



CASE STUDY

Manufactured Since 1942 by: Apex Engineering Products Corporation



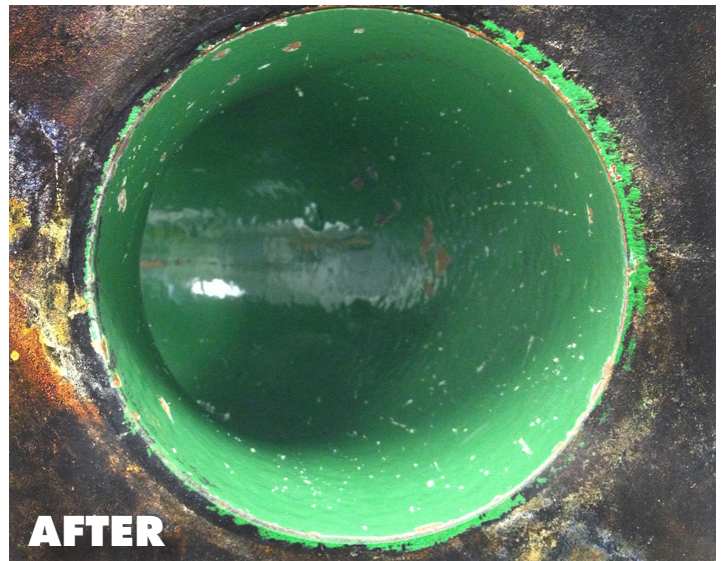
WASTEWATER PROCESS PIPE CLEANING

A pharmaceutical developer's wastewater system was experiencing flow issues caused by the collection of struvite scale deposits. The system consisted of over 1,000 feet of 8" pipe containing 2,640 gallons along with transfer pumps which normally provide flow rates of 300 gallons per minute. However, the struvite had become so severe that the pumps were restricted to just 60 gpm or 20% of their design capabilities.

Their solution came in 8 totes of **RYDLYME** Biodegradable Descaler. A circulation loop was established to pump the 2,640 gallons through the system and dissolve the struvite deposits. Given just 8 hours at 100% concentration, the **RYDLYME** had completed the cleaning and was flushed from the system. The pumps were turned on and immediately achieved 300 gpm! The facility has already updated their preventative maintenance program and implemented semi-annual **RYDLYME** cleanings to avoid this problem in future.



BEFORE



AFTER

CHALLENGE

A pharmaceutical developer's wastewater system was experiencing flow issues caused by the collection of struvite scale deposits. Flow was restricted from 300 gpm to 60 gpm. Only 20% of design!

SOLUTION

Utilizing 8 totes of **RYDLYME** Biodegradable Descaler. A circulation loop was established to pump the 2,640 gallons through the system and dissolve the struvite deposits.

RESULTS

Given just 8 hours at 100% concentration, the **RYDLYME** had completed the cleaning and was flushed from the system. Flow rates returned to normal. Semi-annual **RYDLYME** cleanings are scheduled!

