



## Location

Sturgeon County, Alberta

## Client

North West Redwater Partnership (NWR)

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## Client Brief

The North West Redwater Partnership (NWR) is a 50/50 partnership between Canadian Natural Resources Limited (CNRL) and the Alberta Petroleum Marketing Commission (APMC). Together, the partnership owns and operates the Sturgeon Refinery, the first refinery of its kind to champion sustainability with carbon capture and bring resources and revenue back to the province through a unique business model.

## Project Description

Located 45 km northeast of Edmonton in Sturgeon County, the NWR Sturgeon Refinery is the first refinery designed from the ground up with a carbon capture solution that uses leading technology to maximize performance and minimize environmental impact while producing the high-value, low-carbon products needed to meet North Americans' energy demands.

The Sturgeon Refinery is now fully operational. By capturing carbon emissions produced during the refining process, the new refinery produces lower carbon intensity fuels from bitumen. The CO<sub>2</sub> is gathered and transported by the Alberta Carbon Trunk Line system to Central Alberta for enhanced oil recovery and permanent safe storage.

Ultra low sulphur diesel and other value-added products are produced from Alberta's bitumen with a focus on optimizing the facility for safe, reliable, long-term production. The refinery is designed for two additional identical phases, creating the opportunity to maximize production of lower carbon fuels while simultaneously supporting new employment and economic impact.

GeoVerra has been providing a variety of services to the Sturgeon Refinery since construction of the facility began in 2013. The team continues to be involved, providing ongoing survey and line locating support.

## Our Approach

GeoVerra is the market leader in advanced customized survey solutions for a wide variety of construction project needs. Our team of licensed land surveyors and project managers are focused solely on achieving client objectives to provide seasoned expertise you can rely on – it's the GeoVerra partnership promise.

We're pleased to continue to be involved and provide survey solutions to the Sturgeon Refinery.

## Primary Services

- Ground Disturbance (line locating, management of Alberta One-Call, database management)
- 3D scanning
- Construction surveys
- As-built surveys
- UAV support (inspection, marketing, orthoimagery)
- Control surveys and monitoring
- Underground facility database management
- Legal surveys

For more information on how GeoVerra can support your construction project, with a focus on safety, responsiveness and quality, send us a note at [www.geoverra.com/contact](http://www.geoverra.com/contact)