

CASE STUDY

Solids Program Delivers A 15% Reduction in Expenses

BACKGROUND

An aerospace company has a manufacturing facility located in the Midwest which uses four cooling towers (total capacity 400 tons) in support of their manufacturing and production processes. This location had been utilizing liquid chemical treatment for their cooling towers, but they were interested in making a change to a more sustainable, environmentally friendly solution, as directed by their headquarters.

Goals included:

- Maintaining the same or better level of system cleanliness
- Eliminate chemical drum handling/disposal
- Reduce inventory and related storage issues
- Reduce costs and environmental concerns of, and need for containment areas

SOLUTION

The installation of the new solid chemistry water treatment program was installed and included a scale and corrosion inhibitor, a dispersant and a registered biocide.



Manufacturing Study

RESULTS

The AP tech solid water treatment implementation has eliminated all liquid chemicals previously used to treat the cooling towers, while still providing effective water treatment. The work area around the towers is significantly neater and the installation reduced the space which had been required for drum storage by at least 75%. The heaviest container an operator must now handle is a 44 pound case of solid chemistry product delivered in recyclable containers.

The AP Tech implementation is cost competitive with the previous implementation. And when “hidden costs” such as shipping costs and drum disposal costs of the previous implementation are factored in, the facility is saving approximately 15% compared to the previous solution.



15%
REDUCTION IN
WATER TREATMENT
EXPENSES



INCREASED
SUSTAINABILITY

PRODUCTS USED

Cooling Towers

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C20V-C

Scale Reduction

CPEN-C

General Dispersant

C100-G

DBNPA -
EPA Registered Biocide