

### **2.2.2.2 Handling and Storage**

Although AN is classified as a hazardous product, its storage and handling at Doris North is not considered to be a significant risk activity. AN will be delivered to site in heavy-duty, one-tonne tote-bags. At site, explosives will be handled and managed by MHBL personnel qualified and trained in safe handling procedures and in accordance with applicable legislation and regulations.

The proposed AN storage pad has been sited so that it is not located near any water body or water course. Precipitation runoff not absorbed by the storage pad fill material, will be absorbed by the surrounding tundra vegetation thereby reducing the risk of any release of AN prills or dust to surface water bodies or courses. In the event that runoff does transport AN prills or contaminated sediment away from the explosives storage pad (such as resulting from a significant spill event), temporary silt curtains will be placed in the water path to screen out this sediment well before it reaches any water course or water body.

AN bags will be stored within seagoing containers within the designated storage area at the permanent explosives storage area away from water bodies and from the explosive caps/detonator storage magazines. The bags will be handled individually when needed for the preparation of batches of explosive.

Any spills will be swept up and placed in suitable containers for use or disposal. Typically empty bags are not considered to be hazardous waste. However to prevent the uncontrolled release of fine AN material (that may be coating the inside of the bags) into nearby water courses, the empty bags will be shaken clean at the point of use and then burned in a burning pit at the site non-hazardous landfill area in a similar manner as other empty reagent bulk bags. This will prevent the empty bags from being used for other purposes.

All personnel exposed to AN will wear suitable personal protective equipment.