

TITANIUM METALS CORP
 Form 4
 December 19, 2007

FORM 4

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

OMB APPROVAL

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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 Annette 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)
 12/17/2007

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 ___ Form filed by One Reporting Person
 ___X___ 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 Indirect Beneficial Ownership (Instr. 4)
Common Stock, \$.01 par value	12/17/2007		C	V	20,824,200	A	(1)
Common Stock, \$.01 par value					73,664,335	I	by Spouse (2)
Common Stock, \$.01 par value					17,432	I	by Trust (3)

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

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(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)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares
6-3/4% Series A Conv Pref Stock, par value \$0.01	(1)	12/17/2007		C	1,561,815	(1) (4)	Common Stock, \$0.01 par value 20,824,200

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Simmons Annette C 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240		X		
SIMMONS HAROLD C THREE LINCOLN CENTRE 5430 LBJ FREEWAY STE 1700 DALLAS, TX 75240-2697		X		

Signatures

A. Andrew R. Louis, Attorney-in-fact, for Annette C. Simmons
12/19/2007
**Signature of Reporting Person Date

A. Andrew R. Louis, Attorney-in-fact, for Harold C. Simmons
12/19/2007
**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) The 6-3/4% series A convertible preferred stock, par value \$0.01 per share ("Series A Preferred Stock"), of the issuer is convertible into shares of the issuer's common stock at any time at the rate of thirteen and one-third shares of the issuer's common stock for each share of the Series A preferred Stock. Accordingly, on December 17, 2007, the reporting person converted 1,561,815 shares of Series A Preferred Stock into 20,824,200 shares of the issuer's common stock.

(2) Directly or indirectly owned by Mr. Harold C. Simmons, the reporting person's spouse. The reporting person disclaims beneficial ownership of all of these securities. See the Additional Information filed as Exhibit 99 to this statement for a description of how these securities are held.

(3) Directly held by The Annette Simmons Grandchildren's Trust. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship among the persons joining in this filing.

(4) No expiration date.

Remarks:

See the Additional Information attached as Exhibit 99 to this filing for a description of the relationship among the issuer and the reporting persons.

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.

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