

Acid Regeneration Plant

Dofasco

Construction engineering on a tight schedule

A major five-year expansion project at Dofasco Inc. included the design and construction of a new acid regeneration plant to replace two existing plants with additional capacity. The regeneration plant recycles and re-conditions waste acid from the pickling process.

JNE provided basic engineering to define scope, scheduling and project estimate for the new facility which employs a fluidized bed process that converts the residue to dust-free iron oxide pellets while reducing emissions released into the atmosphere.

In addition, JNE provided construction engineering services, including building design, foundations, structural steel, process piping and electrical. Further, JNE provided construction trade coordination as well as support for the Quality Assurance/Quality Control (QA/QC) program.

A key element of the JNE contribution was the development of a virtual 3D model of the facility. This model provided an outstanding way to visualize the project to ensure optimum design and eliminate potential interferences before construction, producing significant cost savings.

A tight construction schedule required an innovative and flexible approach to the complicated project. We worked closely with the client to successfully compress engineering and construction time. As a result, the project was completed on time and on budget.

Project Value: \$35M CDN

