CITY OF BOLIVAR

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CHARLES L. EALY, MAYOR
345 S. Main Avenue
Office (417) 326-5242 or (417) 326-2489

December 20, 2007

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 *Data Management System* required by paragraph 3 of appendix B 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,

Ron Mersch

Ron Mersch
City Administrator
City of Bolivar

Enclosures

WENF Rec'd DEC 2 6 2007

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DATA MANAGEMENT SYSTEM

Using our Tracking System that is on an Excel spreadsheet (SSO/Bypass Event Tracker) all data related to SSO's, basement backups and bypasses are recorded on the Tracking System spreadsheet. We can then use the spreadsheet to correlate locations, dates, frequency of events and types of events, they can then be reviewed and analyzed on a daily, weekly, or monthly time frame by the Public Works Director. All current and past recorded events will be entered into the Tracking System to help give a broader overview of where troubles continue to occur or may exist. All city hall computers are backed up nightly and the backups are kept at an off site location.

Service orders are generated through our utility billing software (INCODE) when a consumer calls in a problem. The utility department generates a service order/trouble card then dispatches it to the sewer department. The information that is included in the trouble card is as follows: time, date, reporting person's name, address, phone number, trouble reported, who received the call, who received the trouble card and action taken. After the problem has been diagnosed and corrected the action taken portion of the card is filled in and returned to the utility billing department so they can complete the service order and then the information from the trouble card is recorded into the Tracking System. When diagnosing the problem, if we find a manhole discharging or a basement backup, all SSO reporting procedures are followed. When an SSO is not reported by a consumer but is discovered by an employee all SSO reporting procedures are followed and an SSO report form is used instead of a trouble card and is then recorded into the Tracking System.

All manholes have been given a numeric designation and all sewer mains have been given an alpha character designation on the sewer main map, which at this time is in hard copy only. Our plans are to have a GIS mapping system up and running by midyear 2008. The GIS mapping system has been budgeted for and bids for the system have been received and are under review. The vendor should be selected before the end of December 2007. The system will have layers that will include: sewer mains (using the alpha character designation), sizes and types, and manholes with invert elevation (using the numeric designation) and types. This system will greatly enhance our ability to track SSO and basement backup locations; frequency of events, repairs, upgrades, replacement,

cleaning schedules, manhole inspections, mains that have been videoed and flow monitoring data that has been collected. All the previously mentioned items can be documented on the mapping system. Notes with dates, times and various other information can also be included that will enable us to detect reoccurring events as well as locating random events through out the sewer system. The GIS mapping system will be housed in a computer server of its own and a city staff member will be trained to keep all information current and updated.

Our sewer cleaning and video crew keeps a daily log of all mains that are cleaned and inspected. While cleaning and inspecting, the crew is evaluating and grading the condition of the mains and manholes. This information is recorded on an Excel spreadsheet and will also be incorporated into the GIS mapping system. These video inspections and reports are reviewed and analyzed by the Public Works Director. This information will be used when determining which sewer basins require the most urgent attention when we get to the Plan of Action stage.

We have selected R.E. Pedrotti Co., Inc. to install a Scada system during the calendar year 2008. This system will monitor our lift stations; pump run time and float level in the wet wells as well as controlling our water wells. The computer data from the system will be used for flow monitoring during dry and wet weather. This system will also give us an early warning/alert if for some reason the pumps do not come on automatically. The warning/alert should help prevent any future overflows from the lift stations. The same warning/alert system will be installed on the clarifiers at the wastewater treatment plant. The warning/alert system uses a radio transmitter linked to a telephone dialer for immediate warning notification to designated employees telephones. We also plan to set up monitoring devices at a number of lift station locations that will be linked to the scada system to record rainfall amounts. This system will be housed in city hall on its own computer server which will deliver to us, in real time; pump run time (flow monitoring data) and rainfall amounts. Any number of reports can be generated from the scada system program that can in turn be used in the GIS system and Tracking system.

As these new tools come on line the Data Management System will be re-evaluated and re-engineered to incorporate these enhancements.