### SIMMONS HAROLD C

Form 5

February 10, 2010

Reported

value

Common 10/14/2009

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FORM 5

#### **OMB** UNITED STATES SECURITIES AND EXCHANGE COMMISSION 3235-0362 Number: Washington, D.C. 20549 Check this box if January 31, Expires: no longer subject 2005 to Section 16. Estimated average ANNUAL STATEMENT OF CHANGES IN BENEFICIAL Form 4 or Form burden hours per 5 obligations **OWNERSHIP OF SECURITIES** response... 1.0 may continue. See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940 Form 4 Transactions

·										
1. Name and Address of Reporting Person * SIMMONS HAROLD C			2. Issuer Name <b>and</b> Ticker or Trading Symbol TITANIUM METALS CORP [TIE]				5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First)	(Mo	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2009				(Check all applicable)  _X_ DirectorX_ 10% Owner _X_ Officer (give title Other (specify			
5430 LBJ	FREEWAY, SUI	TE 1700					below) Chai	below) rman of the B	oard	
(Street)			4. If Amendment, Date Original Filed(Month/Day/Year)				6. Individual or Joint/Group Reporting  (check applicable line)			
DALLAS,	TX 75240 (State)	(Zip)	Table I - Non-D	erivative Se	curitie		_X_ Form Filed by Person		e Reporting	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, any (Month/Day/Yea	3. If Transaction Code	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)  (A) or		iired	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	Securities Ownership Beneficial Beneficially Form: Ownership Owned at end Direct (D) (Instr. 4) of Issuer's or Indirect Fiscal Year (I) (Instr. 3 and (Instr. 4)		
Common Stock, \$.01 par value	06/01/2009	Â	J <u>(1)</u>	250,000		\$ <u>(1)</u>	21,575,875	I	by Spouse (2)	
Common Stock, \$.01 par	07/23/2009	Â	J <u>(3)</u>	125,000	D	\$ <u>(3)</u>	47,195,276	I	by VHC (4)	

485,437 D

\$ (5) 7,421,787

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Reminder: Report on a separate line for each class of			Persons who respond to the collection of information						SEC 2270	
,	Common Stock, \$.01 par value	Â	Â	Â	Â	Â	Â	15,432	I	by Grandchildren's Trust (11)
,	Common Stock, \$.01 par value	Â	Â	Â	Â	Â	Â	566,529	I	by NL EMS (10)
;	Common Stock, \$.01 par value	Â	Â	Â	Â	Â	Â	882,568	I	by NL (9)
,	Common Stock, \$.01 par value	Â	Â	Â	Â	Â	Â	826,959	I	by Valhi (8)
	Common Stock, \$.01 par value	12/04/2009	Â	<u>J(6)</u>	375,000	D	\$ <u>(6)</u>	0	I	by Contran (7)
	Stock, \$.01 par value									

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

contained in this form are not required to respond unless

the form displays a currently valid OMB control number.

securities beneficially owned directly or indirectly.

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	/. Tit	le and	8. Price of	9.
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	Number	Expiration D	ate	Amou	ınt of	Derivative	of
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Unde	rlying	Security	D
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Secur	rities	(Instr. 5)	Se
	Derivative				Securities			(Instr	. 3 and 4)		В
	Security				Acquired						О
					(A) or						Eı
					Disposed						Is
					of (D)						Fi
					(Instr. 3,						(I:
					4, and 5)						
									Amount		
						Date	Expiration		or		
						Exercisable	Date	Title	Number		
						Lacroisdoic	Dute		of		
					(A) (D)				Shares		

(9-02)

# **Reporting Owners**

Reporting Owner Name / Address	Relationships									
<b></b>	Director 10% Owner		Officer		Other					
SIMMONS HAROLD C 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240	ÂX	ÂX	Chairman o	f the Board	Â					
CONTRAN CORP 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240	Â	ÂX	Â		Â					
VALHI HOLDING CO 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240	Â	ÂX	Â		Â					
DIXIE RICE AGRICULTURE CORP INC 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240	Â	ÂX	Â		Â					
Simmons Annette C 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240	Â	ÂX	Â		Â					
Signatures										
A. Andrew R. Louis, Attorney-in-fact, for Ha	02/10/2010	)								
**Signature of Reporting Pe	Date									
A. Andrew R. Louis, Secretary, for Contran	02/10/2010	)								
**Signature of Reporting Pe		Date								
A. Andrew R. Louis, Secretary, for Valhi Ho	02/10/2010	)								
**Signature of Reporting Pe		Date								
A. Andrew R. Louis, Secretary, for Dixie Ric Corporation, Inc.	02/10/2010	)								
**Signature of Reporting Pe		Date								
A. Andrew R. Louis, Attorney-in-fact, for A	02/10/2010	)								
**Signature of Reporting Pe		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) Charitable gift by Annette C. Simmons. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship among the persons joining in this filing.
- (2) Directly held by Annette C. Simmons. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship among the persons joining in this filing.
- (3) Charitable gift by Valhi Holding Company. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship among the persons joining in this filing.
- (4) Directly held by Valhi Holding Company. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship among the persons joining in this filing.

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- (5) Charitable gift by Harold C. Simmons. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship among the persons joining in this filing.
- (6) Charitable gift by Contran Corporation. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship among 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 relationship among 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 relationship to the persons joining in this filing.
- (9) Directly held by NL Industries, Inc. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship 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 relationship to the persons joining in this filing.
- (11) Directly held by The Annette Simmons Grandchildren's Trust. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship to the persons joining in this filing.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.