ADEQ

A R K A N S A S
Department of Environmental Quality

December 27, 2016

Ken Nelson, Complex Manager
Tyson Poultry - Waldron Process
442 Plant Street
Waldron, AR 72958

RE: Tyson Poultry - Waldron Inspections (Scott Co)
AFIN: 64-00001 **NPDES Permit No.: AR0038482**
ARR00A080

Dear Mr. Nelson:

On November 21, 2016, I performed a Compliance Evaluation Inspection and an Industrial Stormwater Inspection of the above-referenced facility in accordance with the provisions of the Federal Clean Water Act, the Arkansas Water and Air Pollution Control Act, and the regulations promulgated thereunder. A copy of each of these inspection reports is enclosed for your records.

Please refer to the "Summary of Findings" section of each of the attached inspection reports and provide a written response for each violation that was noted. This response should be mailed to the attention of the Office of Water Quality, Compliance Branch at the address at the bottom of this letter or e-mailed to Water-Inspection-Report@adeq.state.ar.us. This response should contain documentation describing the course of action taken to correct each item noted. This corrective action should be completed as soon as possible, and the written response with all necessary documentation (i.e., photos) is due by **January 10, 2017**.

If I can be of any assistance, please contact me at grayd@adeq.state.ar.us or (479) 424-0333.

Sincerely,

Dannielle Gray
District 4 Field Inspector
Office of Water Quality

ADEQ
ARKANSAS
Department of Environmental Quality

WATER DIVISION INSPECTION REPORT

AFIN: **64-00001** | PERMIT #: **AR0038482** | DATE: **11/21/2016**

COUNTY: **64 Scott** | PDS #: **094538** | MEDIA: **WN**

GPS LAT: **34.902936** LONG: **-94.101168** LOCATION: **Entrance**

FACILITY INFORMATION

NAME:
Tyson Poultry - Waldron
LOCATION:
442 Plant Street
CITY:
Waldron

RESPONSIBLE OFFICIAL

NAME: / TITLE
Ken Nelson / Complex Manager
COMPANY:
Tyson Poultry - Waldron Process
MAILING ADDRESS:
442 Plant Street
CITY, STATE, ZIP:
Waldron AR 72958
PHONE & EXT: / FAX:
479-637-5712 /
EMAIL:
janice.mitchell@tyson.com
CONTACTED DURING INSPECTION: **Yes**

INSPECTION INFORMATION

FACILITY TYPE: **2 - Industrial**
INSPECTOR ID#: **71330 S - State**
FACILITY EVALUATION RATING: **3 - Satisfactory**
INSPECTION TYPE: **Compliance Evaluation**
DATE(S): **11/21/2016** ENTRY TIME: **10:00** EXIT TIME: **16:00**
PERMIT EFFECTIVE DATE: **10/30/2010**
PERMIT EXPIRATION DATE: **9/30/2015**
FAYETTEVILLE SHALE RELATED: **N**
FAYETTEVILLE SHALE VIOLATIONS: **N**

INSPECTION PARTICIPANTS

NAME/TITLE/PHONE/FAX/EMAIL/ETC.:
Janice Mitchell/Environmental Manager/479-637-5712/janice.mitchell@tyson.com
Terry Nix/Wastewater Supervisor/terry.nix@tyson.com
Kenneth Nelson/Complex Manager/ken.jones@tyson.com
Eddie Jones/Plant Manager

AREA EVALUATIONS

(S=Satisfactory, M=Marginal, U=Unsatisfactory, N=Not Applicable/Evaluated)

S	PERMIT	**S**	FLOW MEASUREMENT	**S**	STORMWATER
U	RECORDS/REPORTS	**S**	LABORATORY	**S**	FACILITY SITE REVIEW
S	OPERATION & MAINTENANCE	**M**	EFFLUENT/RECEIVING WATER	**S**	SELF-MONITORING PROGRAM
S	SAMPLING	**S**	SLUDGE HANDLING/DISPOSAL	******	PRETREATMENT
******	OTHER:				

