



## CASE STUDY

Manufactured Since 1942 by: Apex Engineering Products Corporation



# HOLDING TANK TRANSFER PUMP CLEANING

An East Coast wastewater treatment plant experiencing filtration system flow issues turned to **RYDLYME** Biodegradable Descaler as a solution to remove the struvite deposits which had accumulated. Over nine years, struvite had restricted the flow of the system's 4" diameter by 350' long pipe connecting the transfer pump to the holding tank from 240 gallons per minute to 12 gpm. This indicated that the system was severely clogged and **RYDLYME** was immediately procured to resolve the issue. Once **RYDLYME** was added to the system piping, further confirmation of the severity of struvite was realized as just 55 gallons of **RYDLYME** filled the volume of a pipe section designed to hold 200 gallons. Due to this severity, the plant was forced to add **RYDLYME** incrementally and unable to circulate, but all of the struvite deposit was successfully dissolved. The pump was turned back on and immediately achieved a flow rate of 240gpm! By utilizing **RYDLYME** the plant was quickly and easily able to return to its original design capability.

"Overall, we can say things went better than expected! **RYDLYME** will be a 'go-to' for us when combatting struvite in the future." – Plant Assistant Superintendent



### CHALLENGE

Struvite had restricted flow in the system's 4" by 350' pipe connecting the transfer pump to the holding tank down to 12 gpm.

### SOLUTION

Four 55 gallon drums of **RYDLYME** were added incrementally and left to soak in the pipe without dilution in order to dissolve the struvite buildup.

### RESULTS

After the **RYDLYME** cleaning, the plant was back at 240 gpm! This flow rate had not been achieved since installation of the equipment!



800.451.6291  
630.820.8888

1241 Shoreline Drive  
Aurora, IL 60504

info@ApexEngineeringProducts.com  
www.ApexEngineeringProducts.com