

UPGRADE OF STORAGE TANK CONTAINMENT SYSTEM

Hudson Bay Port Company

Churchill, Manitoba



Project Description

In 1999, KGS Group was a principal partner in the design of and construction supervision for new earthen berms, synthetic liner installation, oil-water separator ponds and underdrain collection system for the diesel tank farm, the turbo tank farm, the avgas tank farm, and the rail unloading area. The project involved the design, specification and construction management of over a kilometer of berms with geomembrane liner tying into a low permeability till unit to provide containment. The design and construction of a barrel storage area and site runoff control were also headed by KGS Group. A french drain system was also incorporated to lower the water table below the bottom of the tanks and to capture any spilled fuel. The work also incorporated improvements to the site surface drainage and routing of flows off-site to storm water and sanitary sewer discharge. A portable oil-water separator system allows recovery of spilled fuel. All works were carried out in consultation with and with approval from Manitoba Conservation Dangerous Goods Branch and in accordance with applicable legislation.