

Wilson Mark Arthur  
 Form 4  
 December 14, 2010

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 Wilson Mark Arthur

2. Issuer Name and Ticker or Trading Symbol  
 Thompson Creek Metals CO Inc.  
 [TC]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)  
 \_\_\_ Director \_\_\_ 10% Owner  
 Officer (give title below) \_\_\_ Other (specify below)  
 VP Sales & Marketing

(Last) (First) (Middle)  
 C/O THOMPSON CREEK  
 METALS COMPANY, 26 WEST  
 DRY CREEK CIRCLE, SUITE 810  
 (Street)

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 12/10/2010

LITTLETON, CO 80120  
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 \_\_\_ Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	12/10/2010		M		5,000	A	\$ 7.39 (1)
Common Stock	12/10/2010		S		5,000	D	\$ (2)
Common Stock	12/13/2010		M		15,000	A	\$ 7.35 (3)
Common Stock	12/13/2010		S		15,000	D	\$ 13.86

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(4)

Common Stock	200	I	Spouse
Common Stock	6,800	I	IRA
Common Stock	300	I	Spouse IRA
Common Stock	400	I	Minor children

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (right to buy)	\$ 7.39 <sup>(1)</sup>	12/10/2010		M	5,000	11/09/2006	11/09/2011	Common Stock	5,000
Employee Stock Option (right to buy)	\$ 7.35 <sup>(3)</sup>	12/13/2010		M	15,000	11/09/2006	11/09/2011	Common Stock	15,000

## Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other  
VP Sales & Marketing

Wilson Mark Arthur  
C/O THOMPSON CREEK METALS COMPANY  
26 WEST DRY CREEK CIRCLE, SUITE 810  
LITTLETON, CO 80120

## Signatures

/s/ Anne G. Plimpton,  
Attorney-In-Fact

12/14/2010

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Represents the conversion of \$7.42 Canadian dollars based upon a conversion rate in effect on December 10, 2010.
- (2) Represents the conversion of \$13.92 Canadian dollars based upon a conversion rate in effect on December 10, 2010.
- (3) Represents the conversion of \$7.42 Canadian dollars based upon a conversion rate in effect on December 13, 2010.
- (4) Represents the conversion of \$13.92 Canadian dollars based upon a conversion rate in effect on December 13, 2010.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.  
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