

# ADEQ

ARKANSAS  
Department of Environmental Quality

May 24, 2011

Kirby Murray, Public Works Director  
City of Berryville  
P.O. Box 227  
Berryville, Arkansas 72616

RE: AFIN: 08-00034

NPDES Permit No.: AR0021792

Dear: Mr. Murray:

On March 29, 2011, I performed a reconnaissance level inspection at the wastewater treatment 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. The inspection did not reveal any evidence of any violations.

If I can be of any assistance, please contact me at 870-446-6170.

Sincerely,



Bruce Kirkpatrick  
District 2 Field Inspector  
Water Division

cc: Water Division Enforcement Branch  
Water Division Permits Branch



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

## NPDES Compliance Inspection Report

Form Approved  
OMB No. 2040-0003

### Section A: National Data System Coding

Transaction Code	NPDES	Yr/Mo/Day	Inspec. Type	Inspector	Fac. Type
1 <b>N</b> 2 <b>5</b> 3 <b>A R 0 0 2 1 7 9 2</b> 11 12 <b>1 1 0 3 2 9</b> 17 18 <b>R</b> 19 <b>S</b> 20 <b>1</b>	Remarks				
<b>A F I N 0 8 - 0 0 0 3 4</b>					
Inspection Work Days		Facility Evaluation Rating		BI QA -----Reserved-----	
67 <b> </b> <b> </b> 69		70 <b>N</b>		71 <b>N</b> 72 <b>N</b> 73 <b> </b> 74 75 <b> </b> <b> </b> <b> </b> 80	

### Section B: Facility Data

Name and Location of Facility Inspected ( <i>For industrial users discharging to POTW, also include POTW name and NPDES permit number</i> ) <b>City of Berryville</b> <b>1000 W. Cedarvale</b> <b>Berryville, Arkansas</b>	Entry Time/Date <b>1615 / 03-29-2011</b>	Permit Effective Date <b>December 01, 2007</b>
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) <b>Darrell Backs, Chief Operator, 870-423-3749</b>	Exit Time/Date <b>1638 / 03-29-2011</b>	Permit Expiration Date <b>November 30, 2012</b>
Name, Address of Responsible Official/Title/Phone and Fax Number <b>Kirby Murray, Public Works Director</b> <b>City of Berryville</b> <b>P.O. Box 227</b> <b>Berryville, Arkansas 72616</b> <b>870-423-4074, 870-423-4501 (fax)</b>	Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Other Facility Data <b>Facility: 36 21' 25.95", -93 34' 43.51"</b>

### Section C: Areas Evaluated During Inspection

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

S	Permit	N	Flow Measurement	N	Operations & Maintenance	N	Sampling
N	Records/Reports	N	Self-Monitoring Program	N	Sludge Handling/Disposal	N	Pollution Prevention
S	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
M	Effluent/Receiving Waters	N	Laboratory	N	Storm Water		Other:

### Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

A reconnaissance inspection was performed to assess the status of the "smoky" condition of the wastewater which was passing through the POTW and was attributed to the pre-treated wastewater for the Tyson Foods Processing Facility. This inspection revealed that the effluent had cleared considerably from its condition the day prior. While the "smoky" condition still existed, it was much improved. The receiving stream just below Outfall 001 appeared to have a low turbidity. Tyson had made improvements in their treatment. The inspection did not reveal any evidence of any violations. Also, attached to this report is a copy of an inspection report from the 3-29-2011 inspection which was sent by memo to the Water Division Enforcement Branch and not previously mailed to the City.

Name(s) and Signature(s) of Inspector(s) <b>Bruce Kirkpatrick</b>	Agency/Office/Telephone/Fax <b>AR Dept. of Environmental Quality- Jasper</b> <b>870-446-6170; 870-4476-2181 (fax)</b>	Date <b>3-17-2011</b>
Signature of Reviewer	Agency/Office/Phone and Fax Numbers	Date

**Arkansas Department of Environmental Quality (ADEQ)  
Official Photograph Sheet**

<b>Location:</b>		Berryville WWTP						
<b>Photographer:</b>		Bruce Kirkpatrick			<b>Witness:</b>		none	
<b>Photo #</b>	1	<b>of</b>	4	<b>Date:</b>		3-29-2011	<b>Time:</b>	1620 hrs

