

SIMMONS HAROLD C  
Form 4  
December 29, 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 \*  
SIMMONS HAROLD C

2. Issuer Name and Ticker or Trading Symbol  
TITANIUM METALS CORP [TIE]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
5430 LBJ FREEWAY, SUITE 1700

3. Date of Earliest Transaction (Month/Day/Year)  
12/29/2010

Director  10% Owner  
 Officer (give title below)  Other (specify below)

Chairman of the Board

(Street)

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

DALLAS, TX 75240

(City) (State) (Zip)

**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 Beneficial Ownership (Instr. 4)			
			Code	V	Amount	(D)	Price			
Common Stock, \$.01 par value	12/29/2010		J <sup>(1)</sup>		200	A	\$ 16.9495	2,535,500	I	by Kronos <sup>(2)</sup>
Common Stock, \$.01 par value	12/29/2010		J <sup>(1)</sup>		200	A	\$ 16.9496	2,535,700	I	by Kronos <sup>(2)</sup>
Common Stock, \$.01 par value	12/29/2010		J <sup>(1)</sup>		200	A	\$ 16.9497	2,535,900	I	by Kronos <sup>(2)</sup>

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Common Stock, \$0.01 par value	12/29/2010	<u>J</u> <sup>(1)</sup>	300	A	\$ 16.9498	2,536,200	I	by Kronos <u>(2)</u>
Common Stock, \$0.01 par value	12/29/2010	<u>J</u> <sup>(1)</sup>	8,767	A	\$ 16.95	2,544,967	I	by Kronos <u>(2)</u>
Common Stock, \$0.01 par value	12/29/2010	<u>J</u> <sup>(1)</sup>	2,500	A	\$ 16.96	2,547,467	I	by Kronos <u>(2)</u>
Common Stock, \$0.01 par value	12/29/2010	<u>J</u> <sup>(1)</sup>	100	A	\$ 16.965	2,547,567	I	by Kronos <u>(2)</u>
Common Stock, \$0.01 par value	12/29/2010	<u>J</u> <sup>(1)</sup>	400	A	\$ 16.9699	2,547,967	I	by Kronos <u>(2)</u>
Common Stock, \$0.01 par value	12/29/2010	<u>J</u> <sup>(1)</sup>	54,374	A	\$ 16.97	2,602,341	I	by Kronos <u>(2)</u>
Common Stock, \$0.01 par value	12/29/2010	<u>J</u> <sup>(1)</sup>	200	A	\$ 16.975	2,602,541	I	by Kronos <u>(2)</u>
Common Stock, \$0.01 par value	12/29/2010	<u>J</u> <sup>(1)</sup>	14,169	A	\$ 16.98	2,616,710	I	by Kronos <u>(2)</u>
Common Stock, \$0.01 par value	12/29/2010	<u>J</u> <sup>(1)</sup>	500	A	\$ 16.99	2,617,210	I	by Kronos <u>(2)</u>
Common Stock, \$0.01 par value	12/29/2010	<u>J</u> <sup>(1)</sup>	3,269	A	\$ 16.995	2,620,479	I	by Kronos <u>(2)</u>
Common Stock, \$0.01 par value	12/29/2010	<u>J</u> <sup>(1)</sup>	1,500	A	\$ 16.9975	2,621,979	I	by Kronos <u>(2)</u>
	12/29/2010	<u>J</u> <sup>(1)</sup>	144	A		2,622,123	I	

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Common Stock, \$.01 par value					\$ 16.9998				by Kronos <u>(2)</u>
Common Stock, \$.01 par value	12/29/2010	<u>J(1)</u>	65,397	A	\$ 17	2,687,490	I		by Kronos <u>(2)</u>
Common Stock, \$.01 par value	12/29/2010	<u>J(1)</u>	10	A	\$ 17.055	2,687,500	I		by Kronos <u>(2)</u>
Common Stock, \$.01 par value						44,878,081	I		by VHC <u>(3)</u>
Common Stock, \$.01 par value						21,825,875	I		by Spouse <u>(4)</u>
Common Stock, \$.01 par value						5,628,787	D		
Common Stock, \$.01 par value						882,568	I		by NL <u>(5)</u>
Common Stock, \$.01 par value						826,959	I		by Valhi <u>(6)</u>
Common Stock, \$.01 par value						707,355	I		by Contran <u>(7)</u>
Common Stock, \$.01 par value						566,529	I		by NL EMS <u>(8)</u>

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

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SEC 1474  
(9-02)



## 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) Open market purchase by Kronos Worldwide, Inc. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationships to the persons joining in this filing.
  - (2) Directly held by Kronos Worldwide, Inc. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationships to the persons joining in this filing.
  - (3) Directly held by Valhi Holding Company. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationships to the persons joining in this filing.  
  
Directly held by the reporting person's spouse. Mr. Simmons disclaims beneficial ownership of any shares of the issuer's common stock that his spouse holds. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationships to the persons joining in this filing.
  - (5) Directly held by NL Industries, Inc. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationships to the persons joining in this filing.
  - (6) Directly held by Valhi, Inc. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationships to the persons joining in this filing.
  - (7) Directly held by Contran Corporation. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationships to the persons joining in this filing.
  - (8) Directly held by NL Environmental Management Services, Inc. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationships to the persons joining in this filing.

### Remarks:

Exhibit Index

Exhibit 99 - Additional Information

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.