



International Northern Latin America

Client

John Deere & Co.

Location

Torreon, Mexico

Design and Construction Management of the New Engine Plant for John Deere

Project Description

GLG Ingeniería Internacional, S.A. de C.V., CH2M HILL Lockwood Greene's Mexican subsidiary, provided design and construction management for this 538,000 sf engine plant. Site analysis, master planning, permitting, environmental impact studies, and risk analysis for a natural gas line were provided. Program elements included:

- A reduced schedule resulted in cost savings for John Deere & Co.
- GLG's bilingual capabilities and knowledge of cultural differences enabled an ease of communication with John Deere & Co.
- Knowledge of local building codes allowed for a fast-track project completion.
- On-site immediate assistance reduced travel and expenditure requirements, enabling John Deere & Co. to carry on normal business practices.

Features

The following are the scope of services provided by GLG:

- Development of the basic engineering for wastewater treatment process
- Development of the detailed engineering required for preparation of drawings, specifications, bill of materials, and all documents related to the bid packages for construction of the engine plant
- Follow-up engineering to construction management efforts
- Basic and detailed engineering for a time span of 15 months

The disciplines involved in this project were architectural, civil and structural, process, mechanical, electrical, HVAC, environmental, piping, and instrumentation and control systems.