CAMECO CORP Form 6-K April 01, 2010

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549 FORM 6-K Report of Foreign Private Issuer Pursuant to Rule 13a-16 or 15d-16 Under the Securities Exchange Act of 1934 For the month of April, 2010 Cameco Corporation (Commission file No. 1-14228) 2121-11th Street West

Saskatoon, Saskatchewan, Canada S7M 1,J3

(Address of Principal Executive Offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F o Form 40-F þ

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934. Yes o No b

If Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b):

## <u>Exhibit Index</u>

Exhibit No.

Description

Page No.

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1. Cigar Lake Technical Report dated March 31, 2010

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## SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: April 1, 2010

Cameco Corporation

By:

/s/ Gary M. S. Chad

Gary M.S. Chad Senior Vice-President, Governance, Law and Corporate Secretary