2 or dry chemicals,

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:
Oxidizing material. Toxic gases/vapours/fumes of: Bromine. Chlorine. Oxides of the following substances: Carbon. Nitrogen. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:
Firefighters should wear fully protective clothing (chemical impermeable, fully encapsulated suit) and positive pressure self-contained breathing apparatus. Do not release run off from fire control methods to sewer or waterways. Move containers from fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, ENVIRONMENTAL PRECAUTIONS AND EMERGENCY PROCEDURES.

WARNING: Any container expansion or rounding indicates pressure build-up. Use extreme caution. When opening, release pressure slowly through opening.

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by appropriately trained personnel using pre-planned procedures. Proper protective equipment should be used, refer to Section 8 - exposure controls. P273: Avoid release to the environment.

Small Spill: Mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. P391: Collect spillage.

Large Spill: Restrict access to the area. Provide adequate protective equipment and ventilation. Stop leak if without risk. Remove chemicals which can react with the spilled material. Add dry inert material to contain and absorb spilled material. Prevent entry into surface waters, sewers, basements or confined areas, dike if needed. Avoid generation of dust. Avoid contact with water. Ensure that exposure to product is not at a concentration exceeding regulatory limits. Decontaminate the area thoroughly. Decontaminate all response equipment with soapy water before returning to service. Place all spill residue in a suitable container and seal. P391: Collect spillage.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep out of reach of children. All employees who handle this material should be trained to handle it safely. Open containers slowly on a stable surface. As with all chemicals, avoid getting this product ON YOU or IN YOU. Avoid direct or prolonged contact with skin or eyes. Do not ingest. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors, dusts or mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately. Use only as directed. Refer to Section 8 for exposure controls. P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking. P220: Keep/Store away from clothing/combustible materials. P273: Avoid release to the environment.

CONDITIONS FOR SAFE STORAGE: Containers of this product must be properly labeled. Storage areas of this product should be clearly identified, well-illuminated, clear of obstruction and accessible only to trained and authorized personnel. Store containers in a clean, cool, well ventilated, dry location, away from direct sunlight, away from incompatible materials at temperatures between 50°F (10°C) - 100°F (37°C). Keep container tightly closed when not in use. Avoid spilling, skin and eye contact. Avoid contact with acids, moisture or combustible materials. Keep away from heat, sparks and open flames. P405: Store locked up. Do not ingest. Do not breathe vapor mist. Wash hands after handling. Refer to Section 10 for incompatibilities.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation. Eyewash/safety shower station is recommended to be available near where this product is used/stored.

EXPOSURE LIMITS/GUIDELINES:

		EXPOSURE LIMITS IN AIR			
		ACGIH TLV		OSHA PEL	
CHEMICAL NAME	CAS#	TWA	STEL	TWA	OTHER
1-BROMO-3-CHLORO-5,5-DIMETHYL-HYDANTOIN	16079-88-2	NE	NE	NE	N/A

NE = Not Established

INGESTION: P264: Wash all exposed skin/hair thoroughly after handling. P270: Do not eat, drink or smoke when using this product.

RESPIRATORY PROTECTION: P260: Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. Air-purifying respirators with dust/mist/fume/spray filters are recommended if operations may produce dusts, mists or sprays from this product with concentrations at or above levels posted above.

EYE PROTECTION: P264: Wash all exposed skin/hair thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. Wear chemical safety goggles or safety glasses with side shields. A face shield may also be necessary for splash protection.

SKIN PROTECTION: P264: Wash all exposed skin/hair thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves/protective clothing/eye protection/face protection. Use chemically-resistant gloves and skin protection, when handling this product. Use body protection appropriate for task (e.g., lab coat, overalls).

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE and COLOR:	White to off-white tablet	VAPOR PRESSURE	0.0038 Pa @ 25°C
ODOR :	Slight Halogen	VAPOR DENSITY (Air=1):	Not applicable
ODOR THRESHOLD:	Not established	RELATIVE DENSITY@20°C (water=1):	Not aplicable
pH	3.5 @ 0.15% (diluted soloution)	SOLUBILITY IN WATER:	0.15 @°C slightly soluble in water
MELTING/FREEZING POINT:	156-162°C	PARTITION COEFFICIENT(n-octanol/water):	0.35
BOILING POINT:	Not applicable	AUTOIGNITION TEMPERATURE:	Not established
FLASHPOINT:	Not established	DECOMPOSITION TEMPERATURE:	Not established
EVAPORATION RATE (n-BuAc=1):	Not applicable	VISCOSITY:	Not applicable
FLAMMABILITY (SOLID/GAS):	Not established	VOLATILE ORGANIC COMPOUNDS (%):	None
FLAMMABLE LIMITS (in air by volume, %):	Not established		

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY: Material has oxidizing properties.

