



Chemicals

Client

Georgia-Pacific

Location

Columbus, OH, USA

Georgia-Pacific Resin Plant

Project Highlights

Examples of the value added by CH2M HILL Lockwood Greene include the following:

- Designing an automatic snow melting system for the existing warehouse's roof, which prevents structural overload from snow buildup, eliminated the need to replace the roof system and increased its structural capacity.
- Incorporating and reusing design drawings and data from other Georgia-Pacific resin projects expedited the design development.
- Participating in the evaluation of a new Triconnex control system, which would override the normal DCS control system in case of an emergency, allowed Georgia-Pacific to have an error free, uninterrupted control system that resists hard failures and transient faults.

Project Description

To increase its overall production capacity, Georgia-Pacific selected CH2M HILL Lockwood Greene to provide full engineering, procurement, and construction management services for the rebuild of its resin production area.

Features

The facility included the following features:

- A new resin building and truck loading shed, new resin reactors and the condensing, distillation, and agitation equipment associated with the reactor
- Relocation and upgrade of the DCS/PLC control system
- Replacement of the bulk area bag system with a pneumatic truck unloading system
- Addition of parking spaces and a card-activated turnstile security system