SIMMONS I Form 4	HAROLD C										
March 14, 20)11										
FORM	14	гр статес	SECUE	ITIES A	ND EV		NCEC	OMMISSION		PROVAL	
	UNIII	ED STATES		shington,			NGE U	UMM1551UN	OMB Number:	3235-0287	
Check th if no long subject to Section 1 Form 4 o Form 5 obligation may cont <i>See</i> Instru	 F CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES Section 16(a) of the Securities Exchange Act of 1934, Public Utility Holding Company Act of 1935 or Section of the Investment Company Act of 1940 						January 31, Expires: 2005 Estimated average burden hours per response 0.5				
1(b).											
(Print or Type I	Responses)										
	ddress of Repor	ting Person <u>*</u>	Symbol	Name and			-	5. Relationship of Issuer	Reporting Pers	son(s) to	
(Last)	(First)	(Middle)		TITANIUM METALS CORP [TIE] 3. Date of Earliest Transaction			(Check all applicable)				
			(Month/D 03/11/2	nth/Day/Year) 11/2011				X DirectorX 10% Owner X Officer (give title Other (specify below) Chairman of the Board			
DALLAS, 7	(Street)			ndment, Da hth/Day/Year)	-	1		6. Individual or Jo Applicable Line) Form filed by C X Form filed by M	One Reporting Per	son	
(City)	(State)	(Zip)	Tabl	o I Non D	animatina	Same	iting A age	Person	f on Donoficial	ly Owned	
1.Title of Security (Instr. 3)		Date 2A. Deer ear) Executio any		3. Transactio Code (Instr. 8)	4. Securi n(A) or Di (Instr. 3,	ties Ad spose 4 and (A) or	cquired d of (D) 5)	uired, Disposed 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	
Common Stock, \$.01 par value	03/11/2011			Code V $J(\underline{1})$	Amount 5,000	(D) A	Price \$ 17.19	3,272,857	Ι	by Kronos (2)	
Common Stock, \$.01 par value	03/11/2011			J <u>(1)</u>	200	A	\$ 17.2	3,273,057	I	by Kronos (2)	
Common Stock, \$.01 par value	03/11/2011			J <u>(1)</u>	300	A	\$ 17.21	3,273,357	Ι	by Kronos	
Common Stock, \$.01	03/11/2011			J <u>(1)</u>	200	А	\$ 17.22	3,273,557	Ι	by Kronos	

par value

Common Stock, \$.01 par value	03/11/2011	J <u>(1)</u>	400	А	\$ 17.24	3,273,957	Ι	by Kronos
Common Stock, \$.01 par value	03/11/2011	J <u>(1)</u>	1,400	А	\$ 17.25	3,275,357	I	by Kronos
Common Stock, \$.01 par value						41,878,081	Ι	by VHC (3)
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						3,557,355	Ι	by Contran <u>(5)</u>
Common Stock, \$.01 par value						882,568	I	by NL <u>(6)</u>
Common Stock, \$.01 par value						826,959	I	by Valhi
Common Stock, \$.01 par value						566,529	I	by NL EMS <u>(8)</u>

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.

 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 Exercisable and	7. Title and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	onNumber	Expiration Date	Amount of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/Year)	Underlying	Security	Secu
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e	Securities	(Instr. 5)	Bene
	Derivative				Securities	3	(Instr. 3 and 4)		Owne
	Security				Acquired				Follo
					(A) or				Repo
					Disposed				Trans
					of (D)				(Instr

(Instr. 3, 4, and 5)				
Code V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Date

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
SIMMONS HAROLD C 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240	X	Х	Chairman of the Board			
CONTRAN CORP 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240		Х				
VALHI HOLDING CO 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240		Х				
DIXIE RICE AGRICULTURE CORP INC 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240		Х				
Signatures						
A. Andrew R. Louis, Attorney-in-fact, for H	larold C. S	Simmons	03/14/20	011		
<u>**</u> Signature of Reporting Po		Date				
A. Andrew R. Louis, Secretary, for Contran	Corporati	on	03/14/20	011		
<u>**</u> Signature of Reporting Pe	Date					
A. Andrew R. Louis, Secretary, for Valhi H	mpany	03/14/20	011			
<u>**</u> Signature of Reporting Pe		Date				
A. Andrew R. Louis, Secretary, for Dixie R Corporation, Inc.	ice Agricu	ltural	03/14/20	011		

**Signature of Reporting Person

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 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.
- (6) 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.
- (7) 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.
- (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.