STABILITY: Stable at normal ambient temperatures. Avoid the following conditions: Moisture.

POSSIBILITY OF HAZARDOUS REACTIONS: Will not polymerize.

CONDITIONS TO AVOID: Generates toxic gas in contact with acid. Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time.

INCOMPATIBLE MATERIALS: Strong acids. Strong alkalis. Strong reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic gases/vapors/fumes of: Hydrogen bromide (HBr). Bromine. Hyrdogen chloride (HCl). Chlorine. Oxides of the following substances: Carbon. Nitrogen.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICOLOGICAL EFFECTS: There is no evidence that the product can cause cancer.

LIKELY ROUTES OF EXPOSURE: Skin and/or eye contact. Ingestion. Inhalation.

RELATED SYMPTOMS: Skin and/or eye contact. Ingestion. Inhalation

DELAYED/IMMEDIATE/CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURES: Inhalation: May cause respiratory system irritation.
Ingestion: Harmful if swallowed.
Skin contact: Causes burns. May cause sensitisation by skin contact.
Eye contact: Causes burns.
Acute and chronic health hazards: This product is corrosive.

NUMERICAL MEASURES OF TOXICITY: Oral: LD50: rats, 578 mg/kg
Dermal: LD50: rabbits, 2000mg/kg
Ames test: Negative

CARCINOGENICITY: None of the components of this product are listed by the NTP, IARC, or regulated by OSHA as carcinogens.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
ECOTOXICITY: This product contains a substance chich is very toxic to aquatic organisms.
Acute toxicity - fish:
LC50, 96 hours: 0.87 mg/l, Onchorhynchus mykiss (Rainbow trout)
LC50, 96 hours: 0.87 mg/l, Fish

Acute toxicity - aquatic:
EC50, 48 hours: 0.46 mg/l, Daphnia magna
EC50, 48 hours, 0.46 mg/l, Daphnia magna

Acute toxicity:
LC50, 96 hours, 640 American oyster mg/l

PERSISTENCE AND DEGRADABILITY: Halogens will dissociate in water leaving DMH. DMH is really biodegradable in a CO2 Evolution study and passes the 10-day window criteria. DMH has also been shown to be rapidly degraded in a water/sediment system.
BIOLOGICAL ACCUMULATION POTENTIAL: Material is expected to present a low bioaccumulation potential.
MOBILITY IN SOIL: No data available for this product.
OTHER ADVERSE EFFECTS (i.e., hazardous to the ozone layer): The product contains a substance which is very toxic to aquatic organisms.

Environmental Hazards:
This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

BIOLOGICAL EXPOSURE INDICES: Currently, Biological Exposure Indices (BEIs) have not been determined for the components of this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL: Thoroughly drain/empty containers and offer for recycling. Refer to Section 8 for exposure controls - personal protection. P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14 - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME

DOT: UN3085, OXIDIZING SOLID, CORROSIVE, N.O.S. (CONTAINS BROMO-CHLORO-DIMETHYLHYDANTOIN), 5.1(8), PG III, MARINE POLLUTANT
Emergency Response Guidebook, Guide No.: 140 Passenger Aircraft Qty: 25 kg Cargo Aircraft Qty: 100 kg

IMDG/IMO: UN3085, OXIDIZING SOLID, CORROSIVE, N.O.S. (CONTAINS BROMO-CHLORO-DIMETHYLHYDANTOIN), 5.1(8), PG III, MARINE POLLUTANT

IATA/ICAO: UN3085, OXIDIZING SOLID, CORROSIVE, N.O.S. (CONTAINS BROMO-CHLORO-DIMETHYLHYDANTOIN), 5.1(8), PG III, MARINE POLLUTANT

ENVIRONMENTAL HAZARDS (i.e., MARINE POLLUTANT): Yes

TRANSPORT IN BULK (according to annex II marpol 73/78 and the IBC code): Not applicable

SPECIAL PRECAUTIONS FOR USER: None known

PRODUCT REQUIRES OXIDIZER AND CORROSIVE LABEL AND MARINE POLLUTANT MARKING.

SECTION 15 - REGULATORY INFORMATION

United States and International Regulations

United States Regulations: U.S. SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting as listed below, requirements of Sections 302, 304, and 313 of Title of the Superfund Amendments and Reauthorization Act:

CHEMICAL NAME	
I-BROMO-3-CHLORO-5,5-DIMETHYL-HYDANTOIN	SARA 302 (40CFR 355, APPENDIX A) - NO SARA 304 (40CFR TABLE 302.4) - NO SARA 313 (40CFR 372.65) - NO

U.S. Regulations

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.
U.S. CERCLA REPORTABLE QUANTITY (RQ): Not listed.
U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory, or are exempt.
SARA TITLE 311/312 HAZARD CATEGORY: ACUTE: YES CHRONIC: NO FIRE: YES REACTIVITY: YES PRESSURE: NO

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): No component of this product is on the Proposition 65 list.

