

MAKING BUILDINGS BETTER

MANUFACTURING

NORTHWESTERN FLAVORS

Owner: Wrigley's

Project Type: Comprehensive Turnkey Solution

Customer Challenges:

The project team was challenged to provide a process cooling application to keep the facility on-line. The new cooling process replaced a city water system that worked for decades, but was expensive to operate. The goal was to be an environmentally friendly neighbor to the community and receive cost savings by decreasing water usage. The chilled water system had to meet stringent demands. Northwestern Flavors would lose thousands of dollars for any downtime on the manufacturing process.

Trane Solutions to the Challenges of the Project:

Trane provided redundant Air-cooled chillers and pumps to resolve this challenge. For low temperature operation the design used a dry cooler. The dry cooler provides many hours of cooling during the plant's continuous 24 hrs per day, 7 days per week. Trane also provided chilled water pumps with Variable Frequency Drives. Trane Tracer Summit building automation system provides the necessary control logic to assure there is no interruption in Northwestern Flavors' process. In addition, the Trane Controls coordinate with the existing process control system through a BACnet interface. There was also an emergency service contract agreement created to minimize any downtime for Northwestern Flavors.

General Description of the Building:

Northwestern Flavors is a subsidiary of Wrigley. This facility, located in West Chicago is used for processing mint oils for the world's largest chewing gum maker. Once the flavorings are finished at Northwestern Flavors, they are sent around the globe in gum brands like Doublemint and Spearmint.

Trane Equipment/Controls:

Two Trane Air-cooled chillers, Chilled water pumps, Dry-cooler and a Tracer Summit Building Automation System.

