

CAMECO CORP  
Form 6-K  
April 18, 2005

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**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, 2005

**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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**Exhibit Index**

Exhibit No.	Description	Page No.
1.	Press Release dated April 17, 2005	3

**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 18, 2005

Cameco Corporation

By: /s/ "Gary M.S. Chad"  
Gary M.S. Chad  
Senior Vice-President, Governance,  
Legal and Regulatory Affairs, and  
Corporate Secretary

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Share  
**Listed** Symbol  
TSX CCO  
NYSE CCJ

web site address:  
[www.cameco.com](http://www.cameco.com)

2121 1<sup>st</sup> Street West, Saskatoon, Saskatchewan, S7M 1J3 Canada  
Tel: (306) 956-6200 Fax: (306) 956-6201

### **Cameco Confirms One Bruce Reactor Taken Off-line**

Saskatoon, Saskatchewan, Canada, April 17, 2005

**Cameco Corporation** confirmed today that unit 6 at the Bruce B generating station was safely shut down at 7:45 p.m. on April 15 following a brief transformer fire outside the nuclear generating station.

No one was injured by the incident and Bruce Power is investigating the cause of the fire which was quickly extinguished by an automatic sprinkler system. The incident caused the release of mineral oil which is used as an insulator in the transformer. Efforts continue to recover the mineral oil which is biodegradable and contains no PCBs or radioactive material.

Bruce Power is determining how long it will take to repair the transformer and return unit 6 to service.

Units 3, 5, 7 and 8 at the generating station remain at high power while Bruce Power continues the planned inspection of unit 4 that began on March 12. Cameco indirectly holds a 31.6% interest in Bruce Power Limited Partnership, which leases the Bruce nuclear plants in Ontario.

Cameco, with its head office in Saskatoon, Saskatchewan, is the world's largest uranium producer. The company's uranium products are used to generate electricity in nuclear energy plants around the world, providing one of the cleanest sources of energy available today. Cameco's shares trade on the Toronto and New York stock exchanges.

Statements contained in this news release which are not historical facts are forward-looking statements that involve risks, uncertainties and other factors that could cause actual results to differ materially from those expressed or implied by such forward-looking statements. Factors that could cause such differences, without limiting the generality of the following, include: volatility and sensitivity to market prices for uranium, electricity in Ontario and gold; the impact of the sales volume of uranium, conversion services, electricity generated and gold; competition; the impact of change in foreign currency exchange rates and interest rates; imprecision in reserve estimates; environmental and safety risks including increased regulatory burdens; unexpected geological or hydrological conditions; political risks arising from operating in certain developing countries; a possible deterioration in political support for nuclear energy; changes in government regulations and policies, including trade laws and policies; demand for nuclear power; replacement of production and failure to obtain necessary permits and approvals from government authorities; legislative and regulatory initiatives regarding deregulation, regulation or restructuring of the electric utility industry

in Ontario; Ontario electricity rate regulations; weather and other natural phenomena; ability to maintain and further improve positive labour relations; operating performance of the facilities; success of planned development projects; and other development and operating risks.

Although Cameco believes that the assumptions inherent in the forward-looking statements are reasonable, undue reliance should not be placed on these statements, which only apply as of the date of this report. Cameco disclaims any intention or obligation to update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.

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<b>Investor &amp; media inquiries:</b>	Alice Wong	(306) 956-6337
<b>Investor inquiries:</b>	Bob Lillie	(306) 956-6639
<b>Media inquiries:</b>	Lyle Krahn	(306) 956-6316

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