



ARKANSAS
Department of Environmental Quality

September 28, 2007

Mr. Kirby Murray, Public Works Director
City of Berryville
P.O. Box 227
Berryville, Arkansas 72716

RE: Manhole #4270 Overflow complaint

AFIN: 08-00034 NPDES Permit No.: AR0021792

Dear Mr. Murray:

On September 4, 2007, I performed an inspection of your collection system in response to a complaint. The complainant stated that the manhole behind her residence at 400 Orchard Drive in Berryville had again overflowed. This inspection was performed 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 revealed the following violations:

- 6000 gallons of waste was reported to have overflowed from the manhole #4270. This overflow entered the waters of the State. The spring-fed creek and the complainant's pond were again contaminated by an overflow at this location. This is the second reported overflow from this manhole in less than six weeks.

The above item requires your immediate attention. Please submit a written response to this finding to the Water Division Enforcement Section of this Department at the following address:

Water Division Enforcement Section
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

This response should contain detailed documentation describing the course of action taken to address the overflow, including environmental remediation efforts, and the corrections made to prevent further overflows at his location. The written response is due by October 19, 2007.

For additional information you may contact the enforcement section by telephone at 501-682-0639 or by fax at 501-682-0910.

Mr. Kirby Murray, City of Berryville
September 28, 2007
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If I can be of any assistance, please contact me at 479-267-0811, ext. 16.

Sincerely,

A handwritten signature in black ink, appearing to read "John Fazio". The signature is stylized and cursive.

John Fazio
District 1 Field Inspector
Water Division

cc: Water Division Enforcement Branch
Water Division Permits Branch

 <p style="text-align: center;">UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Washington, D.C. 20460</p> <h2 style="text-align: center;">NPDES Compliance Inspection Report</h2>	Form Approved OMB No. 2040-0003
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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	0	7	0	9	0	4	17	18	V	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				70				71		72		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>) City of Berryville Waste Water Collection System – Manhole #4270 Behind residence at 400 Orchard Dr. Berryville, Arkansas	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Entry Time/Date 1110 / 09-04-07</td> <td style="width:50%;">Permit Effective Date 11/01/02</td> </tr> <tr> <td>Exit Time/Date 1140 / 09-04-07</td> <td>Permit Expiration Date 10/31/07</td> </tr> </table>	Entry Time/Date 1110 / 09-04-07	Permit Effective Date 11/01/02	Exit Time/Date 1140 / 09-04-07	Permit Expiration Date 10/31/07
Entry Time/Date 1110 / 09-04-07	Permit Effective Date 11/01/02				
Exit Time/Date 1140 / 09-04-07	Permit Expiration Date 10/31/07				
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) J.J. Johnson / Operator / NA / NA	Other Facility Data Manhole #4270 location 36 21 27.97, -93 33 20.00				
Name, Address of Responsible Official/Title/Phone and Fax Number Kirby Murray / Public Works Director / 870-423-4074 / 870-423-4501 City of Berryville P.O. Box 227, Berryville Arkansas 72616	Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				

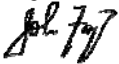
Section C: Areas Evaluated During Inspection							
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)							
N	Permit	N	Flow Measurement	U	Operations & Maintenance	N	Sampling
N	Records/Reports	N	Self-Monitoring Program	N	Sludge Handling/Disposal	U	Pollution Prevention
N	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
N	Effluent/Receiving Waters	N	Laboratory	N	Storm Water	U	Other: SSO

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

On September 4, 2007, I investigated a complaint in regards to the City of Berryville POTW having an overflow in the collection system at manhole #4270. An SSO report was submitted to the Department on August 31, 2007, as required by the permit. According to the complainant, Ms. Helen Heeter, the sanitary sewer overflow occurred August 30, 2007. According to the SSO report, 6000 gallons overflowed from the collection system. At the time of investigation, it appeared that the waste had been cleaned up. Lime had been spread in the area of the overflow. City personnel were to replace 8 inch clay lines with new collection lines from Orchard St. to Nelson St.

A previous overflow occurred at this manhole between 7/21/07 and 7/23/07. According to the complainant, the 8/30/07 overflow is the 9th overflow at this location since 1996.

Waste had overflowed from the manhole and entered the waters of the State.

