SIMMONS HAROLD C

Form 4

December 16, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

3235-0287 January 31,

Expires:

5. Relationship of Reporting Person(s) to

Issuer

2005

0.5

response...

Estimated average burden hours per

subject to Section 16. Form 4 or Form 5 obligations

if no longer

Check this box

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]

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

Symbol

1(b).

(Print or Type Responses)

SIMMONS HAROLD C

1. Name and Address of Reporting Person *

			TITANIUM METALS CORP [TIE]		ΓIE]	(Check all applicable)				
(Last) (First) (Middle) 5430 LBJ FREEWAY, SUITE 1700		3. Date of Earliest Transaction (Month/Day/Year) 12/14/2010				X	_X DirectorX 10% OwnerX Officer (give title Other (specify below) Chairman of the Board			
File				Filed(Month/Day/Year) Ap				Individual or Joint/Group Filing(Check plicable Line) _ Form filed by One Reporting Person _ Form filed by More than One Reporting		
(City)	(State)	(Zip)					Pers			
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		ed Date, if	3.	4. Securities And of Configuration (Instr. 3, 4 and Amount	Acquii D)	_	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	12/14/2010			J <u>(1)</u>	1,000,000	A	\$ 17.1007	1,435,300	I	by Kronos
Common Stock, \$.01 par value	12/15/2010			J <u>(3)</u>	776,503	A	\$ 17.0396	2,211,803	I	by Kronos
Common Stock, \$.01 par value	12/16/2010			J <u>(4)</u>	223,497	A	\$ 17.0333	2,435,300	I	by Kronos

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Common Stock, \$.01 par value	44,878,081	I	by VHC
Common Stock, \$.01 par value	21,825,875	I	by Spouse
Common Stock, \$.01 par value	5,628,787	D	
Common Stock, \$.01 par value	882,568	I	by NL <u>(7)</u>
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 (10)

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02) required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)		4. Transactio	5. orNumber	6. Date Exercisable and Expiration Date	7. Title and Amount of	8. Price of Derivative	9. Nu Deriv
Security	or Exercise		any	Code	of	(Month/Day/Year)	Underlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e	Securities	(Instr. 5)	Bene
	Derivative				Securities	S	(Instr. 3 and 4)		Own
	Security				Acquired				Follo
					(A) or				Repo
					Disposed				Trans
					of (D)				(Instr
					(Instr. 3,				
					4, and 5)				

Date Expiration Exercisable Date Code V (A) (D) Exercisable Date Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address	Relationships						
Reporting Owner Name / Address	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

A. Andrew R. Louis, Attorney-in-fact, for Harold C. Simmons					
**Signature of Reporting Person	Date				
A. Andrew R. Louis, Secretary, for Contran Corporation	12/16/2010				
**Signature of Reporting Person	Date				
A. Andrew R. Louis, Secretary, for Valhi Holding Company	12/16/2010				
**Signature of Reporting Person	Date				
A. Andrew R. Louis, Secretary, for Dixie Rice Agricultural Corporation, Inc.	12/16/2010				
**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).
- 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. This purchase is being reported on an average price basis due to the large number of trades. The price per share range for such trades was \$17.0175 to \$17.15.
- (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.
- 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. This purchase is being reported on an average price basis due to the large number of trades. The price per share range for such trades was \$16.98 to \$17.05.

Reporting Owners 3

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- 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. This purchase is being reported on an average price basis due to the large number of trades. The price per share range for such trades was \$17.00 to \$17.05.
- (5) 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.
- (7) 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.
- (8) 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.
- (9) 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.
- (10) 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.