<b>Description:</b>	Outfall 001							
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<b>Photographer:</b>		Bruce Kirkpatrick			<b>Witness:</b>		none	
<b>Photo #</b>	2	<b>of</b>	4	<b>Date:</b>		3-29-2011	<b>Time:</b>	1620 hrs

<b>Description:</b>	Receiving stream at Berryville WWTP just below Outfall 001							
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**Arkansas Department of Environmental Quality (ADEQ)  
Official Photograph Sheet**

<b>Location:</b>	Berryville WWTP						
<b>Photographer:</b>	Bruce Kirkpatrick			<b>Witness:</b>	none		
<b>Photo #</b>	3	<b>of</b>	4	<b>Date:</b>	3-29-2011	<b>Time:</b>	1621 hrs
<b>Description:</b>	Weir overflow at Final Clarifier 1						




<b>Photographer:</b>	Bruce Kirkpatrick			<b>Witness:</b>	none		
<b>Photo #</b>	4	<b>of</b>	4	<b>Date:</b>	3-29-2011	<b>Time:</b>	1621 hrs
<b>Description:</b>	UV unit						



**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY****WATER DIVISION****MEMORANDUM**

**TO:** Cindy Garner, Technical Assistance Manager, Enforcement Branch

**THRU:** Eric Fleming, Field Services Branch Manager

**FROM:** Bruce Kirkpatrick, Inspector 

**DATE:** 3-29-2011

**RE:** Berryville POTW  
NPDES Permit No. AR0021792 / AFIN 08-00034

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Attached please find the NPDES Inspection Report of my investigation on March 28, 2011. I will stop by and look at the discharge today. Please call me if you have any questions.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

# NPDES Compliance Inspection Report

Form Approved  
OMB No. 2040-0003

## Section A: National Data System Coding

Transaction Code	NPDES	Yr/Mo/Day	Inspec. Type	Inspector	Fac. Type
1 N 2 5 3 A R 0 0 2 1 7 9 2 11 12 1 1 0 3 2 8 17 18 R 19 S 20 1					
Remarks					
A F I N 0 8 - 0 0 0 3 4					
Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved	
67 69	70 N	71 N	72 N	73	74 75 80

## Section B: Facility Data

Name and Location of Facility Inspected ( <i>For industrial users discharging to POTW, also include POTW name and NPDES permit number</i> ) <b>City of Berryville</b> <b>1000 W. Cedarvale</b> <b>Berryville, Arkansas</b>	Entry Time/Date <b>0855 / March 28, 2011</b>	Permit Effective Date <b>December 01, 2007</b>
	Exit Time/Date <b>1010 / March 28, 2011</b>	Permit Expiration Date <b>November 30, 2012</b>
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) <b>Darrell Backs, Chief Operator, 870-423-4074, 870-423-4501 (fax)</b> <b>Mike Maynard, Operator</b>	Other Facility Data <b>Facility: 36 21' 25.95", -93 34' 43.51"</b>	
Name, Address of Responsible Official/Title/Phone and Fax Number <b>Kirby Murray, Public Works Director / 870-423-4074, 870-423-4501 (fax)</b> <b>City of Berryville</b> <b>P.O. Box 227</b> <b>Berryville, Arkansas 72616</b>	Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

## Section C: Areas Evaluated During Inspection

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



N	Permit	N	Flow Measurement	N	Operations & Maintenance	N	Sampling
N	Records/Reports	N	Self-Monitoring Program	N	Sludge Handling/Disposal	N	Pollution Prevention
N	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
M	Effluent/Receiving Waters	N	Laboratory	N	Storm Water	N	Other:

## Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

A reconnaissance level inspection was performed on March 28, 2011, in response to a report from the facility that they were receiving "smoky looking" water from Tyson-Berryville and this "smoky color" was passing through the POTW. Condition was reported to Ms. Cindy Garner, ADEQ Water Division Enforcement Branch Manager, on March 25, 2011. See attached photos taken on March 28, 2011. Except for the cloudy "smoky" appearance of the water, all parameters were normal at the POTW. Mr. Backs stated that the condition also existed on March 24, 2011. Compliance sampling at Outfall 001 was performed on March 24, 2011. Results from lab are as follows: .241 mg/l Ammonia, 4.74 mg/l CBOD and 12 col/100 ml Fecal Coliform Bacteria. The Tyson Plant began biological pre-treatment in February 2010 and has continued it to date. On several occasions over the past few weeks, the City asked Tyson to stop discharging for several hours at a time so that sewer tie-ins could be made. One theory being discussed as a factor in the current problem was that Tyson lost too much biomass in its treatment cell when lowering the volume to create capacity to store its wastewater during these ceases in discharge. Bench tests were being performed to assess the changes necessary to improve pretreatment at the Tyson Plant. Mr. Maynard stated by phone at 1240 hrs on 3/29/11 that the plant influent appeared to be clearing up but it would take it a while to all this water to get out of the WWTP.

Name(s) and Signature(s) of Inspector(s) <b>Bruce Kirkpatrick</b>	Agency/Office/Telephone/Fax <b>AR Dept. of Environmental Quality- Jasper</b> <b>870-446-6170; 870-4476-2181 (fax)</b>	Date <b>March 29, 2011</b>
Signature of Reviewer	Agency/Office/Phone and Fax Numbers	Date

**Arkansas Department of Environmental Quality (ADEQ)  
Official Photograph Sheet**

<b>Location:</b>		Berryville WWTP					
<b>Photographer:</b>		Bruce Kirkpatrick			<b>Witness:</b>		none
<b>Photo #</b>	1	<b>of</b>	8	<b>Date:</b>	3-28-11	<b>Time:</b>	0914 hrs
<b>Description:</b>		Outfall 001 effluent: filtered on the left of photo / unfiltered on the right					
							
<b>Photographer:</b>		Bruce Kirkpatrick			<b>Witness:</b>		none
<b>Photo #</b>	2	<b>of</b>	8	<b>Date:</b>	3-28-11	<b>Time:</b>	0921 hrs
<b>Description:</b>		Receiving stream at Berryville WWTP just below Outfall 001					
							

**Arkansas Department of Environmental Quality (ADEQ)  
Official Photograph Sheet**

<b>Location:</b>	Berryville WWTP						
<b>Photographer:</b>	Bruce Kirkpatrick			<b>Witness:</b>	none		
<b>Photo #</b>	3	<b>of</b>	8	<b>Date:</b>	3-28-11	<b>Time:</b>	0923 hrs

<b>Description:</b>	Weir overflow at Final Clarifier 1						
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<b>Photographer:</b>	Bruce Kirkpatrick			<b>Witness:</b>	none		
<b>Photo #</b>	4	<b>of</b>	8	<b>Date:</b>	3-28-11	<b>Time:</b>	0923 hrs

<b>Description:</b>	Final Clarifier 1						
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**Arkansas Department of Environmental Quality (ADEQ)  
Official Photograph Sheet**

<b>Location:</b>		Berryville WWTP						
<b>Photographer:</b>		Bruce Kirkpatrick			<b>Witness:</b>		none	
<b>Photo #</b>	5	<b>of</b>	8	<b>Date:</b>		3-28-11	<b>Time:</b>	0924 hrs

<b>Description:</b>	Berryville 001							
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<b>Photographer:</b>		Bruce Kirkpatrick			<b>Witness:</b>		none	
<b>Photo #</b>	6	<b>of</b>	8	<b>Date:</b>		3-28-11	<b>Time:</b>	0927 hrs

<b>Description:</b>	UV unit							
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**Arkansas Department of Environmental Quality (ADEQ)  
Official Photograph Sheet**

<b>Location:</b>		Berryville WWTP / Tyson Foods - Berryville						
<b>Photographer:</b>		Bruce Kirkpatrick			<b>Witness:</b>		none	
<b>Photo #</b>	7	<b>of</b>	8	<b>Date:</b>		3-28-11	<b>Time:</b>	0927 hrs
<b>Description:</b>		Final Clarifier 2 at Berryville WWTP						



<b>Photographer:</b>		Bruce Kirkpatrick			<b>Witness:</b>		none	
<b>Photo #</b>	8	<b>of</b>	8	<b>Date:</b>		3-28-11	<b>Time:</b>	0955 hrs
<b>Description:</b>		Tyson effluent						

