#### SIMMONS HAROLD C

Form 4

December 29, 2010

# FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL

OMB Number: 3235-0287

Expires: January 31, 2005

Estimated average burden hours per response... 0.5

5. Relationship of Reporting Person(s) to

(Check all applicable)

Issuer

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Washington, D.C. 20549

Form 4 or Form 5 obligations may continue.

Check this box

if no longer

subject to

Section 16.

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

2. Issuer Name and Ticker or Trading

TITANIUM METALS CORP [TIE]

See Instruction 30(h) of the Investment Company Act of 1940

Symbol

1(b).

(Print or Type Responses)

SIMMONS HAROLD C

1. Name and Address of Reporting Person \*

(Last)	(First)	(Middle) 3.	Date of Earliest	Transaction	l		(		,
5430 LBJ 1	FREEWAY, SUľ		Month/Day/Year) 2/29/2010			_	_X Director _X Officer (give t elow) Chairm	X 10% title Othe below) an of the Boar	r (specify
	(Street)	4.	If Amendment, l	Date Origin	al	6	. Individual or Joi	nt/Group Filin	g(Check
DALLAS,	TX 75240	Fi	led(Month/Day/Ye	ear)		_	pplicable Line) Form filed by On X_ Form filed by M erson		
(City)	(State)	(Zip)	Table I - Non	-Derivative	Secu	rities Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		Code	iomr Dispos (Instr. 3,	sed of		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)
Common Stock, \$.01 par value	12/29/2010		J <u>(1)</u>	200	A	\$ 16.9495	2,535,500	I	by Kronos (2)
Common Stock, \$.01 par value	12/29/2010		J <u>(1)</u>	200	A	\$ 16.9496	2,535,700	I	by Kronos (2)
Common Stock, \$.01 par value	12/29/2010		J <u>(1)</u>	200	A	\$ 16.9497	2,535,900	I	by Kronos (2)

Common Stock, \$.01 par value	12/29/2010	J <u>(1)</u>	300	A	\$ 16.9498	2,536,200	I	by Kronos (2)
Common Stock, \$.01 par value	12/29/2010	J <u>(1)</u>	8,767	A	\$ 16.95	2,544,967	I	by Kronos (2)
Common Stock, \$.01 par value	12/29/2010	J <u>(1)</u>	2,500	A	\$ 16.96	2,547,467	I	by Kronos (2)
Common Stock, \$.01 par value	12/29/2010	J <u>(1)</u>	100	A	\$ 16.965	2,547,567	I	by Kronos (2)
Common Stock, \$.01 par value	12/29/2010	J <u>(1)</u>	400	A	\$ 16.9699	2,547,967	I	by Kronos (2)
Common Stock, \$.01 par value	12/29/2010	J <u>(1)</u>	54,374	A	\$ 16.97	2,602,341	I	by Kronos (2)
Common Stock, \$.01 par value	12/29/2010	J <u>(1)</u>	200	A	\$ 16.975	2,602,541	I	by Kronos (2)
Common Stock, \$.01 par value	12/29/2010	J <u>(1)</u>	14,169	A	\$ 16.98	2,616,710	I	by Kronos (2)
Common Stock, \$.01 par value	12/29/2010	J <u>(1)</u>	500	A	\$ 16.99	2,617,210	I	by Kronos (2)
Common Stock, \$.01 par value	12/29/2010	J <u>(1)</u>	3,269	A	\$ 16.995	2,620,479	I	by Kronos (2)
Common Stock, \$.01 par value	12/29/2010	J <u>(1)</u>	1,500	A	\$ 16.9975	2,621,979	I	by Kronos (2)
	12/29/2010	<u>J(1)</u>	144	A		2,622,123	I	

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

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474

(9-02)

# $\label{thm:convertible} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

<ol> <li>Title of</li> </ol>	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Tit	le and	8. Price of	
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transac	tiorNumber	Expiration D	ate	Amou	ınt of	Derivative	
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Unde	rlying	Security	
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8	) Derivativ	e		Secur	ities	(Instr. 5)	1
	Derivative				Securities	3		(Instr	. 3 and 4)		
	Security				Acquired						1
	Ĭ				(A) or						1
					Disposed						
					of (D)						
					(Instr. 3,						
					4, and 5)						
					,,						
									Amount		
						Date	Expiration		or		
						Exercisable	Date	Title	Number		
						LACICISADIC	Duic		of		
				Code	V (A) (D)				Shares		

# **Reporting Owners**

Reporting Owner Name / Address	Relationships							
Tripologies ( net : tame / : tame /	Director	10% Owner	Officer	Other				
SIMMONS HAROLD C 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240	X	X	Chairman of the Board					
CONTRAN CORP 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240		X						
VALHI HOLDING CO 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240		X						
DIXIE RICE AGRICULTURE CORP INC 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240		X						

## **Signatures**

Robert D. Graham, Attorney-in-fact, for Harold C. Simmons					
**Signature of Reporting Person	Date				
Robert D. Graham, Vice President, for Contran Corporation					
**Signature of Reporting Person	Date				
Robert D. Graham, Vice President, for Valhi Holding Company					
**Signature of Reporting Person	Date				
Robert D. Graham, Vice President, for Dixie Rice Agricultural Corporation, Inc.					
**Signature of Reporting Person	Date				

Reporting Owners 4

## **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 (4) 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.