

Agricultural
Chemical / Petro
Construction
Building Products
Mining
Municipal
Oil & Gas
Port & Marine
Potash / Soda Ash
Power
Pulp & Paper
Sand & Gravel
Steel
Other



In 2012 Toyo/Hevy supplied 115 pumps to a Nickel processing plant in the Province of Newfoundland & Labrador. HEVY's long experience in the mining business paired with our ability to manufacture fully submersible, line shaft and cantilever pumps in a variety of materials was a major factor in helping us to secure this significant order.

The end customers' objective for the nickel processing plant in Long Harbour in Newfoundland, Canada, is to process concentrate from the mine/concentrator in northern Labrador to produce finished nickel product and associated cobalt and copper products. The project was built on a partial brownfield site near the port of Long Harbour. The plant footprint includes concentrate offloading, crushing, and grinding facilities located near the wharf; the main processing plant located approximately 2 km south of the port facility; a pipeline to supply process water; an effluent discharge pipe and diffuser into the harbor; and a residue pipeline into a nearby disposal area.

Of the 115 pumps, two pumps are DEM 61-50 Submersibles, three pumps are DBV 200LH Line Shaft pumps and 110 are Cantilever pumps comprising of 61-50, 71-50, 72-50 & 82-80 hydraulics. The Cantilevers are made up of: 18% ductile iron, 13% high chrome, 40% CD4MCu, 6% Alloy 20 & 23% Hastelloy C22. These pumps are able to handle this tough application with ease, relieving previously common stresses from our customer.

The pumps are still currently installed in this application handling various slurries containing acidic solutions that are required to separate iron, sulfur and other impurities from the Nickel, Copper & Cobalt.