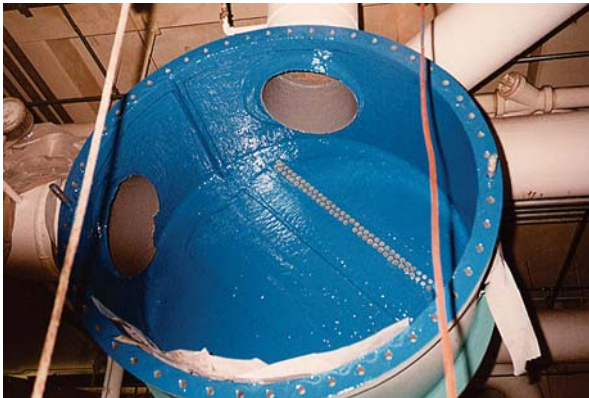
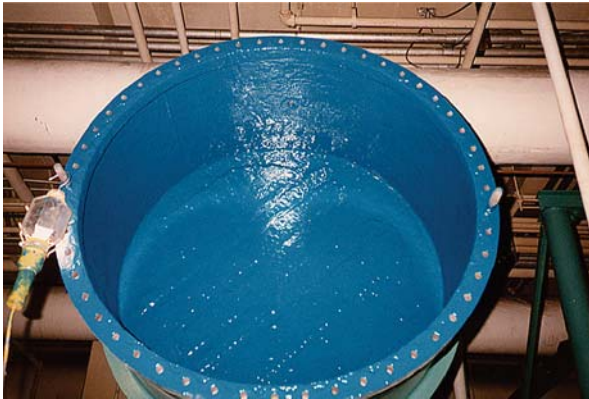


## CeramAlloy Re-Conditions Tube Sheets and Water Boxes On this 800 ton chiller



A large electronics manufacturing plant in Pennsylvania was faced with the typical problems of erosion and corrosion on one of their 800 ton chillers. They contacted their local authorized ENECON Fluid Flow Systems Specialist to visit the plant and evaluate the situation.

After hearing that such applications were exactly what our **CeramAlloy** was designed to accomplish, the facility chose to undertake the repairs **using their own employees**, with the ENECON Field Engineer

providing on-site technical support and training in the proper use and application of the materials.

The job took only one-and-a-half days and when it was finished, everyone was completely impressed with the results...so much so that the company is planning to institute a maintenance program to treat the other five 800 ton chillers and the two 1200 ton units at the facility in a similar manner in the future.

A **chiller** is a heat exchanger in an industrial air conditioning system in which warm water, passing through the tubes, is chilled by a **refrigerant**, in the shell of the unit, so that the water can subsequently be used to cool the air supply for the building.

One ton of air conditioning is equivalent to a capacity of 12,000 BTU's. Since the average house requires about 3 tons of air conditioning, an 800 ton unit provides the equivalent of enough "conditioned" air to cool almost **270 average homes!**

Increased environmental awareness will require that older chillers undergo "**tear downs**" and be modified to utilize new refrigerants that do not contain ozone depleting compounds. These tear downs present the perfect opportunity to rebuild the tube sheets and water boxes at the same time.