

One of the World's Largest Molybdenum Producers

Focus on North America

Thompson Creek operates mines in Idaho and northern British Columbia.

The Corporation produces approximately 4% of the world's annual molybdenum supply.

Operator monitors gauges at Thompson Creek Mill.

Ferromolybdenum smelting at Langeloth Metallurgical Facility.

Quality operations

The Thompson Creek Mine near Challis, Idaho is the fourth largest primary molybdenum mine in the world.

The Endako Mine at Fraser Lake, British Columbia is the fifth largest.

Engineering plans presented at Thompson Creek Mine.

Endako Mine shovel loads ore into haul truck.



Large scale open-pit mining

Giant electric-powered shovels can move up to 90,000 tonnes of waste rock and ore per day.

Heavy duty 180-tonne trucks move ore from molybdenum porphyry deposits to on-site mills for processing.

High tonnage processing

The Thompson Creek and Endako mills together process up to 55,000 tonnes of molybdenite ore per day.

If plans to raise Endako's mill capacity proceed, the Corporation's total milling capacity will rise to 77,000 tonnes per day starting in 2010.

On-site processing

Molybdenite ore is crushed, ground and processed through flotation operations in on-site processing facilities known as concentrators.

The mills produce molybdenum disulfide concentrate (MoS_2), most of which is then further processed at the Corporation's two roasting facilities.

Supervisors plan blasting activity at Thompson Creek Mine.

Rod and ball mills grind ore at Endako Mine.

Major roasting facilities

Thompson Creek's metallurgical facility at Langeloth, Pennsylvania currently has the capacity to roast 35 million pounds of technical grade molybdenum trioxide (tech oxide) each year.

The Endako facility has the capacity to roast 15 million pounds of tech oxide per year.

The two facilities combined account for approximately 10% of the world's roasting capacity.

Furnace at Endako Mine roasts molybdenum concentrate.

Maintenance work on rod mill at Endako.



High-value products

In addition to technical grade molybdenum trioxide, the Corporation's Langeloth Metallurgical Facility produces value-added products, including pure oxide, oxide briquettes and ferromolybdenum.

The Langeloth facility is the largest North American producer of ferromolybdenum (FeMo), which is a preferred ingredient in many steel and cast iron manufacturing plants.

Commitment to environmental responsibility

Thompson Creek has an excellent record of complying with environmental laws and regulations and is committed to carrying out its social responsibilities in this regard.

The Corporation has undertaken a number of initiatives to minimize disruption to the environment and to promote recycling and proper waste management.

In addition, at both mine sites, the final reclamation obligation is largely pre-funded to ensure proper completion at the end of the mine life.