RTC-SD: Benefits of Load-Based Polymer Dosing

Bowling Green Municipal Utilities Sludge Dewatering

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130,000 gallons/day waste per train 0.75% solids to 3 sludge holding tanks Sludge holding tanks decanted to thicken the solids to 1.5 - 3.0%

Operations: Dewatering 3-4 days per week; 24-hour dewatering process

Background

RTC-SD allowed for accurate tracking of sludge & polymer Hach RTC-SD polymer system exceeded expectations, decreasing the plant's polymer needs by 58%

Eliminated ~70%

of manual adjustments at

centrifuges that were required

to manage unpredictable sludge from

BGMU

More consistent cake

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\$250,000/year High chemical polymer budget costs for BGMU

Highly variable sludge (no digestion)

> Problems (Before RTC-SD)





See the Power of ClarosTM

For more information, visit hach.com/rtc



