

FLEXICLAD ER[®] Repairs Rubber Covered Drive Shaft at Wastewater Treatment Facility



The end of this 10 inch diameter drive shaft, used on the belt system for de-watering the 'floc' at this wastewater treatment facility, had to undergo some welding repairs. The existing rubber shaft covering had to be cut back to allow for the welding process.

The plant engineers needed to get the system running so they turned to their local ENECON Field Engineering Specialist for help. He suggested using FLEXICLAD ER to rebuild the exposed end – providing a seamless rubber finish on the shaft.

A plastic former was created (an ENECON mixing board was used for this) to help in the rebuilding process. After grinding the metal, a ¼ inch layer of FLEXICLAD ER was applied to re-finish the shaft end. After 30 minutes, the former was removed and more FLEXICLAD ER was applied to complete the repair on the exposed end of the shaft.

This entire project was successfully completed in just one day saving the plant thousands of dollars in down-time associated with conventional rubber repairs which would have taken 3+ weeks.

