

CAMECO CORP  
Form 6-K  
May 04, 2010

Table of Contents

**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 May, 2010  
Cameco Corporation  
(Commission file No. 1-14228)  
2121-11th Street West  
Saskatoon, Saskatchewan, Canada S7M 1J3  
(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  Form 40-F

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  No

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

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**TABLE OF CONTENTS**

Exhibit Index

SIGNATURE

EX-99.1

EX-99.2

EX-99.3

EX-99.4

EX-99.5

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**Table of Contents**

**Exhibit Index**

Exhibit No.	Description	Page No.
99.1	Press Release dated May 4, 2010	
99.2	Management's Discussion & Analysis for the first quarter ending March 31, 2010	
99.3	Interim Unaudited Financial Statements for the first quarter ending March 31, 2010	
99.4	Certification of Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 dated May 4, 2010	
99.5	Certification of Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 dated May 4, 2010	

**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: May 4, 2010

Cameco Corporation

By: */s/ Gary M. S. Chad*  
Gary M.S. Chad  
Senior Vice-President, Governance,  
Law and Corporate Secretary