FIFRA Information:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

DANGER. CORROSIVE. Causes irreversible eye damage and skin burns. Harmful if swallowed. Irritating to nose and throat. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wear protective clothing and rubber gloves when handling this product. Avoid breathing dust and fumes. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

International Regulations

CANADIAN REGULATIONS: CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL or NDSL Inventories or are exempt from listing. CANADIAN WHMIS CLASSIFICATION: Not listed.

SECTION 16 - OTHER INFORMATION

PREPARED BY: GARRATT CALLAHAN

DATE OF REVISION: 4/30/2018 Supercedes: 3/29/2016

Formula 314-T is EPA-registered; with EPA Reg. No. 83451-4-8540. Refer to the approved label for details. Formula 314-T is registered with the NSF to the NSF International Registration Guidelines for Proprietary Substances and Nonfood Compounds for category codes G5, G7; with NSF Reg. No. 113139.

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose.

Jackson, Scott A

To: Pinson, Theo
Subject: RE: Pilgrims Pride Russellville Cattle Operations

From: Paulsen, Brian <Brian.Paulsen@pilgrims.com>
Sent: Monday, February 24, 2025 2:37 PM
To: Pinson, Theo <tpinson@adem.alabama.gov>
Cc: Fischer, Dave <Dave.Fischer@jbssa.com>; Milner, Kevin <kevin.milner@pilgrims.com>
Subject: RE: Pilgrims Pride Russellville Cattle Operations

Good Morning Theo:

In response to your question regarding if we meet the description of a CAFO/AFO on the cattle that are pastured by others on our Russellville Alabama land application property . In review of the regulations for either an AFO or a CAFO I can assure you we do not meet any of the requirements . We currently pasture 190 head across our operation and rotate them from one pasture to the next throughout the grazing period . The 190 is well below the 300 head for an AFO and 1000 head for a CAFO .
In consideration of the above facts I feel we don't meet the definition of either regulation.

Should you have any other questions feel free to contact me.

Sincerely

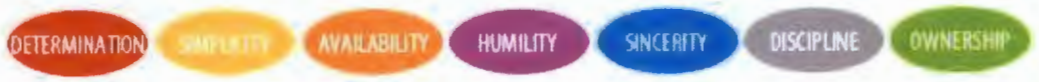
Brian Paulsen

Brian Paulsen

Pilgrim's

Head of Environmental Engineering
Brian.Paulsen@pilgrims.com
660-748-5468

Our foundation & our strength is in our values



From: Pinson, Theo <tpinson@adem.alabama.gov>
Sent: Thursday, February 20, 2025 9:55 AM
To: Paulsen, Brian <Brian.Paulsen@pilgrims.com>
Subject: [Ext]- RE: Pilgrims Pride Russellville Cattle Operations

CAUTION:*This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.*

Brian,

We want to make sure that your cattle operations are not subject to Federal and/or State regulations for Animal Feeding Operations (AFO) and Concentrated Animal Feeding Operations (CAFO). Will you provide a statement regarding the applicability of the AFO/CAFO regulations and your operations?

Thank you,

Theo

Theo Pinson
Industrial Section
Water Division
Alabama Department of Environmental Management
(334) 274 – 4202

NEW ADEM ELECTRONIC SYSTEM: Alabama Environmental Permitting and Compliance System (AEPACS)

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. For general information about AEPACS, visit http://adem.alabama.gov/egov/AEPACS.cnt. For NPDES and SID program specific information about AEPACS, visit http://adem.alabama.gov/egov/AEPACSwater.cnt.

If you have questions or need assistance with AEPACS, please contact the ADEM Web Portal/AEPACS Help Desk at ademwebportal@adem.alabama.gov. The email box is monitored Monday through Friday, 7:00 am –5:00 pm.

From: Paulsen, Brian <Brian.Paulsen@pilgrims.com>
Sent: Thursday, January 9, 2025 3:45 PM
To: Pinson, Theo <tpinson@adem.alabama.gov>
Subject: FW: Pilgrims Pride Russellville Cattle Operations

Brian Paulsen

Pilgrim's

Head of Environmental Engineering
Brian.Paulsen@pilgrims.com
660-748-5468

Our foundation & our strength is in our values

From: Fischer, Dave <Dave.Fischer@jbssa.com>
Sent: Friday, November 1, 2024 11:04 AM
To: Paulsen, Brian <Brian.Paulsen@pilgrims.com>
Subject: RE: Pilgrims Pride Russellville Cattle Operations

Approximate acreage that cows have access to 330 that's irrigated and 85 that is not irrigated for a total of 415 acres.

