Park Derochie Coatings Ltd. – Project Profile

Petro-Canada SIG Project – Fireproofing, Painting & Welding

Petro-Canada's Edmonton Refinery Conversion Program is the largest construction project undertaken at the refinery since 1970. The Sulphur-In-Gasoline (SIG) project is part of phase one of the refinery conversion to allow upgrading and refining of oil sands bitumen-based feedstock into gasoline, diesel and other consumer end products. The SIG portion of the program will also help Petro-Canada meet the new federal restrictions on sulphur content in gasoline.

The Petro-Canada SIG project was managed and executed by the Wild Rose Joint Venture, consisting of SNC-Lavalin and Kellogg Brown & Root (KBR), a division of Halliburton Group Canada.

Park Derochie is proud of our extensive involvement in this project. We were active in multiple phases of construction – in our shop facilities, at KBR's module yard, and on-site at the refinery. 100% of the fireproofing for this project was performed by Park Derochie with the substantial synergies associated with the use of a single contractor.

During the initial shop portion of the project Park Derochie was able to pre-execute a great deal of the work scope in a safe, coordinated, and controlled environment. This included:

- Welding of attachments to structural members
- Abrasive blasting
- Application of two coat epoxy / polyurethane paint system
- Concrete fireproofing

The execution of these tasks at a single facility provided considerable "one-stop shopping" to the project and allowed for tight coordination and an aggressive schedule to be achieved.

Project Profile (continued) – Petro-Canada SIG project

Project Statistics – Shop:

- Zero recordable safety incidents
- Over 2,100 tons of steel processed
- 130,000 nuts welded to members
- 172,000 lbs of corner angles installed
- 9,800 pieces blasted and painted
- 1,000 structural members fireproofed

Project Statistics – Field and Module Yard:

- Zero lost time incidents
- Peak crew size of 110 in multiple disciplines
- 22 modules and associated stick-built members
- Concrete poured in-situ at heights up to 100 feet

Overall, more than 35,000 cubic feet of concrete applied!

PETRO-CANADA

Wild Rose Joint Venture

SNC·LAVALIN

HALLIBURTON KBR