SIMMONS HAROLD C

Form 4

September 20, 2011

FORM 4

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

OMB

Check this box if no longer subject to

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

3235-0287 Number: January 31, Expires:

2005

OMB APPROVAL

Section 16. Form 4 or Form 5

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Estimated average burden hours per response... 0.5

5. Relationship of Reporting Person(s) to

Issuer

obligations may continue. See Instruction

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

Symbol

1(b).

Stock, \$.01

(Print or Type Responses)

SIMMONS HAROLD C

1. Name and Address of Reporting Person *

			TITANIUM METALS CORP [TIE]				[TIE]	(Check all applicable)				
(Last) (First) (Middle) 5430 LBJ FREEWAY, SUITE 1700			3. Date of Earliest Transaction (Month/Day/Year) 09/20/2011						_X_ Director _X_ 10% Owner _X_ Officer (give title Other (specify below) Chairman of the Board			
				If Amendment, Date Original led(Month/Day/Year)					6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned											
1.Title of Security (Instr. 3)	2. Transaction Da (Month/Day/Year	Execution any	med on Date, if Day/Year)	3. Transac Code (Instr. 8	tio	4. Securit r(A) or Dis (Instr. 3, 4	sposed	of (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	09/20/2011			P <u>(1)</u>		5,000	A	\$ 15.92	21,840,875	Ι	by Spouse	
Common Stock, \$.01 par value	09/20/2011			P <u>(1)</u>		10,000	A	\$ 15.94	21,850,875	I	by Spouse	
Common Stock, \$.01 par value	09/20/2011			P <u>(1)</u>		6,000	A	\$ 16.07	21,856,875	I	by Spouse	
Common									41,878,081	I	by VHC	

(3)

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par value			
Common Stock, \$.01 par value	5,629,787	D	
Common Stock, \$.01 par value	4,245,769	I	By Kronos (4)
Common Stock, \$.01 par value	3,447,355	I	By Contran (5)
Common Stock, \$.01 par value	882,568	I	By NL (6)
Common Stock, \$.01 par value	826,959	I	By Valhi
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)

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. Transact Code (Instr. 8	5. ionNumber of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	5	ate	7. Title Amou Under Securi (Instr.	nt of lying	8. Price of Derivative Security (Instr. 5)
				Code V	7 (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

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

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

SIMMONS HAROLD C

5430 LBJ FREEWAY, SUITE 1700 X X Chairman of the Board

DALLAS, TX 75240

Signatures

Robert D. Graham, Attorney-in-fact for Harold C. Simmons 09/20/2011

**Signature of Reporting Person Date

Robert D. Graham, Vice President for Contran Corporation 09/20/2011

**Signature of Reporting Person Date

Robert D. Graham, Vice President for Valhi Holding Company 09/20/2011

**Signature of Reporting Person Date

Robert D. Graham, Vice President for Dixie Rice Agricultural
Corporation, Inc.

09/20/2011

**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 the reporting person's spouse.
- (2) Directly held by the reporting person's spouse. The reporting person disclaims beneficial ownership of any shares of the issuer's common stock that his spouse holds.
- (3) Directly held by Valhi Holding Company. See the Additional Information filed as Exhibit 99.2 to this statement for a description of the relationship to the persons joining in this filing.
- (4) Directly held by Kronos Worldwide, Inc. See the Additional Information filed as Exhibit 99.2 to this statement for a description of the relationship to the persons joining in this filing.
- (5) Directly held by Contran Corporation. See the Additional Information filed as Exhibit 99.2 to this statement for a description of the relationship to the persons joining in this filing.
- (6) Directly held by NL Industries, Inc. See the Additional Information filed as Exhibit 99.2 to this statement for a description of the relationship to the persons joining in this filing.
- (7) Directly held by Valhi, Inc. See the Additional Information filed as Exhibit 99.2 to this statement for a description of the relationship to the persons joining in this filing.
- (8) Directly held by NL Environmental Management Services, Inc. See the Additional Information filed as Exhibit 99.2 to this statement for a description of the relationship 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.

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