



What We Clean

- ✎ Chemical Cleaning
- ✎ Dry Ice Blasting
- ✎ Evaporators
- ✎ **Exchangers**
- ✎ Food Grade Process Equipment
- ✎ HVAC Equipment
- ✎ Machinery
- ✎ Paint Booths
- ✎ Pits / Ponds / Lagoons
- ✎ Process Piping
- ✎ Reactors
- ✎ Sewers / Drain Lines
- ✎ Silos
- ✎ Steam Turbines
- ✎ Tanks and Vessels

Case History

A 3,000 tube exchanger at a chemical plant in Illinois was cleaned successfully.

Hot product passed through the tube side; and cooling water passed across the shell side. The product had set up in the tubes and was not responding to conventional 10,000 psi waterblasting methods, so **EAGLE** increased the water pressure to 20,000 psi. This proved to be the most effective, cost efficient cleaning method for the tube side of the exchanger.



Meanwhile, as **EAGLE** worked closely with the customer's lab technicians, it was determined there were no significant changes in the chemical properties of the product that could be attributed to the hardening of the product in the tubes. So we turned our attention to the shell side of the exchanger and focused on the exchanger's ability to cool the product. After obtaining and analyzing scale retrieved from a low point drain, **EAGLE** and our customer determined it was necessary to chemically clean the scale from the shell side of the exchanger. Because of the type of scale found and the metallurgy of the exchanger, the solvent of choice was inhibited hydroxyacetic, formic acid in the appropriate ratios.



EAGLE SERVICES CORP provides industrial / environmental clean up services, 24 / 7 / 365, to process industries in the Midwest and planned clean up services from coast to coast.

The following are examples of services we provide and industries we serve.

Service Lines

- ✦ Bio Hazard Decontamination
- ✦ Centrifuging
- ✦ Chemical Cleaning
- ✦ Concrete Scarification
- ✦ Daylighting/Hydroexcavating
- ✦ Drum Management
- ✦ Dry Ice Blasting
- ✦ Filter Pressing
- ✦ Lab Packs
- ✦ Light Bulb Management
- ✦ Mold Abatement
- ✦ Pumping / Dewatering
- ✦ Runway Stripping
- ✦ Special Waste Hauling
- ✦ Spill Response
- ✦ Sewer Cleaning
- ✦ Vacuum Dry / Wet
- ✦ Video Inspection
- ✦ Waterblasting
- ✦ Water Cutting } 10,000 - 40,000 psi

Industries Served

- ✦ Agribusiness
- ✦ Automotive
- ✦ Chemical Processing
- ✦ Environmental / Response Contractors
- ✦ Food Processing
- ✦ Government
- ✦ Industrial Gas
- ✦ Manufacturing
- ✦ Municipalities
- ✦ Natural Gas
- ✦ Personal Care Products
- ✦ Petroleum Refineries
- ✦ Pharmaceuticals
- ✦ Pipe Lines
- ✦ Plastics Processing
- ✦ Power Generation
- ✦ Pulp and Paper
- ✦ Rail
- ✦ Resins
- ✦ Steel Mills / Metals
- ✦ Transportation
- ✦ Water Treatment