

TITANIUM METALS CORP
 Form 4
 April 29, 2005

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 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

(Last) (First) (Middle)

5430 LBJ FREEWAY, SUITE 1700

(Street)

DALLAS, TX 75240

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol

TITANIUM METALS CORP [TIE]

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

04/29/2005

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

Vice Chairman of the Board

6. Individual or Joint/Group Filing (Check Applicable Line)

Form filed by One Reporting Person
 Form filed by More than One Reporting Person

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 Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock, \$.01 par value	04/29/2005		P	1,100	A \$ 32.73	101,100	D
Common Stock, \$.01 par value	04/29/2005		P	600	A \$ 32.77	101,700	D
Common Stock, \$.01 par value	04/29/2005		P	1,500	A \$ 32.78	103,200	D
Common Stock, \$.01	04/29/2005		P	900	A \$ 32.8	104,100	D

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par value								
Common Stock, \$.01 par value	04/29/2005	P	400	A	\$ 32.81	104,500	D	
Common Stock, \$.01 par value	04/29/2005	P	1,500	A	\$ 32.82	106,000	D	
Common Stock, \$.01 par value	04/29/2005	P	200	A	\$ 32.83	106,200	D	
Common Stock, \$.01 par value	04/29/2005	P	4,000	A	\$ 32.84	110,200	D	
Common Stock, \$.01 par value	04/29/2005	P	1,600	A	\$ 32.85	111,800	D	
Common Stock, \$.01 par value	04/29/2005	P	2,000	A	\$ 32.87	113,800	D	
Common Stock, \$.01 par value	04/29/2005	P	2,900	A	\$ 32.88	116,700	D	
Common Stock, \$.01 par value	04/29/2005	P	100	A	\$ 32.89	116,800	D	
Common Stock, \$.01 par value	04/29/2005	P	6,500	A	\$ 32.9	123,300	D	
Common Stock, \$.01 par value	04/29/2005	P	400	A	\$ 32.95	123,700	D	
Common Stock, \$.01 par value	04/29/2005	P	2,000	A	\$ 33	125,700	D	
Common Stock, \$.01 par value						6,309,250	I	by Tremont <u>(1)</u>
Common Stock, \$.01 par value						690,000	I	by Valhi <u>(2)</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

SEC 1474 (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 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 Owned Following Transaction (Instr. 5)
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Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SIMMONS HAROLD C 5430 LBJ FREEWAY SUITE 1700 DALLAS, TX 75240	X	X	Vice Chairman of the Board	

Signatures

A. Andrew R. Louis, Attorney-in-fact, for Harold C. Simmons
 Date: 04/29/2005

**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) Directly held by Tremont LLC. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship.
- (2) Directly held by Valhi, Inc. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship.

Remarks:

Exhibit Index
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.