SUMMARY OF FINDINGS

The following violations were noted during inspection:

1. **Foam was observed in the effluent at the outfall. This is a violation of Part 1A of the permit.**

2. **COC does not indicate that samples are being properly preserved during transit. Specifically, there is no indication as to the type of container the samples are stored in or whether or not the samples are being preserved with ice. This is a violation of Part III, Section C.8.a of the permit.**

3. **Discrepancies were noted between lab analysis reports and data reported on DMRs (see General Comments below). This is a violation of Part 1A and Part III Section C.5 of the permit. Specifically, the following items must be addressed:**

   a) **Lab analysis sheets were unclear and contradictory. Reports indicated two separate results for samples. Following inspection, the facility clarified these reports with their lab (see General Comments below) and submitted an explanation to ADEQ via email. No further action for this sub-finding required.**
   b) **Lab results are not always being reported in the appropriate line item on DMRs. For example, effluent samples collected in March 2016 resulted in a BOD result of 2.97 mg/l and a CBOD5 Daily Maximum result of 3.44 mg/l. However, BOD results of 2.97 mg/l were reported as CBOD5 results.**
   c) **DO and pH maximums and minimums are not being consistently accurately reported (see General Comments below).**

GENERAL COMMENTS

I inspected this facility with the above-referenced inspection participants on November 21, 2016. Ms. Mitchell and Mr. Nix accompanied me on the entire inspection. Mr. Nelson and Mr. Jones joined us for the closing conference. Inspection consisted of a facility assessment, a records audit, and an Industrial Stormwater Inspection.

Facility assessment included a tour of the facility starting at the influent house and following the path of the wastewater through the plant to the effluent outfall. The facility was clean and well-maintained. Nothing of concern was noted throughout the assessment of treatment plant components. However, persistent foam was observed at the outfall. Foaming in the oxidation ditch was consistent with typical activated sludge treatment and showed no obvious signs of oxidation ditch malfunction. Persistent foaming was not observed in the effluent box. Foam was only observed after post-aeration at the outfall and in the receiving stream. Persistent foam is a violation of the permit and can be an indicator of unseen operational issues in the treatment plant. Identifying the source of the foam and taking corrective action to cease foam discharge are required. Monitoring following any corrective actions taken to ensure that foam has ceased is advised.

Records audit revealed inconsistencies in lab analysis reports and data reported on DMRs. Upon further investigation, it was determined that there were two major contributors to the inconsistencies: unclear lab analysis reports and lack of attention to detail.

Lab analysis reports were unclear; and therefore, determining which results were effluent results and which results were process control results was difficult. Numbers included on the "DMR Calculation Check" sheets below were taken from these lab reports. As noted on the check sheets, my interpretation of the results and the Operator's interpretation of the results were different. Therefore, clarification of data on these reports is necessary.

Following inspection, the Operator submitted an explanation of the report indicating that he had spoken to the lab and understood the information provided on the report. As per his explanation, the lab provides two reports for samples collected at the outfall. The "certified report" states actual lab results of the samples. The "process control report" rounds the data results for operational use and treatment plant troubleshooting. As per the operator, process control reports will be removed from DMR files to avoid confusion. No further action required for this finding.

The other contributor to DMR inconsistencies identified during inspection was lack of attention to detail. As noted in the "Summary of Findings" above, records reviewed for the March 2016 reporting period revealed that BOD was being reported as CBOD on the DMR. DO and pH maximums and minimums were also misreported in some cases, but not all. On some DMRs, the facility reported the second to lowest DO or the second to lowest minimum (or second highest) pH instead of the true minimum or maximum. Records audited revealed that all values for the months audited were within effluent limits and reporting the true minimum and maximum would not have resulted in an effluent violation. Therefore, incorrect reporting was determined to be a result of lack of attention to detail when reporting effluent data on DMRs. Attention to detail must be exercised when reviewing these results and reporting the data on DMRs.

