

Rathe, Rebecca

From: Randy Hawkins <rhawkins@bentonar.org>
Sent: Tuesday, February 27, 2018 5:50 PM
To: SSOADECQ
Cc: Randy Hawkins; Nathan
Subject: 5-day SSO Report - Conf. #0e1c14ee-7de4-4825-a0a6-2f8605ea08ed

Dear ADEQ Water Quality Enforcement Officials,

This is a 5-day SSO report related to a manhole overflow that was reported on 02/23/2018 (Conf. #0e1c14ee-7de4-4825-a0a6-2f8605ea08ed). The main cause of this SSO was inflow and infiltration from the heavy rainfall in recent days that totaled between 9 and 10 inches. Last Friday afternoon, MH# 010-25 was discovered overflowing from the northeast sector of South and Conrad Streets. The crew found the downstream manholes very full. An attempt to rod from MH# 010-29 to 010-28 was made based on observation by the crew. The attempt was not successful. The best judgment at the time was that a main along South Street might have collapsed in part. Since the SSO was in a field area and was running into a ditch, the decision was made to let the heavy rainfall settle. When more heavy rain fell Saturday afternoon (02/24/2018), it wasn't until Monday morning that they crew was able to do more rodding. This time they cleared out a partial blockage between MH# 010-27 to 010-26. Consequently, the SSO stopped from the manhole and the water dropped.

The total amount of the SSO is very difficult to estimate. During the initial 90 minute observation, the flow was estimated at about 50 gpm. Because the inflow and infiltration subsided overnight, then came up again on Saturday afternoon, then dropped again overnight, the average of 20 gpm over the 68 hours is used. This would calculate as a total of 81,600 gallons.

This 8-inch concrete main beginning at 010-29 at Conrad and South Streets needs to be pipe burst to 10 inch upstream to Sevier Street to increase capacity and reduce I & I. There were no adverse health effects noted from this SSO. A public notification sign was posted on Friday, 02/23/2018, and the area businesses were advised. After the overflow stopped, the area was hydro-cleaned and deodorized and disinfected. The sign will remain posted for a few more days.

Sincerely,

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