



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

Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

NPDES Compliance Inspection Report

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	6	8	11	12	0	7	0	5	1	4	17	18	V	19	S	20	1
Remarks																												
A F I N 5 8 --- 0 0 1 0 5																												
Inspection Work Days						Facility Evaluation Rating						BI		QA		-----Reserved-----												
67	0	0	3	69	70	N	71	N	72	N	73		74	75														80

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) Russellville City Corporation Wastewater collection system transmission line near Prairie Creek pump station	Entry Time /Date 1430 / 5-14-2007	Permit Effective Date April 1, 2005
	Exit Time/Date 1245 / 5-18-2007	Permit Expiration Date March 31, 2010
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Craig Noble / General Manager Larry Collins / WWTP Operations Manager Keith Gray / Maintenance Supervisor		Other Facility Data N35° 17' 06.96" W93° 08' 16.79" Discharge location
Name, Address of Responsible Official/Title/Phone and Fax Number Craig Nobel, General Manager Russellville City Corporation P.O. Box 3186 Russellville, AR 72811 479-968-2080 ext. 113		
		Contacted Yes <input checked="" type="checkbox"/> No <input 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	CSO/SSO
N	Records/Reports	N	Self-Monitoring Program	N	Sludge Handling/Disposal	N	Pollution Prevention
N	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Sampling
U	Effluent/Receiving Waters	N	Laboratory	N	Storm Water	N	Other:

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

This inspection was conducted due to a report from Russellville City Corporation that a hole had developed in a 24" force main coming from the Prairie Creek pump station in Russellville. The wastewater was entering Prairie Creek which flows into Lake Dardanelle. See accompanying memo for details.

Name(s) and Signature(s) of Inspector(s) Greg Kremers	Agency/Office/Telephone/Fax Arkansas Dept. of Environmental Quality / Russellville / 479-968-7339 / 479-968-7321	Date May 25, 2007
Signature of Reviewer	Agency/Office/Phone and Fax Numbers	Date

ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY

MEMORANDUM

TO: Dennis Benson, Water Division Enforcement Manager

THRU: Dale Washam, Inspector Supervisor

FROM: Greg Kremers, District 5 Field Inspector

DATE: May 25, 2007

SUBJECT: Sewer line break, Russellville City Corporation

I was notified of the situation by you on the afternoon of May 14, 2007. You stated that Russellville City Corp had experienced a hole in a force main from the Prairie Creek pump station. Wastewater was said to be entering a ditch that flows into Lake Dardanelle. You also stated in the email that Larry Collins with City Corp had informed you that the pumps at the station are pumping around 800 gpm when cycling but it was unclear as to how much was getting out. Mr. Collins stated that there was no way to contain the water and at the moment did not know what would be required to make the repair. I was called shortly afterward by City Corp General Manager Craig Noble and told him that I would meet him at the location near N. El Paso Avenue.

Upon arrival, I found the maintenance crew on site along with other representatives of City Corp. Maintenance Supervisor, Keith Gray, explained to me the plan of action he would take to stop the leak. The line was a 24 inch force main. They currently were not able to locate the line due to the amount of water that was leaking. The three pumps at the site could not keep up with the volume of water in the pipe. A 2000 gpm pump from TRS was in route to the site. While waiting, I verified that water from the line was traveling down the road and then entering Prairie Creek. I then left the site and observed Prairie Creek at two separate locations. The first was at West "K" Street, approximately ¼ mile downstream from where the waste was entering the stream. The stream was turbid and there was a strong wastewater smell. The second site was at the Corp of Engineers pump station on Lake Front Drive. This pump station is approximately 2 miles downstream and directly across the road from Lake Dardanelle. Since Prairie Creek is the major storm water collection system for the city, the COE will periodically discharge water from the creek into Lake Dardanelle. I could not tell that the waste stream had made it to this point at that time. I met with COE Environmental Specialist, Ron Hudson while there. He asked if they should hold the water until further notice. That was when I called you and you stated that we were not in a position to keep them from pumping due to flooding issues.