INSPECTOR'S SIGNATURE: Dannielle J Gray	**Dannielle Gray**	DATE: **12/8/2016**
SUPERVISOR'S SIGNATURE: Kerri McCabe	**Kerri McCabe**	DATE: **12/22/2016**

SECTION A: PERMIT VERIFICATION	
PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE:	☑Y ☐N ☐NA ☐NE
2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES:	☐Y ☐N ☑NA ☐NE
3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT:	☑Y ☐N ☐NA ☐NE
4. ALL DISCHARGES ARE PERMITTED:	☑Y ☐N ☐NA ☐NE

SECTION B: RECORDKEEPING AND REPORTING EVALUATION	
RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRS:	☐Y ☑N ☐NA ☐NE
2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE:	☑S ☐M ☐U ☐NA ☐NE
a. DATES AND TIME(S) OF SAMPLING:	☑Y ☐N ☐NA ☐NE
b. EXACT LOCATION(S) OF SAMPLING:	☑Y ☐N ☐NA ☐NE
c. NAME OF INDIVIDUAL PERFORMING SAMPLING:	☑Y ☐N ☐NA ☐NE
d. ANALYTICAL METHODS AND TECHNIQUES:	☑Y ☐N ☐NA ☐NE
e. RESULTS OF CALIBRATIONS:	☑Y ☐N ☐NA ☐NE
f. RESULTS OF ANALYSES:	☑Y ☐N ☐NA ☐NE
g. DATES AND TIMES OF ANALYSES:	☑Y ☐N ☐NA ☐NE
h. NAME OF PERSON(S) PERFORMING ANALYSES:	☑Y ☐N ☐NA ☐NE
3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE:	☑S ☐M ☐U ☐NA ☐NE
4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR:	☑S ☐M ☐U ☐NA ☐NE
5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA:	☑Y ☐N ☐NA ☐NE

SECTION C: OPERATIONS AND MAINTENANCE	
TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. TREATMENT UNITS PROPERLY OPERATED:	☑S ☐M ☐U ☐NA ☐NE
2. TREATMENT UNITS PROPERLY MAINTAINED:	☑S ☐M ☐U ☐NA ☐NE
3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED:	☑S ☐M ☐U ☐NA ☐NE
4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE:	☑S ☐M ☐U ☐NA ☐NE
5. ALL NEEDED TREATMENT UNITS IN SERVICE:	☑S ☐M ☐U ☐NA ☐NE
6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED:	☑S ☐M ☐U ☐NA ☐NE
7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED:	☑S ☐M ☐U ☐NA ☐NE
8. OPERATION AND MAINTENANCE MANUAL AVAILABLE:	☑Y ☐N ☐NA ☐NE
9. STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED:	☑Y ☐N ☐NA ☐NE
10. PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED:	☑Y ☐N ☐NA ☐NE
11. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR:	☐Y ☐N ☑NA ☐NE
12. IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED:	☐Y ☐N ☑NA ☐NE
13. HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS:	☐Y ☐N ☑NA ☐NE
14. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT:	☐Y ☐N ☑NA ☐NE
15. IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT:	☐Y ☐N ☑NA ☐NE

SECTION D: SAMPLING	
PERMITTEE SAMPLING MEETS PERMIT REQUIREMENTS	☐S ☑M ☐U ☐NA ☐NE
DETAILS:	
1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT:	☑Y ☐N ☐NA ☐NE
2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES:	☑Y ☐N ☐NA ☐NE
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT:	☐Y ☐N ☑NA ☐NE
4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT:	☑Y ☐N ☐NA ☐NE
5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT:	☑Y ☐N ☐NA ☐NE
6. SAMPLE COLLECTION PROCEDURES ADEQUATE:	☑Y ☐N ☐NA ☐NE
a. SAMPLES REFRIGERATED DURING COMPOSITING:	☐Y ☐N ☑NA ☐NE
b. PROPER PRESERVATION TECHNIQUES USED:	☑Y ☐N ☐NA ☐NE
c. CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136:	☐Y ☑N ☐NA ☐NE
7. IF MONITORING IS PERFORMED MORE OFTEN THAN REQUIRED ARE RESULTS REPORTED ON THE DMR:	☐Y ☐N ☑NA ☐NE

