WENF Rec'd JAN 2 5 2008

CITY OF BOLIVAR

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Ms. Berla Johnson
Compliance Officer
U.S. Environmental Protection Agency
WWPD/WENF
901 North 5th Street
Kansas City, KS 66101

Re: Order for Compliance on Consent – City of Bolivar
Docket No. CWA-07-2007-0068

Dear Ms. Johnson:

The purpose of this letter is to submit to EPA the *Semiannual Status Report* required by paragraph 6 of Appendix A of the Order for Compliance on Consent entered by EPA on September 19, 2007.

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 submissions of false information.

Sincerely,

Ronald L. Mersch

Ron Mersch
City Administrator
City of Bolivar

Enclosure

i. **SUMMARY OF INFORMATION COLLECTED**

During the tracking period, June 30, 2007 through December 31, 2007, five-bypass events were recorded, resulting in rotor shut down at the wastewater treatment plant. Eight SSO events were recorded during this same tracking period. Six were lift station related and two were caused due to problems in the collection system. Included is a spreadsheet tabulating the events listed above titled "SSO Bypass Event Tracker".

ii. **CONFIRMED I/I SOURCES**

Included is a spreadsheet listing confirmed I/I sources located during the period of June 30, 2007 through December 31, 2007 titled "I and I Sources Confirmed". It is the result of video inspections by our sewer maintenance crew. The confirmed sources range from cracked bells and cracks in mains, to sections of pipe missing and manholes with tree roots in them, to seepage into manholes. An 800-foot section of line segment "I" between manholes "I2" and "I4" has been replaced. In an inspection done prior to this reporting period, it was found that this 10-inch clay main line segment had multiple I/I sources. Engineering of this project was by Scott Consulting Engineers of Springfield MO. C-2 Projects of Nixa MO was contracted for the installation of the new 10-inch pvc main, as well as the replacement of four new manholes and the lining of one manhole. Also included in this project was the replacement of 100 feet of 8-inch pvc main, one manhole that crossed a portion of Town Branch and the addition of 697 feet of 8-inch pvc main with three manholes. Service in the area of the 697-foot addition was provided by private service lines crossing other properties. Three of these service lines were faulty and have been replaced. The old Service taps no longer being used have been disconnected and capped at the main. One septic system was eliminated with the 697-foot addition.

iii. **PREVENTIVE MAINTENANCE ACTIVITIES**

Included is a spreadsheet titled "Sewer Maintenance and Inspection Report". This spreadsheet lists and describes all cleaning and inspection of sewer mains and manholes performed during the period of June 2007 through December 2007. City maintenance crews routinely run checks and perform needed maintenance on all the lift stations. I will develop a spreadsheet to include all items checked and any maintenance performed during routine checks of lift stations and will include it in the next semi-annual report. Following is a list with dates of repairs and maintenance at the lift stations: 7/01/07 replaced flood damaged parts at #3LS; 7/28/07 repaired air supply line to bubbler system at #2LS; 8/15/07 installed new air supply line to bubbler system at #2LS; 9/10/07 cleaned starter switch at #1LS; and 12/03/07 cleared moisture from bubbler system at #1LS. Knowing that we have several manholes needing renovation, we have experimented with brick manhole "IE2" by using a lining material. We will periodically inspect this manhole to see if it meets our expectations. Please see section ii of this report using the spreadsheet titled "I and I Sources Confirmed" to review other line segments that have been repaired or replaced.

iv. **STATUS OF PLAN OF ACTION**

As of this date, the Plan of Action and the Continuing Improvement Plan have not been submitted to EPA for approval. The City is, however, actively pursuing ways to improve our wastewater collection and treatment facilities. We are under contract with Scott Consulting Engineers of Springfield MO and they have pledged their expertise in design and sound engineering practices to help us succeed in making the necessary improvements needed. SCE has designed our sludge storage and handling improvements project at the wastewater treatment plant. We have taken bids on the project and work should begin in the next few months. They have put together an I/I study and completed a sewer capacity study for the City of Bolivar. By mid year, the implementation of GIS and the installation of a SCADA system should be in place. These tools will aid us in recording, mapping, compiling and reviewing what is going on within our collection system and will help us make good sound decisions for improvements. We increased sewer rates January 1, 2008 and have another planned increase for January 1, 2009 to help fund the necessary improvements needed.

v. **INDUSTRIAL USERS**

There are no Industrial Users within the City of Bolivar. We conducted a survey in August 2007 of users that might fall into this category and determined we currently have no customers that meet the criteria.

vi. **NPDES PERMIT VIOLATIONS**

Please see the spreadsheet titled "SSO Bypass Event Tracker. Our current NPDES permit limits are: BOD weekly average 45, monthly average 30; TSS weekly average 41, monthly average 27; Ammonia as N (summer) daily maxim 15, monthly average 2; (winter) daily average 17, monthly average 3; and pH range of 6.0-9.0. Also included are the DMR's and bypass forms that were submitted at the time of the event.

