

SIMMONS HAROLD C  
 Form 4  
 July 12, 2011

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2015  
 Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 SIMMONS HAROLD C

2. Issuer Name and Ticker or Trading Symbol  
 TITANIUM METALS CORP [TIE]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
 5430 LBJ FREEWAY, SUITE 1700

3. Date of Earliest Transaction (Month/Day/Year)  
 07/12/2011

Director  10% Owner  
 Officer (give title below)  Other (specify below)

Chairman of the Board

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

DALLAS, TX 75240

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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 Ownership (Instr. 4)			
				(A) or (D)	Price					
Common Stock, \$.01 par value	07/12/2011		P(1)	V	49,525	A	\$ 17.67	0	I	by Ti Pro (2)
Common Stock, \$.01 par value								41,878,081	I	by VHC (3)
Common Stock, \$.01 par value								21,825,875	I	by Spouse (4)
Common Stock, \$.01								5,629,787	D	

par value				
Common Stock, \$.01 par value	4,245,769	I		By Kronos <u>(5)</u>
Common Stock, \$.01 par value	3,447,355	I		By Contran <u>(6)</u>
Common Stock, \$.01 par value	882,568	I		By NL <u>(7)</u>
Common Stock, \$.01 par value	826,959	I		By Valhi <u>(8)</u>
Common Stock, \$.01 par value	566,529	I		By NL EMS <u>(9)</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.**

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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned (Instr. 6)
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
	X	X	Chairman of the Board	

SIMMONS HAROLD C  
5430 LBJ FREEWAY, SUITE 1700  
DALLAS, TX 75240

## Signatures

A. Andrew R. Louis, Attorney-in-fact for Harold C. Simmons	07/12/2011
<u>        </u> **Signature of Reporting Person	Date
A. Andrew R. Louis, Secretary for Contran Corporation	07/12/2011
<u>        </u> **Signature of Reporting Person	Date
A. Andrew R. Louis, Secretary for Valhi Holding Company	07/12/2011
<u>        </u> **Signature of Reporting Person	Date
A. Andrew R. Louis, Secretary for Dixie Rice Agricultural Corporation, Inc.	07/12/2011
<u>        </u> **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) Purchase by TiPro, LLC. 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. See the Description of the Transaction filed as Exhibit 99.1 to this statement for a description of why this is a voluntary filing.
  - (2) Beneficially owned by TiPro, LLC as described in Exhibit 99.1 to this statement. 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.
  - (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 the reporting person's spouse. Mr. Simmons disclaims beneficial ownership of any shares of the issuer's common stock that his spouse holds.
  - (5) 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.
  - (6) 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.
  - (7) 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.
  - (8) 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.
  - (9) 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 99.1 Description of the Transaction

Exhibit 99.2 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.