

December 19, 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 phone call and on-line on December 17, 2018.

Permittee Name: Jacksonville Wastewater Utility

Location of Bypass: 248 Cloverdale Road, Jacksonville, AR

Date on which bypass occurred: 12/14/18 and 12/15/18

Amount of water that was bypassed: Approximately 255,000 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 5.36 inches of rain over the dates of 12/13/18 & 12/14/18. 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. The first bypass started at 5:20 P.M. on 12/14/18 and ended at 6:00 P.M. on 12/14/18. The second bypass started at 2:30 A.M. on 12/15/18 and ended at 5:30 A.M. on 12/15/18. During this rain event, actual peak flow at the WWTP was 22 MGD with a design peak flow of 12.5 MGD.

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

CBOD: 1.7 mg/L

Total Suspended Solids: 5.5 mg/L

Ammonia Nitrogen: 0.02 mg/L

Fecal Coliform: 2

pH: 6.15

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,



Thea Hughes
General Manager