SSO Bypass Event Tracker

Event Codes
1= SSO
2= Bypass
3= Basement

Date Begin	Date End	Time Begin	Time End	Location Manhole ID	Location Line Seg ID	Event	Rainfall Amount	Approx. Discharge	Reporting Party	Sample Taken Y/N	Personnel, arrival time, & Remedy
06/30/07	07/03/07	11:00 PM	8:30 AM			2	2.82 inches				Joe Cornell, WWTP, shut the rotors off because the plant was hydraulicaily overloaded due to excessive rainfall. The plant was shut down fof 57.5 hrs.
07/01/07	07/01/07	6:30 AM	3:00 PM	yes	3LS	1	2.82 inches			N	In a 5 day period we received 5.30 inches of rain with 2.82 inches coming during the night of 6/30 and the morning of 7/1 this caused wide spread flooding. We had numerous manholes discharging and Town Branch flooded lift station #3. After the waters receded Dean Ponder and crew pumped out and dried out the lift station and restarted the pump. JCI field serviced and repaired the vacuum pump.
07/12/07	07/12/07	3:00 PM				1	n/a	100 gl		N	At 3:00 PM Dean Ponder received a report of a possible SSO at 1704 E. Division. He dispatched a crew and they found an abandoned service line that was discharging. The cleaning crew found a blockage of tree roots and paper towels, when cleared the SSO ended. The abandoned service line will be traced back to the main and disconnected.
07/28/07	07/28/07	9:30 AM	10:30 AM		2LS	1	n/a	1,000 gl	911 dispatch	N	Dean Ponder arrived at lift station #2 at 10:30 AM. He discovered that the pumps would run manually but not on automatic. He turned a pump on manually and the discharge ended.Upon further investigation he discovered that the air line to the bubbler system was split. He repaired the air line.
08/15/07	08/15/07	1:15 PM	1:20 PM		2LS	1	n/a	200 gl		Y	Dean Ponder arrived at lift station #2 at 1:15 PM. He turned the pump on manually and the discharge ended. The air line to the bubbler system had a kink and pin hole in it . He installed a new air line.
08/20/07	08/22/07	7:30 AM	7:30 AM			2	5.21 inches	5.6 mgd		Y	Joe Cornell,WWTP The city received approximatley 3 inchs of rain in a 4 1/2 hour period and a total of 5.21 inches in a 22 hour period. The rotors were shut off for a total of 48 hours.
09/07/07	09/07/07	4:30 PM	7:45 PM			2	.57 inches	234,000 gl		Y	Joe Cornell, WWTP The rotors were shut off for 3hrs and 15 min. due to the ground being totally saturated and receiving .57 inches of rain. The gallons discharged received total treatment.
09/08/07	09/08/07	12:45 PM	7:15 PM			2	.45 inches	810,000 gl		Y	Joe Cornell, WWTP The plant was experienceing hydraulic overload. The rotors were shut for 6 hrs and 45 min. due to the ground being totally saturated and receiving .45 inches of rain. The gallons discharded received total treatment.
09/10/07	09/10/07	2:15 PM	2:30 PM		1LS	1	n/a	150 gl		Y	Dean Ponder arrived at 2:30 PM and turned a pump on manually and the discharge ended. The pump did not come on automatically because the switch was out of adjustment. The switch was thourghly cleaned and adjusted.

SSO Bypass Event Tracker

Event Codes
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Date Begin	Date End	Time Begin	Time End	Location Manhole ID	Location Line Seg ID	Event	Rainfall Amount	Approx. Discharge	Reporting Party	Sample Taken Y/N	Personnel, arrival time, & Remedy
09/21/07	09/21/07	11:40 AM	12:00 AM		1LS	1	n/a	500 gl		Y	Dean Ponder arrived at 12:00 AM. Due to operator error the lever to the valve on the vacuum pump had been left open. Upon closing the valve the pump came on automatically ending the discharge. Dean verbally disiplined the operator responsible and refreshed all the operators of the importance of proper maintenance on the lift stations and to always make sure that the valve to the vacuum pump is closed after service.
10/25/07	10/25/07	12:30 AM	7:30 AM	D21		1	n/a	400 gl		Y	Robert Allard and Norman Acker responded to a complaint by a resident that their sewer was running slow. When they arrived there was no discharge from the manhole but it was apparent that the main was plugged due to the backup in the manhole. Using the sewer jetter the plug in the main was cleared. In the cleanning process and the time involved in clearing the main approximatley 400 gl discharged from the manhole.
12/03/07	12/03/07	4:45 PM	5:00 PM		1LS	1	n/a	2,100 gl	park employee	Y	Dean Ponder arrived at 5:00 PM and turned the pump on manually ending the discharge. Too much moisture had accumulated in the bubbler system and would not allow the pumps to come on automatically. There are 2 moisture collection areas in the system that must be bled of moisture on a regular schedule; only one of these collection areas was receiving this attention on a regular schedule.W/S superintendent, Dean Ponder explained to and instructed maintenance personel proper procedures in removing moisture from the bubbler system.
12/10/07	12/11/07	3:30 PM	8:00am			2	2.1 inches	1.4 mg		Y	Joe Cornell, WWTP operator shut the rotors off because the plant was hydraulically overloaded due to excessive rainfall. The plant was shut down for a total of 16.5 hrs.The strength of the bypass was partially treated and diluted.
01/08/08	01/08/08	8:15 AM	8:45 PM	IC2&IC3	IC	3	n/a	100gl	home owner	Y	Bob Allard received the call at 8:15am dispatched Norman Acker and Virgil Harris with sewer jetter by 8:45 am the crew had opened the main by removing root and grease build up. Crew later pumped the basement into the service line and offered aid to the home owner in the clean up. She stated that she would take care of the clean up but would call if she decided she needed help. Bob left 4 gallon of bleach for her to use in clean up process.
01/08/08	01/09/08	2:00 AM	7:30am			2	1.26 inches	4.1 mg		Y	Joe Cornell, WWTP operator shut the rotors off because the plant was hydraulically overloaded due to excessive rain fall. The plant was shut down for a total of 29.5hrs. The strength of the bypass was partially treated and diluted.