SECTION E: FLOW MEASUREMENT	
PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED:__ TYPE OF DEVICE:	☑Y ☐N ☐NA ☐NE
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED:	☑Y ☐N ☐NA ☐NE
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED:	☑Y ☐N ☐NA ☐NE
4. CALIBRATION FREQUENCY ADEQUATE:	☑Y ☐N ☐NA ☐NE
5. RECORDS MAINTAINED OF CALIBRATION PROCEDURES:	☑Y ☐N ☐NA ☐NE
6. CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE:	☑Y ☐N ☐NA ☐NE
7. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE:	☑Y ☐N ☐NA ☐NE
8. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES:	☑Y ☐N ☐NA ☐NE
9. HEAD MEASURED AT PROPER LOCATION:	☑Y ☐N ☐NA ☐NE

SECTION F: LABORATORY	
PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS	☑S ☐M ☐U ☐NA ☐NE
DETAILS:	
1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(B) FOR SLUDGES) :	☑Y ☐N ☐NA ☐NE
2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED:	☐Y ☐N ☑NA ☐NE
3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT:	☑Y ☐N ☐NA ☐NE
4. QUALITY CONTROL PROCEDURES ADEQUATE:	☑Y ☐N ☐NA ☐NE
5. DUPLICATE SAMPLES ARE ANALYZED ≥10% OF THE TIME:	☑Y ☐N ☐NA ☐NE
6. SPIKED SAMPLES ARE ANALYZED ≥10% OF THE TIME:	☑Y ☐N ☐NA ☐NE
7. COMMERCIAL LABORATORY USED:	☑Y ☐N ☐NA ☐NE
a. LAB NAME: **Tyson River Valley Regional Lab**	
b. LAB ADDRESS: **PO. Box 376, Scranton, AR**	
c. PARAMETERS PERFORMED: **All with DO & pH (analyzed in-house) and Total Cu & Total Zn analyzed by Arkansas Analytical**	
8. BIOMONITORING PROCEDURES ADEQUATE:	☑Y ☐N ☐NA ☐NE
a. PROPER ORGANISMS USED:	☑Y ☐N ☐NA ☐NE
b. PROPER DILUTION SERIES FOLLOWED:	☑Y ☐N ☐NA ☐NE
c. PROPER TEST METHODS AND DURATION:	☑Y ☐N ☐NA ☐NE
d. RETESTS AND/OR TRE PERFORMED AS REQUIRED:	☐Y ☐N ☑NA ☐NE

SECTION G: EFFLUENT/RECEIVING WATERS OBSERVATIONS

BASED ON VISUAL OBSERVATIONS ONLY — ☐S ☑M ☐U ☐NA ☐NE

DETAILS:

OUTFALL #:	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOATING SOLIDS	COLOR	OTHER
001	No	No	No	YES	No	clear	--

SECTION H: SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS — ☑S ☐M ☐U ☐NA ☐NE

DETAILS:

1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY: ☑S ☐M ☐U ☐NA ☐NE
2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503: ☑S ☐M ☐U ☐NA ☐NE
3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: (E.G., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE): **N/A**

SECTION I: SAMPLING INSPECTION PROCEDURES

SAMPLE RESULTS WITHIN PERMIT REQUIREMENTS — ☐S ☐M ☐U ☑NA ☐NE

DETAILS:

