

Jacksonville Wastewater Utility



248 Cloverdale Road, Jacksonville, AR 72076
Phone: (501) 982-0581 Fax: (501) 982-5791
www.jwwu.com

March 5, 2018

Ms. Leslie Allen-Daniel, Enforcement Analyst
Office of Water Quality
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118

RE: 5-day report for partial process bypass
NPDES Permit No: AR41335
AFIN No.: 60-00543

Dear Ms. Allen-Daniel:

As required by permit, this letter serves as a written five-day report concerning the partial treatment process by-pass, which was first reported to you by email on March 1, 2018.

Permittee Name: Jacksonville Wastewater Utility

Location of Bypass: 248 Cloverdale Road, Jacksonville, AR

Date on which bypass occurred: 2/28/18 – 3/2/18

Amount of water that was bypassed: Approximately 4.6 million gallons

Level of treatment before bypass: screening, biological nutrient removal, and secondary clarification. After bypassing the filters, the water was disinfected by UV.

Reason for bypass: The Jacksonville area received over 12.5 inches of rain over the dates of 2/20/18 – 3/1/18. Due to the extreme rain, the WWTP exceeded maximum capacity and nearly experienced spills and overflows inside the facility. In an effort to minimize SSOs throughout the city, a portion of the partially treated wastewater was sent from the secondary clarifiers directly to the UV disinfection, bypassing only the sand filtration. This bypass started at 11:30 a.m. on 2/28/18 and ended at 11:00 a.m. on 3/2/18. During this rain event, actual peak flow at the WWTP was 20 MGD with a design peak flow of 12 MGD.

The following is an analysis of the water during the bypass.

CBOD: 3.3 mg/L

Total Suspended Solids: 1.0 mg/L

Ammonia Nitrogen: 0.02 mg/L

Fecal Coliform: 2

No adverse environmental impact on the receiving stream has been observed and none is expected.

Please call me if you have any questions or need more information.

Sincerely,

A handwritten signature in cursive script that reads "Thea Hughes".

Thea Hughes
General Manager