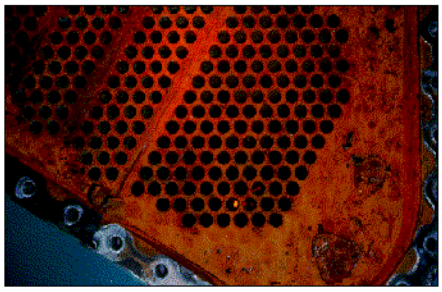
ARCOR® International

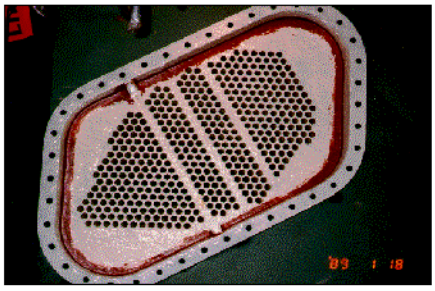
EPOXY TECHNOLOGIES™

WATER CHILLER / CONDENSER REPAIR

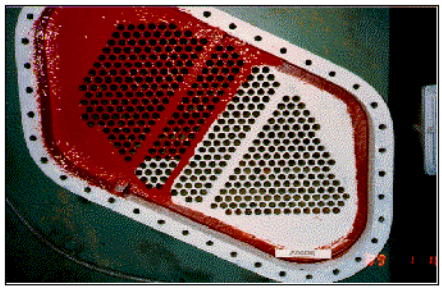
CASE HISTORY #035



Corroded chiller head



Application of ARCOR™ S-30 Prime

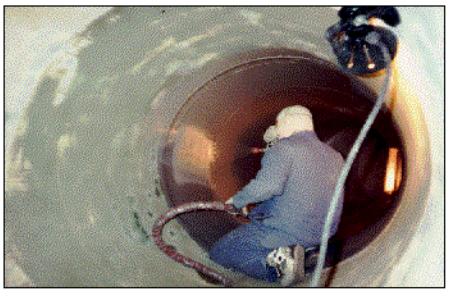


Use of TS-RB rebuilding compound

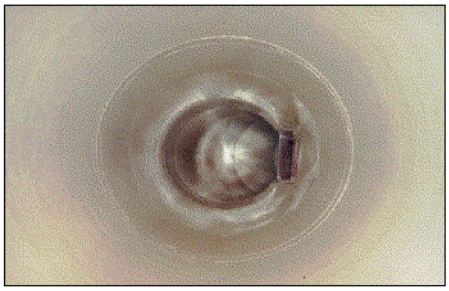
Heavy corrosion of water chiller / condenser units with carbon steel tubesheets suffering severe metal loss at the tube-to-tubesheet interface. A two-coat system of ARCOR™ S-30 was installed followed by the installation of ARCOR™ TS-RB along the channel head / tube sheet interface and at the tube-to-tubesheet interface. A top coat of ARCOR™ S-30 Blue was installed to bring the dry film thickness up to 30 mils.

CARBON STEEL HYDRO PENSTOCK

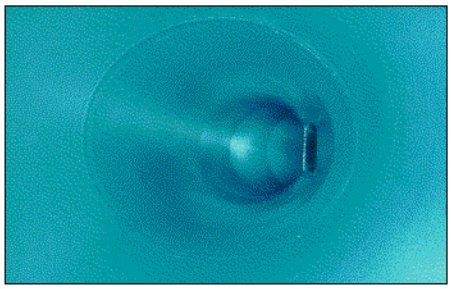
CASE HISTORY #036



Blasting surface clean



Application of ARCOR™ S-30

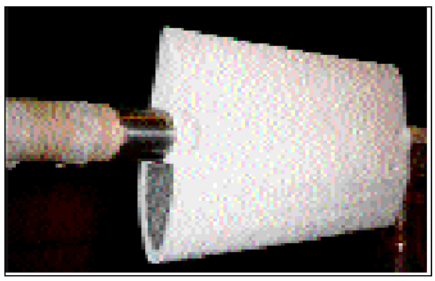


Unit complete with ARCOR™ S-30 top coat

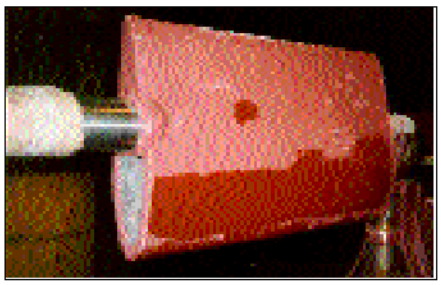
Carbon steel, welded construction hydro penstock with a 25 0-foot head developed concentrated corrosion. The penstock was first dried thoroughly. Abrasive-blasting followed to remove the failed lining, clean the substrate to SSPC-SP5 Standards and install a 3-mil minimum anchor profile. Two coats of ARCOR™ S-30 were spray-applied at 20 mils per coat for a total DFT of 40 mils. ARCOR™ TS-RB rebuilding material was installed between coats where pitting was evident.

WICKET GATE REPAIR

CASE HISTORY #037



Hand-applied ARCOR™ S-16 prime.



Intermediate coat S-16 and TS-RB.

Top-coated with ARCOR™ S-30 Blue.

Cast wicket gates used to direct the water flow over a hydro runner were damaged by corrosion. After abrasive-blasting, a three-coat system of ARCOR™ S-30 was installed by hand, with ARCOR™ TS-RB rebuilding material applied between the first and second coats to replace base metal that had been eroded away. This project was completed in September 1989 and is still in service today.

AEC Corp., PO Box 273, So. Dennis, MA 02660 Tel: 800-878-9593 Fax: 888-878-9593 e-Mail: ARCOR@ArcorEpoxy.com