

SIMMONS HAROLD C
Form 4
December 22, 2006

FORM 4

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

OMB APPROVAL

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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)

THREE LINCOLN CENTRE, 5430
LBJ FREEWAY STE 1700

(Street)

DALLAS, TX 75240-2697

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol

TITANIUM METALS CORP [TIE]

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

12/22/2006

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)

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)
			Code	V	Amount or Price		
Common Stock, \$.01 par value	12/22/2006		P		300 A \$ 28.95	5,013,200	D
Common Stock, \$.01 par value	12/22/2006		P		1,000 A \$ 28.96	5,014,200	D
Common Stock, \$.01 par value	12/22/2006		P		4,000 A \$ 28.97	5,018,200	D
Common Stock, \$.01	12/22/2006		P		2,800 A \$ 28.98	5,021,000	D

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Common Stock, \$.01 par value	12/22/2006	P	5,100	A	\$ 28.99	5,026,100	D	
Common Stock, \$.01 par value	12/22/2006	P	22,600	A	\$ 29	5,048,700	D	
Common Stock, \$.01 par value	12/22/2006	P	9,200	A	\$ 29.01	5,057,900	D	
Common Stock, \$.01 par value	12/22/2006	P	2,800	A	\$ 29.02	5,060,700	D	
Common Stock, \$.01 par value	12/22/2006	P	1,900	A	\$ 29.03	5,062,600	D	
Common Stock, \$.01 par value	12/22/2006	P	100	A	\$ 29.04	5,062,700	D	
Common Stock, \$.01 par value	12/22/2006	P	200	A	\$ 29.05	5,062,900	D	
Common Stock, \$.01 par value						50,474,000	I	by Tremont ⁽¹⁾
Common Stock, \$.01 par value						6,127,000	I	by Valhi ⁽²⁾
Common Stock, \$.01 par value						128,600	I	by Spouse ⁽³⁾

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

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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	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	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
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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.