



ARKANSAS

ENERGY & ENVIRONMENT

January 7, 2022

Honorable Shawn Lane, Mayor
City of Yellville - Yellville Wastewater Treatment Plant
P.O. Box 647
Yellville, AR 72687

RE: Chemical Usage
NPDES Permit No. AR0034037, AFIN 45-00023

Dear Mayor Lane:

This is in reference to the email from Robert Pugsley on December 16, 2021, regarding the usage of polyaluminum chloride (WTM-1855). It is our understanding that the polymer will be used to treat the return activated sludge aid in the settling of the activated sludge once it returns to the clarifiers.

Please ensure there is a containment plan for spills and a safety plan for usage. At this time, DEQ has no objection to the usage of the polymer as long as the product is used in accordance with the manufacturer recommendations.

It is noted that your current NPDES permit includes monitoring requirements for Chlorides and Total Dissolved Solids which are required to be evaluated during permit renewals for the potential that the effluent may contribute to excursions of downstream water quality standards. Introducing this product to the facility as part of treatment may cause unwanted increases to the effluent mineral levels and should be monitored closely as you proceed. Effluent mineral levels are evaluated for reasonable potential to cause exceedances and may require new mineral permit limits if reasonable potential is demonstrated based on the monitoring data collected during the permit cycle.

If there are further questions, please contact Kai Imamura, E.I. of my staff at (501) 682-0045, or by email at Kai.Imamura@adeq.state.ar.us.

Sincerely,

A handwritten signature in black ink that reads "Bryan Leamons".

Bryan Leamons, P.E.
Senior Operations Manager
Office of Water Quality, Division of Environmental Quality
5301 Northshore Drive, North Little Rock, AR, 72118

cc: Electronic Filing (AR0034037, w/ attachments)
Jason Bolenbaugh, Branch Manager, Field Services Branch
Richard Healey, Branch Manager, Enforcement Branch
Robert Pugsley, City of Yellville (ypwwwp@yellville.net)