

Jacksonville Wastewater Utility



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

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

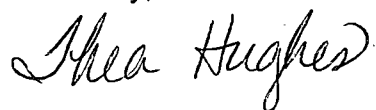
Fecal Coliform: 2

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,

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

Thea Hughes
General Manager

CERTIFIED MAIL

LITTLE ROCK



Jacksonville Wastewater Utility
248 Cloverdale Road
Jacksonville, AR 72076



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