1. SAMPLES OBTAINED THIS INSPECTION: ☐Y ☐N ☑NA ☐NE
2. TYPE OF SAMPLE: ☐GRAB:__ ☐COMPOSITE:__ METHOD:__ FREQUENCY:
3. SAMPLES PRESERVED: ☐Y ☐N ☑NA ☐NE
4. FLOW PROPORTIONED SAMPLES OBTAINED: ☐Y ☐N ☑NA ☐NE
5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE: ☐Y ☐N ☑NA ☐NE
6. SAMPLE REPRESENTATIVE OF VOLUME AND NATURE OF DISCHARGE: ☐Y ☐N ☑NA ☐NE
7. SAMPLE SPLIT WITH PERMITTEE: ☐Y ☐N ☑NA ☐NE
8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED: ☐Y ☐N ☑NA ☐NE
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT: ☐Y ☐N ☑NA ☐NE

SECTION J: STORM WATER POLLUTION PREVENTION PLAN

STORM WATER MANAGEMENT MEETS PERMIT REQUIREMENTS — ☐S ☐M ☐U ☑NA ☐NE

DETAILS:

1. SWPPP UPDATED AS NEEDED:__ DATE OF LAST UPDATE: ☐Y ☐N ☑NA ☐NE
2. SITE MAP INCLUDING ALL DISCHARGES AND SURFACE WATERS: ☐Y ☐N ☑NA ☐NE
3. POLLUTION PREVENTION TEAM IDENTIFIED: ☐Y ☐N ☑NA ☐NE
4. POLLUTION PREVENTION TEAM PROPERLY TRAINED: ☐Y ☐N ☑NA ☐NE
5. LIST OF POTENTIAL POLLUTANT SOURCES: ☐Y ☐N ☑NA ☐NE
6. LIST OF POTENTIAL SOURCES AND PAST SPILLS AND LEAKS: ☐Y ☐N ☑NA ☐NE
7. ALL NON-STORM WATER DISCHARGES ARE AUTHORIZED: ☐Y ☐N ☑NA ☐NE
8. LIST OF STRUCTURAL BMPS: ☐Y ☐N ☑NA ☐NE
9. LIST OF NON-STRUCTURAL BMPS: ☐Y ☐N ☑NA ☐NE
10. BMPS PROPERLY OPERATED AND MAINTAINED: ☐Y ☐N ☑NA ☐NE
11. INSPECTIONS CONDUCTED AS REQUIRED: ☐Y ☐N ☑NA ☐NE

FLOW CALCULATION SHEET

Date: **11/21/2016** Time: **1112**

Head in Inches: **4.2”** Feet:

Type & Size of Primary Flow Measurement Device: **2’ rectangular weir with end contractions**

Name & Model of Secondary Flow Measurement Device: **ISCO Teledyne Signature flowmeter**

Date of last Calibration of Secondary Flow Device: **May 27, 2016**

Recorded Flow at Date & Time Listed Above: **593 gpm** (Facility Flow Meter)

Calculated Flow at Date & Time Listed Above: **597.4 gpm**

(Flow is calculated using flow charts in: ISCO Open Channel Flow Measurement Handbook-5th Edition)

$$\% \text{ Error} = \frac{\text{Recorded Value} - \text{Calculated Value}}{\text{Calculated Value}} \times 100$$

$$\% \text{ Error} = \frac{593 - 597.4}{597.4} \times 100$$

$$\% \text{ Error} = \frac{-4.4}{597.4} \times 100$$

$$\% \text{ Error} = -0.007365 \times 100$$

% Error = **-0.737** %

Comments: **same**

DMR Calculation Check

Reporting Period:	**From**	**2015** (Year)	**10** (Month)	**01** (Day)	**To**	**2015** (Year)	**10** (Month)	**31** (Day)

Parameter Checked: **Total Nitrogen**

	Loading	**Concentration**	
	Mass	**Monthly**	
	Mo. Avg. - lbs/day	**Mo. Avg. - mg/l**	**7-day Avg. - mg/l**
Reported Value:	**116.88**	**16.81**	**16.81**
Calculated Value:	**118.21**	**17**	**17**
Permit Value:	**1073.8**	**103**	**147**

If calculated value does not equal reported value, explain:

Lab analysis sheets were contradictory. Reports indicated two different results for samples. Following inspection, the facility clarified with the lab and submitted an explanation to ADEQ via email. No further action required.

