

UreaKnowHow.com provides services during Turnaround Yara Canada

Yara invited UreaKnowHow.com to be present during a major turnaround of Yara Canada in Belle Plaine, Canada. UreaKnowHow.com provided consultancy services related to the replacement of some HP Urea Equipment items and the inspection and possible repair of equipment and piping.

Before the turnaround UreaKnowHow.com visited the site to discuss in detail the relevant maintenance projects in the urea plant. During this first visit an extensive study was performed to look at how the high pressure equipment items could be replaced in the most efficient way.

Detailed drawings were made, showing how and where high pressure pipelines should be cut and which devices should be temporarily removed to facilitate the lifting of the replacement equipment.

An additional factor was that around this urea plant a building was made to protect the plant against the very harsh winter conditions.

The new devices were available only months earlier on the site, and were stored in a very professional manner, in an acclimatized provisional storage in such a way that the transport from and to the site could take place without the help of cranes. There were also strict policies ensuring that the nitrogen blanketing was intact during the entire period.



The storage time of the devices was used to connect the leak detection tubing and also a large portion of the insulation.



A kickback was that during the replacement of the equipment it showed that the high pressure gas lines were in poor condition.

This led to unforeseen work, resulting in the replacement and repair of certain sections of the HP piping. Insulation and heat tracing was improved and the pipe supports were shifted and better insulated.

Despite this setback, it was a very successful turnaround that could be achieved within the stipulated time.

contacts were established.