

Project Profile

SGS North America, Inc.

Deer Park, Texas

\$ 8,264,000

Completed March 2009



Client Overview

The oil, gas, and chemicals division is part of the SGS Group of companies – the world's largest independent, international inspection, testing, and verification organization. The oil, gas, and chemicals division is a global provider for the petroleum and chemical industry. SGS tests a full range of petrochemical products, from raw crude oil to distilled and processed products.



Project Overview

Occupying 17,940 square feet, the new SGS laboratories provide comprehensive laboratory testing services to support regional and global customers. The new laboratory is comprised of two buildings on three acres of land; the main lab building consists of 16,500 square feet, and the second building consists of 1,440 square feet of laboratory, administrative, and storage facilities. LCS designed access to the site with routing for the trucks that deliver samples and a sample receiving area with security and safety in mind. This state of the art laboratory handles petroleum, petrochemical, and agricultural products along with biofuels, LPG, LNG and other commodities in accordance with ASTM, IP, UOP, ISO, and EN methods.

The design-build project consisted of tilt-wall construction with high interstitial space to accommodate extensive laboratory support services. Over one mile of 36" underground detention piping was installed to maximize usable space for construction. The cooling system is comprised of 450 tons of high efficiency chillers and multiple redundant capacity variable volume make up air handlers. The exhaust system is manifolded to common fans with VAV's for each hood to modulate in order to minimize wasted energy. Additionally, the laboratory contains over 1,500 linear feet of casework, as well as 20 fume hoods and 22 canopy hoods. The project was completed safely and free of accidents, from design to turnover, in less than 12 months.

Project Team

Project Manager: Dane McKittrick

Project Engineer: Chris Barrow

Superintendent: Randy Shaw

Superintendent: Mike Cody

Architect: Ray Redburn