DMR Calculation Check

Reporting Period:	**From**	**2016** (Year)	**03** (Month)	**01** (Day)	**To**	**2016** (Year)	**03** (Month)	**31** (Day)

Parameter Checked: CBOD5

	Loading Mass Mo. Avg. - lbs/day	Concentration Monthly Mo. Avg. - mg/l	Concentration Monthly Daily max. - mg/l
Reported Value:	26.93	2.97	2.97
Calculated Value:	31.1913	<3.44	<3.44
Permit Value:	156.4	15	22.5

If calculated value does not equal reported value, explain:

BOD results were reported in the CBOD record on the DMR. During records audit, discussion ensued regarding double checking DMR entries prior to submittal and using care when transferring data to DMRs.

Water Division Photographic Evidence Sheet					
Location:	**Tyson Poultry - Waldron**				
Photographer:	**Dannielle Gray**	Date:	**11/21/2016**	Time:	**1032**
Witness:	**Janice Mitchell & Terry Nix**			Photo #:	**1**
Description:	**Influent pumps**				

Photographer:	**Dannielle Gray**	Date:	**11/21/2016**	Time:	**1033**
Witness:	**Janice Mitchell & Terry Nix**			Photo #:	**2**
Description:	**Sludge Pond 1 W**				

Water Division Photographic Evidence Sheet					
Location:	**Tyson Poultry - Waldron**				
Photographer:	**Dannielle Gray**	Date:	**11/21/2016**	Time:	**1043**
Witness:	**Janice Mitchell & Terry Nix**			Photo #:	**3**
Description:	**Waste Pond 2**				

Photographer:	**Dannielle Gray**	Date:	**11/21/2016**	Time:	**1044**
Witness:	**Janice Mitchell & Terry Nix**			Photo #:	**4**
Description:	**Waste Pond 1**				

Water Division Photographic Evidence Sheet					
Location:	**Tyson Poultry - Waldron**				
Photographer:	**Dannielle Gray**	Date:	**11/21/2016**	Time:	**1055**
Witness:	**Janice Mitchell & Terry Nix**			Photo #:	**5**
Description:	**Oxidation ditch**				

Photographer:	**Dannielle Gray**	Date:	**11/21/2016**	Time:	**1050**
Witness:	**Janice Mitchell & Terry Nix**			Photo #:	**6**
Description:	**Activated sludge in treatment track**				

Water Division Photographic Evidence Sheet					
Location:	**Tyson Poultry - Waldron**				
Photographer:	**Dannielle Gray**	Date:	**11/21/2016**	Time:	**1051**
Witness:	**Janice Mitchell & Terry Nix**			Photo #:	**7**
Description:	**Treatment plant overview**				

Photographer:	**Dannielle Gray**	Date:	**11/21/2016**	Time:	**1100**
Witness:	**Janice Mitchell & Terry Nix**			Photo #:	**8**
Description:	**Clarifier (note white mass in photo is a reflection of the clouds above the clarifier)**				

Water Division Photographic Evidence Sheet					
Location:	**Tyson Poultry - Waldron**				
Photographer:	**Dannielle Gray**	Date:	**11/21/2016**	Time:	**1106**
Witness:	**Janice Mitchell & Terry Nix**			Photo #:	**9**
Description:	**UV disinfection**				

Photographer:	**Dannielle Gray**	Date:	**11/21/2016**	Time:	**1109**
Witness:	**Janice Mitchell & Terry Nix**			Photo #:	**10**
Description:	**Primary flow device (2' rectangular weir with end contractions)**				

Water Division Photographic Evidence Sheet					
Location:	**Tyson Poultry - Waldron**				
Photographer:	**Dannielle Gray**	Date:	**11/21/2016**	Time:	**1115**
Witness:	**Janice Mitchell & Terry Nix**			Photo #:	**11**
Description:	**Post-aeration**				

Photographer:	**Dannielle Gray**	Date:	**11/21/2016**	Time:	**1117**
Witness:	**Janice Mitchell & Terry Nix**			Photo #:	**12**
Description:	**Outfall 001 – note orange arrows identify persistent foam on surface.**				

Figure 1. Google Earth image dated March 20, 2016 showing facility overview and major treatment components.

