

McArthur River

Key Lake Operations



McArthur River is the world's largest, high-grade uranium mine, and Key Lake is the world's largest uranium mill. Uranium ore from McArthur River, which is 100 times the world average, is shipped to the Key Lake mill for processing.

Since mining began in 2000, more than 325 million pounds of uranium have been mined and milled at McArthur River and Key Lake. An estimated 250 million pounds (our share, proven and probable) remains in reserves.

Sustained low uranium prices resulted in a decision to curtail production for the foreseeable future and the operations is now in safe care and maintenance.

During the period of extended care and maintenance at the McArthur River mine and the Key Lake mill, the focus of the operations will be on the safe care and maintenance of the facilities and equipment, ongoing water treatment and on compliance activities.

mcArthur river operation facts

Location

- 610 km north of Saskatoon

Ownership

- Joint venture of Cameco (70%) and Orano Canada Inc. (formerly AREVA Resources Canada) (30%)
- Operator: Cameco

Production

- With Key Lake, McArthur River produced 16.1 million pounds of uranium concentrate in 2017
- Production licence limit: 25 million pounds

History

- Orebody discovered in 1988
- Mining operations began in 2000
- Placed in care and maintenance in January, 2018

key lake operation facts

Location

- 570 km north of Saskatoon

Ownership

- Joint venture of Cameco Corporation (83%) and Orano Canada Inc. (formerly AREVA Resources Canada) (17%)
- Operator: Cameco

Production

- Key Lake produced 16.1 million pounds of uranium concentrate from McArthur River ore in 2017.

History

- Since 1983, Key Lake operation has produced 535 million pounds of uranium concentrate.
- Since 2000, Key Lake has processed high-grade ore shipped from the McArthur River operation
- Placed in care and maintenance in January, 2018

Environment will remain key priority during 'care & maintenance'

During the extended care and maintenance period at McArthur River and Key Lake, there is a strong focus on maintaining the protection of the environment in and around our operating areas.

Our water treatment, environmental monitoring, waste management, radiation dosimetry programs and safety programs all continue unchanged from when both sites were in production. Environment staff that remain on site are conducting routine sample collection.



Cameco is committed to ensuring the health and safety of the environment and our people and all regulatory requirements will be met. At no time will we compromise on our strict environmental protection procedures.

Regular updates are also being provided on site and to our regulators so everyone is up to date on how things are going and what activities may be scheduled to occur. Federal and provincial regulators will be completing as many on-site inspections as they do during normal operations.

If any changes to the care and maintenance plan are required, we will address those quickly and efficiently by keeping the lines of communication open with our northern partners through community engagement.

McArthur River/Key Lake Workforce

During care and maintenance each site has approx. 50-70 people at site at any given time. These people operate water treatment facilities, conduct maintenance activities to ensure equipment

remains in good operable condition for our start up, conduct regular inspections of all shutdown facilities to ensure conditions are not changing and no concerns are present, and maintain SHEQ programs and processes.