



CASE STUDY

Manufactured Since 1942 by: Apex Engineering Products Corporation



WASTEWATER LIFT STATION STRUVITE CLEANING

A midwestern wastewater facility was severely hindered by struvite blockage within one of their lift stations. The severity of struvite buildup had seized multiple valves and pump driveshafts throughout the system. Repeated hydroblasting attempts were unsatisfactory in that only a few feet of the system was freed of struvite deposits after three days of cleaning. Labor costs and downtime strained their budget and operators!

Their safe, simple solution came in as **RYDLYME** Biodegradable Descaler. A circulation loop was established and manipulated for each of the four pumps to be cleaned. Each of the four loops were cleaned for 2 hours. After which, the **RYDLYME** was flushed from the system along with the dissolved struvite! Operators were completely satisfied with the **RYDLYME** cleaning and the results have been shared with other facility personnel to schedule the next cleaning.



CHALLENGE

Wastewater lift station pumps, valves and piping were severely clogged with struvite deposits. Hydroblasting for days achieved no results.

SOLUTION

Utilizing **RYDLYME** Biodegradable Descaler and a pumping system, a circulation loop was established to clean the system and completely dissolve the struvite deposits within 8 hours.

RESULTS

After flushing with water, pipes were opened fully, all valves functioned correctly and pumps achieved optimum flow rates! Other previously scrapped valves were cleaned separately with **RYDLYME** and now are retained as backups.