Name(s) and Signature(s) of Inspector(s) John Fazio 	Agency/Office/Telephone/Fax AR Dept. of Environmental Quality-Fayetteville 479-267-0811, 479-267-0819	Date 9/28/07
Signature of Reviewer	Agency/Office/Phone and Fax Numbers	Date

Water Division NPDES Photographic Evidence Sheet

Location:	City of Berryville Waste Water Collection System – Manhole #4270						
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Photographer:	John Fazio			Witness:	None		
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Photo #	1	Of	6	Date:	9/4/07	Time:	1121
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Description:	Temporary line to bypass old clay lines for installation of new lines.						
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Photographer:	John Fazio			Witness:	None		
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Photo #	2	Of	6	Date:	9/4/07	Time:	1123
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Description:	Manhole #4270 and some of the area impacted by the overflow.						
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Water Division NPDES Photographic Evidence Sheet

Location:	City of Berryville Waste Water Collection System – Manhole #4270						
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Photographer:	John Fazio	Witness:	None		
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Photo #	3	Of	6	Date:	9/4/07	Time:	1123
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Description:	Ms. Heeter’s spring-fed pond behind her residence.						
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Photographer:	John Fazio	Witness:	None		
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Photo #	4	Of	6	Date:	9/4/07	Time:	1123
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Description:	Spring box immediately upgradient from manhole #4270.						
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Water Division NPDES Photographic Evidence Sheet

Location: City of Berryville Waste Water Collection System – Manhole #4270

Photographer: John Fazio **Witness:** None

Photo # 5 **Of** 6 **Date:** 9/4/07 **Time:** 1125

Description: Closer view of Ms. Heeter’s pond.



Photographer: John Fazio **Witness:** None

Photo # 6 **Of** 6 **Date:** 9/4/07 **Time:** 1125

Description: New collection system line sections to be installed.



City of Berryville

Public Works Department

P.O. Box 227
305 East Madison
Berryville, Arkansas 72616

PDS Insp
#036240

POST

OCT 20 2007

Office of the Director Kirby Murray

Phone: 870-423-4074
Fax: 870-423-4501

E-mail: pwdirector@hbark.com

-SL to Frank

October 18, 2007

Mr. Craig Hurley
Arkansas Department of Environmental Quality
5301 Northshore Dr.
N. Little Rock, AR
72118-5317

Re: Permit No.: AR00021792 - Response to Manhole Overflow

Dear Mr. Hurley:

I have received a letter from Mr. John Fazio concerning his inspection of a manhole (No. 4270) overflow complaint dated September 28, 2007. Mr. Fazio states that I need to respond to you by October 19, 2007, following is my response:

Mr. Fazio states: "6000 gallons of waste was reported to have overflowed from manhole #4270. This overflow entered the waters of the State. The spring-fed creek and the complainant's pond were again contaminated by an overflow at this location." I did report that 6000 gallons overflowed but it ran to the partially full pond, filled it and overflowed only down to Mrs. Heeter's driveway where it stopped. With our vacuum truck we then pumped two loads from the pond that equal approximately 6000 gallons and deposited that liquid at the wastewater plant's influent stream. Therefore I do not believe that any of this overflow entered "the waters of the State". The "spring-fed creek" he mentions is actually just a low, "mowable" area that runs part way through Mrs. Heeter's back yard to her pond. A wet-weather spring does contribute a small amount of flow after a rain. I do not know if this makes a difference to you but I did want to clear this up.

The solution to this problem was the replacement of 282 feet of poor quality clay tile with 8-inch PVC. This section runs from the manhole that overflowed (No. 4270) to the next manhole downstream that is located below Mrs. Heeter's pond by her driveway. Broken sections of the clay tile was the reason the line clogged and the manhole overflowed. We then ran our camera from this point down to the next manhole and found the clay tile there to be in fair shape but, like all clay tile I have seen, it was crazed with cracks. Just to be on the safe side we have hired a contractor to replace this 276 foot stretch of clay tile with 8-inch PVC down to the next manhole, he is working on this portion at the writing of this letter. Earlier, we hired this same contractor to replace portions of two lines that branch *upstream* from manhole No. 4270, one line was replaced with 172 feet of 8-inch PVC and the other was replaced with 140 feet of 8-inch PVC. These lines were in poor shape and although their replacement will not keep MH No. 4270 from overflowing they could have conceivably clogged and caused an overflow to the same area but from upstream manholes. In addition to this work the area has been cleaned up, topsoil was spread and seeded/mulched. The contaminated material was loaded into roll-offs for final disposal at the landfill.

I am confident that this work has solved the problem of the overflowing manhole. Sections of both lines leading to it have been replaced and the line leaving it has been replaced. Although it is most likely unnecessary, the additional replacement work on the lower section will further guarantee a trouble-free future for this area of sewer mains.

Please contact me with any questions or comments you may have.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kirby Murray', with a long, sweeping flourish extending to the right.

Kirby Murray

Cc: Mayor Tim McKinney