

MERUS REFERENCE

WASTE WATER TREATMENT PLANT KOMUNALA KRANJ



Komunala Kranj

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TUBULAR HEAT EXCHANGER AND TUBES ARE MADE OF STAINLESS STEEL. DUE TO THE FLOW OF SLUDGE THROUGH PIPES AND ITS COMPOSITION, STRUVIT CRYSTALS OCCUR. THIS MEANS THAT INNER DIAMETER OF 5" PIPE IS REDUCED DUE TO FORMATION OF STRUVIT DEPOSITES. AS A RESULT, FLOW AND TEMPERATURE ARE ALSO REDUCED.

TEMPERATURE MONITORING ΔT :

THE TEMPERATURE WAS RECORDED BEFORE AND AFTER INSTALLATION OF THE 5" BIO HCl MERUS RING. AFTER 3 MONTHS, THE PIPES WERE INSPECTED BY X-RAY. DURING THE TEST PERIOD, THE PIPES WERE X-RAYED IN ORDER TO RECORD THEIR CONDITION.

A COMPARISON OF THE SYSTEM AND CONDITION OF THE PIPES, AS WELL AS IN THE HEAT EXCHANGER ITSELF, WAS ALSO DONE VISUALLY BEFORE AND AFTER THE RING. A DIFFERENCE BETWEEN BEFORE AND AFTER USING THE MERUS RING IS OBVIOUS. AFTER INSTALLATION OF MERUS RING, WE DO NOT NEED TO REPLACE THE PIPES ANYMORE, BUT ONLY EFFORTLESS PERIODICAL CLEANING OF PIPES AND HEAT EXCHANGER IS NEEDED. CONSEQUENTLY WE SIGNIFICANTLY SAVE ON MAINTENANCE COST AND HAVE SMOOTH PROCES.

