

## Rathe, Rebecca

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**From:** Randy Hawkins <rhawkins@bentonar.org>  
**Sent:** Tuesday, February 27, 2018 4:53 PM  
**To:** SSOADEQ  
**Cc:** Randy Hawkins; Nathan  
**Subject:** 5-day SSO Report - Conf. #1d8b2759-41d9-4324-be02-dabcf0a9f5e3

Dear ADEQ Water Quality Enforcement Officials,

This 5-day SSO Report is based on the report sent on Friday 02/23/2018 (Conf. #1d8b2759-41d9-4324-be02-dabcf0a9f5e3) as a subsequent event. Though this SSO did stop, it resumed the next day on Saturday, 02/24/2018 at 11:20 pm based on a "high-level" notification from the Willow Street Lift Station cellular unit. This station has 3, 40-hp, dry pit pumps that discharge effluent through a 14-inch force main under the railroad tracks to the north and directly to the Wastewater Treatment Plant. In addition, there is an adjoining downstream, auxiliary lift station with 2, 75-hp, submersible pumps that pump effluent uphill to the 52 million gallon equalization basin to the south. Because the equalization basin was approximately 2-feet from overflowing its levy and there was threat of a catastrophic flooding event had the levy been breached and the water ran to the south or west to Habitat for Humanity and other homes, the request was made by the Wastewater Treatment Manager to cut off the auxiliary lift station to this storage reservoir. Consequently, the 3 pumps in the Willow Street Lift Station per se could not keep up with the heavy flow in the 24-inch sewer main caused by the heavy rainfall event. The upstream manholes # Q11-38 and Q11-13A overflowed at approximately 11:20 pm Saturday 02/24/2018. During the initial overflow the manholes overflowed jointly at a rate of approximately 300 gpm and soon tapered down to about half that in 2 hours. At 6:30 am the next morning (02/25/2018) the overflow rate from both manholes together was about 25 gpm. By 9:30 am, the overflow had stopped altogether. The 3 pumps in Willow Street Lift Station have been adequate since. It is very difficult to estimate the flow, but based on my best calculations, I estimate a total overflow from these manholes at 75,000 gallons.

I estimate that 75% of this wastewater was rain water. Moreover, the overflow was quickly diluted in Depot Creek that was out of its banks. There was no adverse health effects noticed. A public notification sign remains posted between these manholes and Willow Street. There are no homes in the area. On Monday, 02/26/2018, the area around the manholes was disinfected and deodorized. Though we have done miles and miles of pipe bursting and manhole rehabilitation, this rain event suggests that there is much yet to do. This was an extraordinary rain event that totaled more than 9 inches in just a few days. Under much normal conditions, the I & I has been manageable. We will share all this information with our consulting engineering firm (McClelland), work towards needed improvements in our system.

Sincerely,

*Randy Hawkins*

Wastewater Conveyance Manager

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