SIMMONS HAROLD C

Form 4

November 29, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL

OMB Number: 3

5. Relationship of Reporting Person(s) to

(Check all applicable)

Issuer

3235-0287 January 31,

Expires: 2005
Estimated average

Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16.

subject to Section 16. Form 4 or Form 5 obligations

Form 5 obligations may continue. See Instruction

1. Name and Address of Reporting Person *

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

2. Issuer Name and Ticker or Trading

TITANIUM METALS CORP [TIE]

Symbol

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

1(b).

(Print or Type Responses)

SIMMONS HAROLD C

	(Last)	(First)	(Middle)	3. Date o	f Earliest T	Transaction			(
5430 LBJ FREEWAY, SUITE 1700				11/24/2010				_	_X_ Director _X_ 10% Owner _X_ Officer (give title Other (specify below) Chairman of the Board		
(Street)						6. Individual or Joint/Group Filing(Check Applicable Line) Form filed by One Reporting Person					
	DALLAS,	ΤΧ 75240						_	_X_ Form filed by More than One Reporting Person		
	(City)	(State)	(Zip)	Tab	le I - Non-	Derivative	Secui	rities Acqui	red, Disposed of,	or Beneficiall	y Owned
	1.Title of Security (Instr. 3) Common	2. Transaction Dat (Month/Day/Year)		Date, if	3. Transactic Code (Instr. 8)	4. Securiti	ed of (Price	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)
	Stock, \$.01 par value	11/24/2010			J <u>(1)</u>	7,200	A	\$ 17.4899	7,200	I	by Kronos (2)
	Common Stock, \$.01 par value	11/24/2010			<u>J(1)</u>	4,800	A	\$ 17.49	12,000	I	by Kronos (2)
	Common Stock, \$.01 par value	11/24/2010			<u>J(1)</u>	18,000	A	\$ 17.5	30,000	I	by Kronos (2)

Common Stock, \$.01 par value	11/24/2010	J <u>(1)</u>	100	A	\$ 17.52	30,100	I	by Kronos (2)
Common Stock, \$.01 par value	11/24/2010	J <u>(1)</u>	1,300	A	\$ 17.5399	31,400	I	by Kronos (2)
Common Stock, \$.01 par value	11/24/2010	J <u>(1)</u>	5,550	A	\$ 17.54	36,950	I	by Kronos (2)
Common Stock, \$.01 par value	11/24/2010	J <u>(1)</u>	106	A	\$ 17.545	37,056	I	by Kronos (2)
Common Stock, \$.01 par value	11/24/2010	J <u>(1)</u>	6,450	A	\$ 17.5499	43,506	I	by Kronos (2)
Common Stock, \$.01 par value	11/24/2010	J <u>(1)</u>	16,494	A	\$ 17.55	60,000	I	by Kronos (2)
Common Stock, \$.01 par value	11/24/2010	J <u>(1)</u>	5,100	A	\$ 17.56	65,100	I	by Kronos (2)
Common Stock, \$.01 par value	11/24/2010	J <u>(1)</u>	100	A	\$ 17.565	65,200	I	by Kronos (2)
Common Stock, \$.01 par value	11/24/2010	J <u>(1)</u>	4,432	A	\$ 17.57	69,632	I	by Kronos (2)
Common Stock, \$.01 par value	11/24/2010	J <u>(1)</u>	200	A	\$ 17.575	69,832	I	by Kronos (2)
Common Stock, \$.01 par value	11/24/2010	J <u>(1)</u>	7,068	A	\$ 17.5799	76,900	I	by Kronos (2)
	11/24/2010	J <u>(1)</u>	23,100	A	\$ 17.58	100,000	I	

Common Stock, \$.01 par value								by Kronos (2)
Common Stock, \$.01 par value	11/26/2010	J <u>(1)</u>	200	A	\$ 17.3199	100,200	I	by Kronos (2)
Common Stock, \$.01 par value	11/26/2010	J <u>(1)</u>	4,800	A	\$ 17.32	105,000	I	by Kronos (2)
Common Stock, \$.01 par value	11/26/2010	J <u>(1)</u>	8,848	A	\$ 17.33	113,848	I	by Kronos (2)
Common Stock, \$.01 par value	11/26/2010	J <u>(1)</u>	1,452	A	\$ 17.34	115,300	I	by Kronos (2)
Common Stock, \$.01 par value	11/26/2010	J <u>(1)</u>	1,200	A	\$ 17.3599	116,500	I	by Kronos (2)
Common Stock, \$.01 par value	11/26/2010	J <u>(1)</u>	3,800	A	\$ 17.36	120,300	I	by Kronos (2)
Common Stock, \$.01 par value						44,878,081	I	by VHC
Common Stock, \$.01 par value						21,825,875	Ι	by Spouse (4)
Common Stock, \$.01 par value						5,628,787	D	
Common Stock, \$.01 par value						882,568	I	by NL (5)
						826,959	I	

Common Stock, \$.01 par value			by Valhi
Common Stock, \$.01 par value	707,3	55 I	by Contran
Common Stock, \$.01 par value	566,5	29 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)

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

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	isable and	7. Title a	and	8. Price of
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transac	tionNumber	Expiration Da	ite	Amount	of	Derivative
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ing	Security
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8	Derivative	e		Securitie	es	(Instr. 5)
	Derivative				Securities	1		(Instr. 3	and 4)	
	Security				Acquired					
					(A) or					
					Disposed					
					of (D)					
					(Instr. 3,					
					4, and 5)					
									mount	
						Date	Expiration	O1		
						Exercisable	Date		lumber	
				G 1	W (A) (D)			of		
				Code	V (A) (D)			S	hares	

Deletionshin

Reporting Owners

Reporting Owner Name / Address	Relationships						
. 0	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					

Reporting Owners 4

VALHI HOLDING CO

5430 LBJ FREEWAY, SUITE 1700 X

DALLAS, TX 75240

DIXIE RICE AGRICULTURE CORP INC

5430 LBJ FREEWAY, SUITE 1700 X

DALLAS, TX 75240

Signatures

A. Andrew R. Louis, Attorney-in-fact, for Harold C. Simmons 11/29/2010

**Signature of Reporting Person Date

A. Andrew R. Louis, Secretary, for Contran Corporation 11/29/2010

**Signature of Reporting Person Date

A. Andrew R. Louis, Secretary, for Valhi Holding Company 11/29/2010

**Signature of Reporting Person Date

A. Andrew R. Louis, Secretary, for Dixie Rice Agricultural
11/29/2010

Corporation, Inc.

**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) 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.

Signatures 5