

Rathe, Rebecca

From: Randy Hawkins <rhawkins@bentonar.org>
Sent: Tuesday, February 27, 2018 3:44 PM
To: SSOADEC
Cc: Randy Hawkins; Nathan
Subject: 5-day SSO Report - Conf. # cd401594-7eb9-4414-b61a-72e690d64eac

Dear ADEC Water Quality Enforcement Officials,

This report is sent as the required, 5-day report. This is my first time as manager to have an SSO report that we've not been able to get under control in 24 hours since I began in October 15, 2013. I first recorded this SSO at MH# P12-78 on 02/21/2018 at 8:00 am. It is west of the Central Arkansas Development Council building at 321 Edison. This SSO was observed as having stopped on 02/22/2018 at approximately 11:30 am. Thus, we had exceeded the 24-hour period. I estimate that the average gpm overflow rate for this duration was 20 gpm. This would represent a total overflow of 33,000 gallons. During this same period, a second manhole downstream in the woods (MH# P12-2) was observed overflowing slightly at an average rate of about 5 gpm. This would be an additional 8,250 gallons. These overflows were attributed to the heavy rainfall and the manholes downstream being full. I learned on the afternoon of 02/22/2018 that the crew had rodded from the next downstream manhole to #P12-78 to no avail.

These same manholes #P12-78 and #P12-2 along with a third manhole #P12-14 were observed overflowing again on 02/23/2018 at 7:00 am. I submitted another report Confirmation # 8719c7fc-99 The heavy rains overnight were mainly responsible. Because the collection system downstream was at capacity and holding in manholes, we had no other choice but to wait until the rains subsided and the collection system settled. The next day (Saturday, 02/24/2018 at approximately 9:00 am) the rain had stopped and an all-out effort was made to rod this 8-inch from Hazel Street at MH #P12-3 to P12-2 to P12-6 to P12-80 to P12-12 to P12-14. By this time only manhole #P12-78 was overflowing at a very small rate of about 5 gpm. The effort was successful, and the SSO stopped. We noted that the line is heavily infested with roots. We feel that debris was cleared in the line that had lodged in roots that enabled the line to slowly drain down. Even with the heavy rains on Saturday afternoon, there was no evidence of further SSO's in this group of manholes. On Monday, 02/26/2018 at about 10:00, we noted that the manholes were drained down to the benches and running approximately $\frac{3}{4}$ of a pipe. It is extremely difficult to accurately access the overflow amount from these manholes, but I will say we exceeded the former episode on 02/21/2018 thru 02/22/2018 by at least 10,000 gallons.

Because of the poor condition of this 8-inch line (from Pearson St. north of Edison) conjoined with another 8-inch line (from 1st and 2nd Streets north of Edison) being further conjoined with an 8-inch main from Main Street and Hazel and all passing under the double train tracks to the south to the 24-inch trunk line, we have put this on our pipe burst list. We will also be requesting our consulting engineer (McClelland Engineers) to examine the problem of line sizing and offer guidance for upsizing.

I did contact the Water Quality Enforcement Branch and spoke with "Alan". I believe this was last Friday, 02/23/2018. I discussed the overall condition of the collection system in Benton with him and informed him of the actions we were taking.

As reported, we posted public notification signs at the manhole at CADC and another to the west on the Purdy Auto Repair lot (now abandoned). We contacted the staff at CADC. On Monday, 02/26/2018, we hydro-cleaned the area around the manholes, vacuumed the debris and deodorized and disinfected. The overflows all went into a ditch that flows under the railroad tracks to the south into Depot Creek. The signs will be left up until we see how things go after the forecasted, heavy rains to come tonight. There was no observed threat to public health.

Thanks,

Randy Hawkins

Wastewater Conveyance Manager

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