From: Nix, Terry
To: Gray, Dannielle
Subject: RE: waldron visit
Date: Wednesday, December 07, 2016 4:06:49 PM

Good afternoon,
These samples were collected at our outfall, the results are reported on a certified lab report and they also show up on our process control report. When the data is reported on the process control sheet it rounds some results to whole numbers. The certified report for October 2015, Total Nitrogen was 16.81 mg/l and our process control report was 17 mg/l. We have been keeping all these reports along with the DMR's in one file. In the future we will separate these files so only reportable sample results from our outfall will be kept with the DMR's. I hope this answers your question, please let me know if you need more information.

Thank You
Terry Nix
Wastewater Supervisor
Tyson, Waldron

From: Gray, Dannielle [mailto:grayd@adeq.state.ar.us]
Sent: Wednesday, December 07, 2016 3:33 PM
To: Nix, Terry <Terry.Nix@tyson.com>
Cc: Mitchell, Janice <janice.mitchell@tyson.com>
Subject: RE: waldron visit

Good afternoon Mr. Nix,

I have a quick question to clarify:

As I recall, the information that I reviewed stated that the samples were collected at the outfall location. What I'm hearing in this response is that these samples were for process control. Can you clarify for me? Were the samples collected at the effluent location, or were they taken in other areas of the treatment plant? (As a reference, the data we looked at was for October 2015, specifically Total Nitrogen.)

I just want to be sure that I understand before I finalize the report.

Dannielle Gray
ADEQ Water Inspector, District 4
(479) 424-0333

From: Nix, Terry [mailto:Terry.Nix@tyson.com]
Sent: Monday, November 21, 2016 4:28 PM
To: Gray, Dannielle

Cc: Mitchell, Janice
Subject: waldron visit

During your recent visit to the Tyson Waldron Wastewater Facility you pointed out some discrepancies in the lab reports that we had in our DMR files. I talked with the lab manager at the Tyson River Valley Regional Lab and she explained that the " Wastewater Certification Report" contains the actual raw numbers at time of testing. The other reports that we looked at were meant for process control purposes only and do not exactly reflect what the certified report contains. In the future we will keep all reportable data along with the DMR's in a separate file from the process control data. This should eliminate any confusion between the reports in the future.
Thank You,
Terry Nix
Wastewater Supervisor
Tyson Waldron

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From: Nix, Terry
To: Gray, Dannielle
Cc: Mitchell, Janice
Subject: waldron visit
Date: Monday, November 21, 2016 4:30:13 PM

During your recent visit to the Tyson Waldron Wastewater Facility you pointed out some discrepancies in the lab reports that we had in our DMR files. I talked with the lab manager at the Tyson River Valley Regional Lab and she explained that the " Wastewater Certification Report" contains the actual raw numbers at time of testing. The other reports that we looked at were meant for process control purposes only and do not exactly reflect what the certified report contains. In the future we will keep all reportable data along with the DMR's in a separate file from the process control data. This should eliminate any confusion between the reports in the future.

Thank You,

Terry Nix

Wastewater Supervisor

Tyson Waldron

Tyson Foods, Inc.

December 29, 2016

ADEQ
Kerri McCabe - Supervisor
Arkansas Department of Environmental Management
5301 Northshore Drive
North Little Rock, AR 72118-5317

RE: NPDES Permit Tracking Number AR0038482 AFIN: 64-00001

Dear Kerri McCabe:
We received your letter by email on 12/22/16 for the Compliance Evaluation Inspection on the NPDES Permit No. AR0038482 and ARR00A080 that was performed on November 21, 2016.

