

Endako Mine

The Endako Mine is a primary, surface molybdenum mine located near Fraser Lake, 100 miles northwest of Prince George, British Columbia. The mine is operated as a joint venture with Thompson Creek holding a 75% interest and Sojitz Corporation, a Japanese company, holding a 25% interest.

The Endako Mine is a fully integrated facility that began operations in 1965. It includes a concentrator that processes ore through crushing, grinding, and flotation circuits into molybdenum disulfide concentrate, and a multiple-hearth roasting facility that converts the concentrate into technical grade molybdenum oxide.

Processing capacity at Endako is approximately 31,000 tons of ore per day. In April 2008, the Corporation began an expansion and modernization project that would increase the mill capacity to 55,000 tons per day. However, in response to the economic downturn, the Corporation decided in December 2008 to postpone completing the expansion project until economic conditions improve.

The Endako Mine consists of three pits. The Endako Pit, the largest, was the focus of mining activity for many years. In January 2008, mining activity shifted entirely to the Denak West pit and during



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Electric shovel loading a truck at the Endako Mine



Aerial view of the Endako Mine

Plans call for the creation of a single pit by mining the walls between the three existing pits.



Inside the multiple-hearth roaster at the Endako Mine

2008 the Corporation moved the in-pit crusher from the Endako Pit to an area between the Denak West and Denak East pits and began installing an overland conveyor from that location to the mill. The conveyor commenced transporting ore to the mill in March 2009. Plans call for the creation of a single pit by mining the walls between the three existing pits.

Mine life was estimated in 2007 at approximately 26 years assuming a long-term molybdenum price of US\$10 per pound and updated costs. Based on existing mineral reserves, the mine life will be reduced to about 16 years when the mill expansion proceeds. The Corporation has been conducting exploration drilling in the area that may lead to a revision in mineral resources and reserves.



Ore-hauling truck at Endako Mine