Successful Chemical and Steam Coil Cleaning At Manufacturing Facility

Problem
A manufacturing facility in the Midwestern U.S. was experiencing difficulty with their outdoor air handling units (AHUs). There were five units that had oil and grease on the coils causing them to perform poorly. This was creating several problems: the units were operating inefficiently, the buildings they were connected to were not being cooled properly, and there had been an increase in operational energy costs.

Analysis
Chem-Aqua Services surveyed the site and recommended a combination of professional chemical and steam coil cleaning for the AHUs. Since the airflow was hindered by both oil and grease covering the units, a combination of the two methods was deemed necessary. A chemical cleaner was recommended for the initial cleaning to help remove oil and grease from the coils, followed by steam to completely clean the coils.

Solution
The customer agreed to the combined chemical and steam plan. After the AHUs were cleaned, there was a marked increase in air flow, which improved system efficiency and also decreased energy costs. The facility manager was very pleased and observed, “The coils look great! Temperatures are about 15° cooler on all three compressors. I could tell a difference the minute I walked in.”

The customer was very satisfied with the combined chemical and steam coil cleaning work, as well as the subsequent increase in air flow. The facility manager was quick to share the success at his site with his counterparts at other sites.

Before Cleaning
Preparing to Professionally Clean
After Cleaning