On the Summary of Findings:

1. Foam was observed in the effluent at the outfall. This is a violation of Part 1 A of the Permit.
   Response:
   Within the inspector notes, no foam was noticed in the effluent box of a persistent nature. However, foam was noticed in the tributary. The accumulation was due to levee maintenance performed by the City of Waldron on their lagoon system. Various limbs had been thrown into the unnamed tributary creating a situation where any surface solids would not flow downstream. The limbs were removed by the wastewater supervisor to restore a situation whereby accumulation of any foam cannot occur. Based on the citation and the facts around this "finding" Tyson disagrees with it being regulatory in nature and would request the "violation" be removed.
   Corrective Action: Antifoam has been added to the Waste Water System after the UV light right directly after the effluent pipe on 12/12/16 to eliminate the foam from reoccurring. The effluent at the outfall will be monitored on a daily basis for foam and documentation will be performed on the findings.
2. The Chain of Custody (COC) does not indicate that samples are being properly preserved during transit. Specifically, there is no indication as to the type of container the samples are stored in or whether or not that samples are being preserved with ice. This is a violation of Part III, section C.5 of the permit.
   Response:
   The use of the section cited as a basis for issuance of this violation is vague. Tyson can find no guidance by the Arkansas Department of Environmental Quality (Department) or the Environmental Protection Agency (EPA) on exactly what is required on the COC. There are requirements on how samples must be preserved, handled, and verification for all of those items are maintained by our labs. Tyson uses

approved and certified labs and the COC are provided by those labs. If samples are received that do not comply with the temperature or preservation methods required, those samples are flagged and the testing not performed. If the Department has a recommendation on what needs to be placed on a COC, Tyson would modify the forms in conjunction with that recommendation. Based on the facts cited, Tyson requests that this "finding" be removed as a regulatory violation.

Corrective Action: On 11/21/16, on the Chain of Custody Analytical Form Request Form was revised. The revision included adding the bottle type code (G= glass, plastic, V=Septum, and A=amber) and two columns that document the container type and a column how the sample is preserved.

3. Discrepancies were noted between lab analysis reports and data reports on Discharge Monitoring Reports (DMRS).

   a) Lab results are not always being reports in the appropriate line items on DMRS.

   b) DO and pH maximums and minimums are not being consistently accurately reported.

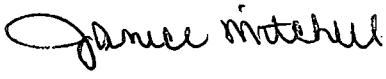
   Response:

   Tyson acknowledges that there have been some transposing issues related to our DMRs. The process for validating DMR accuracy prior to the inspection was that the Wastewater Manager filled out and reviewed the data for accuracy. Thank you for clarifying in the Department's inspection report that none of these oversights resulted in a violation of a water quality standard.

   Corrective Action: Starting with the DMR in January, the reports will be reviewed and filled out by the Wastewater manager and reviewed by Environmental Manager prior to submission.

Should you have any questions feel free to contract me at 479-637-5712 or email to janice.mitchell@tyson.com.

Sincerely,



Janice Mitchell
Complex Environmental Manager
479-637-5712

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North Little Rock, AR 72118-5317

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ADEQ

A R K A N S A S
Department of Environmental Quality

March 7, 2017

Ken Nelson, Complex Manager
Tyson Poultry – Waldron
442 Plant Street
Waldron, AR 72958

RE: Response to Inspection (Scott Co)
AFIN: 64-00001 Permit No.: AR0038482

Dear Mr. Nelson:

I have reviewed the response pertaining to my November 21, 2016 inspection of the Tyson Poultry Wastewater Treatment Plant in Waldron, Arkansas. The information provided sufficiently addresses the violations referenced in my inspection report. At this time, the Department has no further comment concerning this particular inspection. Acceptance of this response by the Department does not preclude any future enforcement action deemed necessary at this site or any other site.

If we need additional information concerning this matter, we will contact you. Should you have any questions, feel free to contact me at (479) 424-0333 or you may e-mail me at grayd@adeq.state.ar.us.

Sincerely,

Dannielle Gray
District 4 Field Inspector
Office of Water Quality

cc: Janice Mitchell, Tyson Foods, Complex Environmental Manager,
janice.mitchell@tyson.com