I told Mr. Hudson to go ahead and do what they needed. The pumps were turned on while I was there. I do not know how long they stayed on initially.



When I arrived back at the site, the pump from TRS had arrived. A hole above the line had been excavated to allow the pump to be backed into it. At this point, water at City Corp's Prairie Creek station was held back for a short period while the TRS pump was allowed to empty the hole of water to allow for further excavation. Once the well at the station was filled to capacity, water was then allowed to flow through, filling the hole again. This process would be repeated numerous times throughout the evening until the pipe was located. Larry Collins stated that they had pulled samples from three locations on Prairie Creek. I stated to Mr. Collins that City Corp should continue to pull samples the following day as well. I left the site at around 1700 hours.

I arrived back on location at 0800 on May 15. I spoke to Rickey Biffle of City Corp. He informed me that the pipe was replaced that morning at around 0445 hours. Approximately 20 feet of the ductile-iron pipe had been replaced. A gash along the length of the old pipe was observed. After verifying that no more wastewater was being discharged from the line, I left for prior commitments over the next few days.



On May 17, 2007, I received a call from Keith Gray. His crew had spread five tons of lime on the area affected by the release. Dirt that had been excavated during the process would be taken to the WWTP and placed in drying beds and limed. The area below the piles of dirt would then be limed.

I visited the COE pump station on May 18, 2007. It appeared that the COE had been pumping Prairie Creek while I had been away. The creek was lower than on the initial day, with areas of exposed bottom observed. It would probably be safe to say that most of the wastewater had been discharged to Lake Dardanelle at this point. No dead fish were found in the creek or around the shoreline on the lake. Live sunfish were observed in Prairie Creek.



Arkansas Department of Environmental Quality (ADEQ) Page 1
Official Photograph Sheet

Location:		Russellville City Corp line break, west of N. El Paso Ave.					
Photographer:		Greg Kremers			Witness:		
Photo #	1	Of	8		Date:	5-14-2007	Time: 1438
Description:							
<p>Origin of the wastewater line break. The three pumps could not empty water from the excavated hole fast enough to allow crews to find the line.</p>							
Photographer:		Greg Kremers			Witness:		None
Photo #	2	Of	8		Date:	5-14-2007	Time: 1502
Description:							
<p>Observation of Prairie Creek on West "K" Street. This is approximately ¼ mile downstream of where the waste was entering the stream.</p>							


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

Location:		Russellville City Corp line break, west of N. El Paso Ave.						
Photographer:		Greg Kremers			Witness:		None	
Photo #	3	Of	8	Date:		5-14-2007	Time:	1609
Description:								
Path of wastewater as it traveled down the road towards Prairie Creek.								
Photographer:		Greg Kremers			Witness:		None	
Photo #	4	Of	8	Date:		5-14-2007	Time:	1612
Description:								
Wastewater entering Prairie Creek to the right.								

Arkansas Department of Environmental Quality (ADEQ) Page 3
Official Photograph Sheet

Location:		Russellville City Corp line break, west of N. El Paso Ave.						
Photographer:		Greg Kremers			Witness:			
Photo #	5	Of	8		Date:	5-14-2007	Time:	1607
Description:								
Excavation of the hole above the line.								
Photographer:		Greg Kremers			Witness:			
Photo #	6	Of	8		Date:	5-14-2007	Time:	1641
Description:								
Water being pumped down the road to help aid in the finding of the pipe. Pump was brought in by TRS.								

Arkansas Department of Environmental Quality (ADEQ) Page 4
Official Photograph Sheet

Location:		Russellville City Corp line break, west of N. El Paso Ave.						
Photographer:		Greg Kremers			Witness:		Rickey Biffle	
Photo #	7	Of	8		Date:	5-15-2007	Time:	0800
Description:								
Completion of the newly installed segment of line.								
Photographer:		Greg Kremers			Witness:		Rickey Biffle	
Photo #	8	Of	8		Date:	5-15-2007	Time:	0800
Description:								
Section of old line where the leak had occurred.		