

CHEMICAL PLANT - UPGRADED MODULAR CHILLER

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SCOPE OF WORK: FABRICATION, MECHANICAL & ELECTRICAL

M. Davis & Sons partnered with the engineer and customer, The DuPont Company, to fabricate & install a modular 10,000-ton cooling tower. Our role was to help find solutions to increase output of cooling and install a new tower in site's existing footprint while having zero impact to customer's operations. Steel and pipe fabrication, as well as the innovative idea to build the tower as a Modular Construction Design all started with the expert project leaders at M. Davis, and work began quickly in our fabrication facilities. Site installation of mechanical and electrical components were handled directly and expertly by our project teams.

CHALLENGES ON PROJECT

The existing site where the new cooling tower would replace the original tower from 1956 was tight. In order to assemble the modules, we made the decision to "air skate" them into position. Then the pipe bridges, piping and remaining misc. metals followed by controls and power were installed.

M. DAVIS SOLUTIONS

M. Davis & Sons project leaders instituted the innovative idea for the new tower to be constructed in a modular way in order to reach the goal for installation in the existing footprint. Fabrication off-site in our facilities occurred without any delays caused by weather conditions. Our mechanical & electrical teams communicated in tandem to work through change and create solutions which kept the project milestones moving on schedule thus achieving customer savings and project timeline met.