

## IQALUIT INTERNATIONAL AIRPORT IMPROVEMENT - EXPLOSIVE STORAGE

### Method of transportation

**Explosives:**

The manufacturer, MAXAM, ships his products from his location in Mont Saint-Gregoire, Quebec to the port of Sainte-Catherine, Quebec in adapted sea containers. From there, it is loaded on a ship by the maritime transporter NSSI.

Shipments of hazardous materials are subjected to special controls and are governed by the IMDG Code (International Maritime Dangerous Goods).

Once they reach Repulse Bay, containers are unloaded onto barges and delivered by the same maritime transporter to the storage area where magazines are already in place, according to federal laws.

Kudlik Construction crew then empty each container and place explosive into magazines. At this time, a record of inventory is created and then updated every time products are used or moved from one magazine to another.



Figure 1: Travel route between storage area and quarry



When the quarry is in operation, explosives are carried on site each day where a blast is scheduled. The distance to travel is approximately 500 meters. These explosives are transported in a truck equipped with a small storage magazine. The truck passes through mechanical inspection on a yearly basis and magazine complies with current regulations.

**Magazines:**

There is no associated risk with the transportation of the magazine since it is always transported empty.