

## MOLY FLOTATION CELL REPLACEMENT

---



Client: Highland Valley Copper

Value: \$ 3,000,000

Description: The existing two banks of Denver flotation #100 (eight cells each) had reached the end of their useful life. It was decided to replace them with Outokumpu (OK) Tank Cells #10 (eight flotation cells in two banks). Our design approach is to make the changeover with minimal disruption to the production of Moly. The existing structural support steel was used and reinforced. The tank cells were covered with lids to contain the H<sub>2</sub>S gas. A manifold connected with duct work to a new scrubber. The cells will be supplied with NaHS, N<sub>2</sub> and Co<sub>2</sub>. The two Conditioning Tanks upstream of the cells needed to be raised to accommodate gravity flow. Pump boxes (two) and pumps (four) were added to the floor level below the cells to pump concentrates to the thickeners.