From: Fischer, Dave <Dave.Fischer@jbssa.com>
Sent: Friday, November 1, 2024 10:13 AM
To: Paulsen, Brian <Brian.Paulsen@pilgrims.com>; Milner, Kevin <kevin.milner@pilgrims.com>
Subject: RE: Pilgrims Pride Russellville Cattle Operations

Brian, as of right now the number of cows on the land totals 160 head. During the spring/summer months this number will increase with these brood cows having calves. The calves have been weaned and carried off-site of Pilgrims going into the winter months. The contractor that leases the property does not run feeder calves on site only beef brood cows. These cows have free roam of the irrigated land, but major streams are fenced out. The cattle are supplied with water tanks filled with regular drinking water. All groundwater wells located on these fields have been fenced off also. The contractor also removes approximately 500-600 (5ftx6ft) rolls of hay per year. These rolls weigh approximately 1,200 pounds.
In areas where cattle are fed during the winter months pads have been formed with concrete feed troughs on them and are located in designated areas that are not irrigated.
The primary grass on the irrigated fields is Bermuda and fescue with Rye grass being over seeded in the fall.

From: Paulsen, Brian <Brian.Paulsen@pilgrims.com>
Sent: Friday, November 1, 2024 8:13 AM
To: Fischer, Dave <Dave.Fischer@jbssa.com>; Milner, Kevin <kevin.milner@pilgrims.com>
Subject: FW: Pilgrims Pride Russellville Cattle Operations

Dave:

Can you get to me the particulars requested by Theo in this email.

We also need to know the number of cow /calf pairs, when the cattle are removed from the pasture in the fall, primary grass stand i.e Bermuda, fescue,orchard grass, Johnson grass etc. Need number of bales and average eight removed per field per year . If they have it need weight gained on the cattle when placed and when marketed.

Thanks
Brian

Brian Paulsen

Pilgrim's

Head of Environmental Engineering
Brian.Paulsen@pilgrims.com
660-748-5468

Our foundation & our strength is in our values

From: Pinson, Theo <tpinson@adem.alabama.gov>
Sent: Monday, October 28, 2024 12:08 PM
To: Paulsen, Brian <Brian.Paulsen@pilgrims.com>
Subject: [Ext]- Pilgrims Pride Russellville Cattle Operations

CAUTION:*This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.*

Brian,

We wanted to get a little more information on your cattle grazing and hay crop operations conducted on the Pilgrims Pride Russellville Sprayfields. It is our understanding that Pilgrims manages a cattle farm on the sprayfields where the plant wastewaters are land applied. The sprayfields are utilized to grow hay and cattle graze the hay fields. Hay not consumed by the cattle may be sold to third parties. To make sure that we have a complete understanding, will you provide a brief narrative describing the cattle grazing and hay crop operations? Some relevant details may be the typical average number of cattle onsite, do they have free roam in the fields and/or how are they rotated between fields, whether they are beef or dairy cattle, general information describing day to day farm operations, are there any non-stormwater discharges generated specifically by the cattle operations, are there buffers to nearby receiving streams, a general description of BMPs utilized in the farming operations, and some discussion on whether these operations would be applicable to regulations under the animal feeding operations (AFO) and/or concentrated animal feeding operations (CAFO) program.

We are requesting this additional information to go along with the permit reissuance. We have a proposed draft permit that is almost ready to send, but we would like to include some discussion in our permit rationale of evaluating the applicability of the AFO/CAFO regulations. Please let me know if you have any questions.

Thank you,

Theo

Theo Pinson
Industrial Section
Water Division
Alabama Department of Environmental Management
(334) 274 – 4202

NEW ADEM ELECTRONIC SYSTEM: Alabama Environmental Permitting and Compliance System (AEPACS)

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. For general information about AEPACS, visit

http://adem.alabama.gov/egov/AEPACS.cnt. For NPDES and SID program specific information about AEPACS, visit http://adem.alabama.gov/egov/AEPACSwater.cnt.

If you have questions or need assistance with AEPACS, please contact the ADEM Web Portal/AEPACS Help Desk at ademwebportal@adem.alabama.gov. The email box is monitored Monday through Friday, 7:00 am –5:00 pm.

Disclaimer

The information transmitted is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is prohibited. If you received this in error, please contact the sender and delete the material from any computer. This email has been checked for viruses. However, JBS USA Food Company and its constituent companies cannot accept responsibility for loss or damages arising from use of this email or attachments and we recommend that you subject these to your virus checking procedures prior to use.