

# LONDON, OHIO, WASTEWATER TREATMENT PLANT - STRUVITE CONTROL



**Dewatering Equipment:** Belt Press

**Issue:** Struvite build-up

**Duration:** 35 day product evaluation with a HydroFLOW device - May 11 to June 16, 2016

**Objective:** Struvite removal without Chemical/Manual/Mechanical assistance



STRUVITE SCALE IN AN ANAEROBIC WASTEWATER TREATMENT PLANT CAN LEAD TO GREAT INEFFICIENCY WITHIN THE PLANT OR OPERATION DUE TO CLOGGING OF THE PIPES, PUMPS AND EQUIPMENT. SOLUTIONS INCLUDE MECHANICAL AND CHEMICAL CLEANING, WHICH REQUIRE SIGNIFICANT DOWNTIME.

A CHEMICAL-FREE METHOD OF REMOVING AND PREVENTING STRUVITE HAS BEEN DEVELOPED AND TESTED SUCCESSFULLY.



1/4 INCH STRUVITE BUILD-UP INSIDE THE BELT PRESS

THIS INNOVATIVE METHOD CAN ALSO SUBSTANTIALLY LOWER POLYMER USE IN THE DEWATERING STAGE AND ASSIST IN PRODUCING DRIER CAKE.

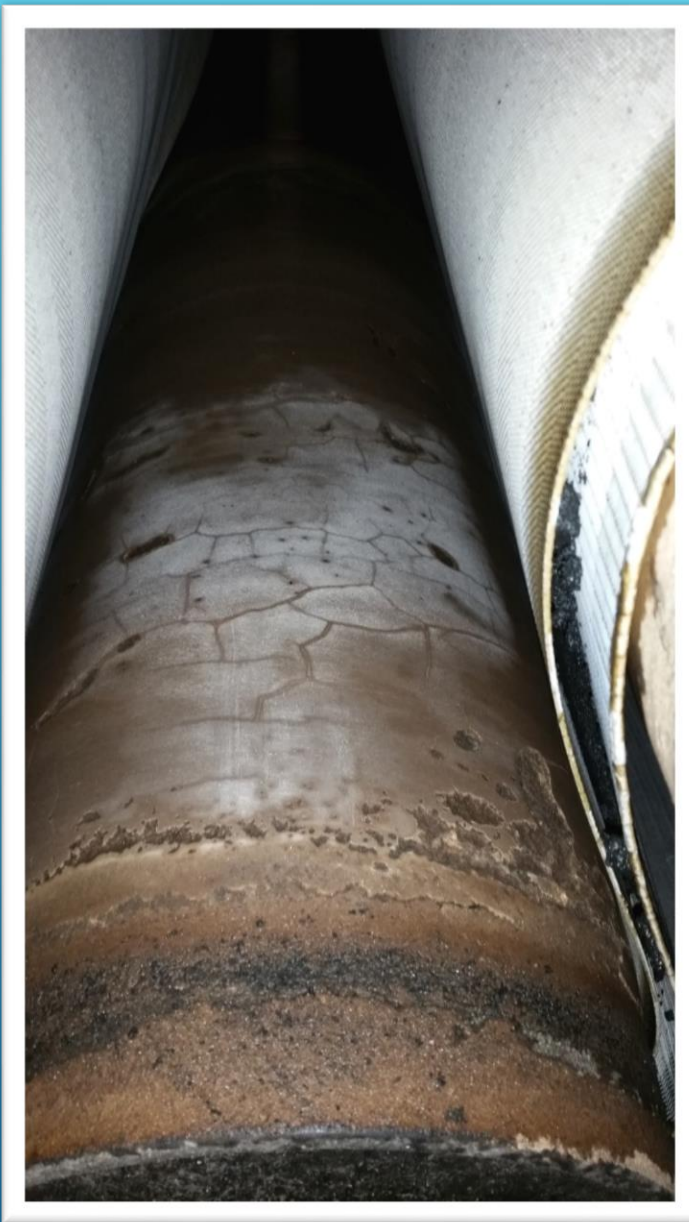




DRUM  
MAY 11, 2016



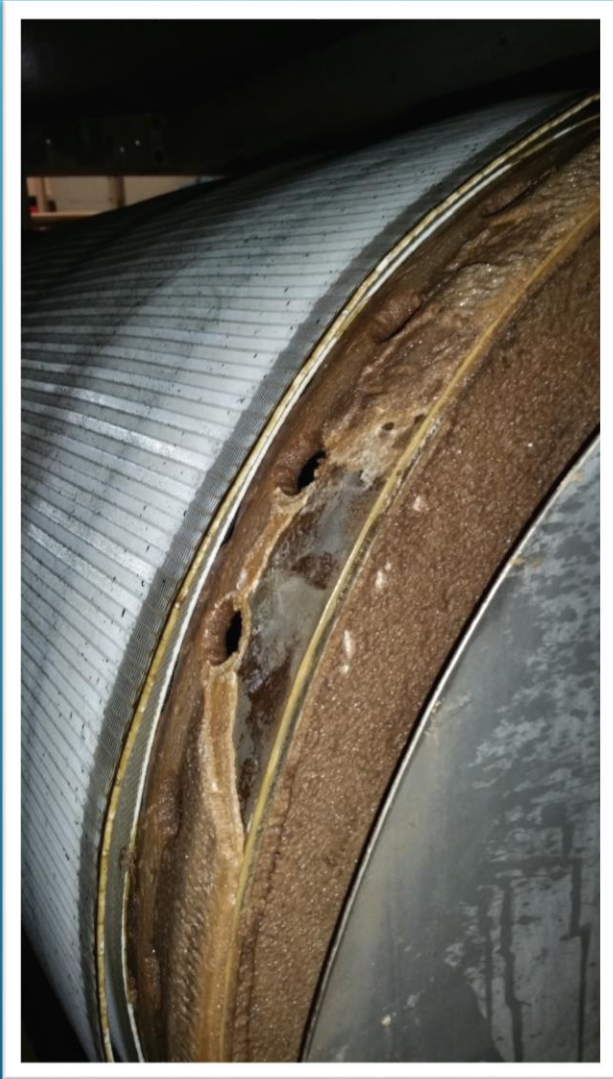
DRUM  
JUNE 16, 2016



BOTTOM ROLLER  
MAY 11, 2016



BOTTOM ROLLER  
JUNE 16, 2016



SIDE OF ROLLER  
MAY 11, 2016



SIDE OF ROLLER  
JUNE 16, 2016



BOTTOM BEAM  
JUNE 16, 2016

BOTTOM BEAM  
MAY 11, 2016



## **QUOTE FROM DAN LEAVITT, PLANT SUPERINTENDENT:**

“WE ARE SEEING LARGE PIECES COMING OFF THE FIRST ROLLER AND OFF THE WASH BOX. I WOULD SAY OVER HALF OF THE HOLES ON THE FIRST ROLLER ARE NOW OPEN!”

## **CONCLUSION OF 35 DAY PRODUCT EVALUATION:**

THE HYDROFLOW DEVICE STOPPED STRUVITE SCALE ACCUMULATION AND GRADUALLY REMOVED EXISTING DEPOSITS.

# FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

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