

MINNEDOSA ETHANOL PLANT

Husky Energy

Minnedosa, Manitoba



Project Description

KGS Group were retained by Husky Energy, Calgary to carry out a detailed design and equipment procurement for a new 130 Million Litres per year motor grade ethanol plant in Minnedosa, Manitoba. Husky already owned and operated an existing 10 million litres per year plant at that site but determined that expansion of this facility would not be economically feasible. The new plant includes a new steam plant and cooling tower as well as grain receiving and storage and ethanol production facilities. In addition to ethanol, the plant produces approx. 389,000 tonnes per year of Distillers Dried Grain with Solubles (DDGS). State of the art drying technology is utilized on the project to control air emissions to environmentally acceptable standards.

KGS Group worked with Katzen International Inc, Cincinnati who provided advanced ethanol process technology to the team. KGS Group **modeled the entire plant** in order to minimize construction interferences and to provide detailed piping isometrics for the 15,000 m of large bore pipe and 8000 m of small bore pipe (<2" dia.) as well as fabrication shop drawings for the 1500 tonnes of structural and miscellaneous steel.

The \$200 million project construction began in 4th quarter 2005 and was completed in 4th quarter 2007.