

## Cigar Lake Operations



### **Cigar Lake is the world's highest grade uranium mine and is located in northern Saskatchewan.**

Since commissioning in 2014, the site has produced a total of 150 million pounds (100% basis). Commercial operation began in May 2015. As the operator, Cameco developed an innovative jet-boring technique specifically for mining this deposit. Cigar Lake's ore is processed 70 km northeast, at the McClean Lake mill, operated by Orano.

Cameco announced in May 2022 that it increased its ownership stake in Cigar Lake.



### **cigar lake operation facts**

#### **Location**

- 660 km north of Saskatoon

#### **Ownership**

- A joint venture of Cameco (54.547%), Orano Canada Inc. (formerly AREVA Resources Canada) (40.453%), and TEPCO Resources (5%)
- Operator: Cameco

#### **Workforce**

- During normal operations, Cigar Lake has around 320 Cameco employees and about 325 permanent and project-related contractors. About half of the workforce are residents of Saskatchewan's north.

#### **History**

- Deposit discovered in 1981
- Construction period 2005-2013
- First ore slurry shipped to McClean Lake on March 13, 2014
- First Cigar Lake uranium oxide packaged in October 2014
- Commercial production declared May 1, 2015
- Reached full production of 18 million pounds in 2017 interrupted by water inflows in 2006 and 2008 and the COVID-19 pandemic in 2020 and 2021

## Safety as a Core Value



Cigar Lake's risk-based approach and strong safety culture seeks to introduce safety controls before incidents occur. The operation's solid safety record has been recognized by the Canadian Institute of Mining, Metallurgy and Petroleum with the John T. Ryan Regional Metal Trophy for the Prairies and Territories award for four consecutive years.

## Protecting the environment

Environmental monitoring programs are in place at the Cigar Lake operation to help protect the surrounding environment. Samples of water, air, soil, plants and fish are collected from numerous locations around the site and tested to confirm that environmental protection systems are effective.

Monitoring results are submitted to federal and provincial regulatory authorities for review. Cameco also supports independent regional monitoring downstream of its Saskatchewan operations to ensure there are no cumulative effects on the regional watershed. The extensive monitoring undertaken at Cigar Lake, and areas downstream, have confirmed the environment remains protected.

## Regulatory oversight

In June 2022, Cameco's Cigar Lake licence from the Canadian Nuclear Safety Commission was renewed for a 10-year term which allows Cameco to continue operating the mine.

Cameco also operates Cigar Lake in accordance with the conditions outlined in the Approval to Operate Pollutant Control Facilities issued by the Saskatchewan Ministry of Environment.



cameco  
update

For more information visit:  
[www.cameconorth.com](http://www.cameconorth.com)  
306.956.6200 (Saskatoon)

