TITANIUM METALS CORP

Form 4

September 12, 2006

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Symbol

OMB APPROVAL

OMB Number: 3235-0287

Expires: January 31, 2005

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5. Relationship of Reporting Person(s) to

Issuer

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 5
obligations
may continue.
See Instruction

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

2. Issuer Name and Ticker or Trading

TITANIUM METALS CORP [TIE]

1(b).

(Print or Type Responses)

SIMMONS HAROLD C

1. Name and Address of Reporting Person *

			IIIANI	.CIVI IVIL: I	ALSCO	ן ואני	1112]	(Check all applicable)			
(Last) (First) (Middle) THREE LINCOLN CENTRE, 5430 LBJ FREEWAY STE 1700			3. Date of Earliest Transaction (Month/Day/Year) 09/12/2006				_X_ Director _X_ 10% Owner _X_ Officer (give title Other (specify below) Chairman of the Board & CEO				
			mendment, Date Original Month/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) Form filed by One Reporting Person _X_ Form filed by More than One Reporting Person				
DALLAS, TX 75240-2697											
(City)	(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)	Execution any	emed on Date, if Day/Year)	3. Transactic Code (Instr. 8)	4. Securit on(A) or Dis (D) (Instr. 3, 4	sposed	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 Indirect Beneficial Ownership (Instr. 4)	
Common Stock, \$.01 par value	09/11/2006			P	50,000	A	\$ 25	4,692,900	D		
Common Stock, \$.01 par value								50,474,000	I	by Tremont (1)	
Common Stock, \$.01 par value								6,127,000	I	by Valhi	
Common Stock, \$.01								128,600	I	by Spouse (3)	

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par value

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474

(9-02)

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

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)	4. Transactic Code (Instr. 8)	5. DriNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Titl Amou Under Secur (Instr.	int of lying	8. Price o Derivativ Security (Instr. 5)
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
SIMMONS HAROLD C THREE LINCOLN CENTRE 5430 LBJ FREEWAY STE 1700 DALLAS, TX 75240-2697	X	X	Chairman of the Board & CEO					
Simmons Annette C 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240								
Signatures								
A. Andrew R. Louis, Attorney-in-fact, Simmons	for Harold C.	09/12/2006						
**Signature of Reporting Person	Date							
A. Andrew R. Louis, Attorney-in-fact, Simmons	09/12/2006							
**Signature of Reporting Person	on		Date					

Reporting Owners 2

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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 among the persons joining in this filing.
- (2) Directly held by Valhi, Inc. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship among the persons joining in this filing.
- Directly held by Harold C. Simmons' spouse, Annette C. Simmons. Mr. Simmons disclaims beneficial ownership of any shares of the issuer's common stock that his spouse holds. Ms. Simmons disclaims beneficial ownership of any shares of the issuer's common stock that she does not hold directly. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationships among the persons joining in this filing.

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.