

TITANIUM METALS CORP
 Form 4
 July 19, 2005

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 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)

07/15/2005

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)
 ___X___ 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)	(A) or (D)	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)
Common Stock, \$.01 par value	07/15/2005		P	2,500	A	\$ 51.15 2,500	D	
Common Stock, \$.01 par value	07/15/2005		P	2,500	A	\$ 51.4 5,000	D	
Common Stock, \$.01 par value	07/15/2005		P	3,750	A	\$ 52.5 8,750	D	
Common Stock, \$.01 par value	07/15/2005		P	2,500	A	\$ 53 11,250	D	

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Common Stock, \$.01 par value	07/15/2005	P	7,550	A	\$ 53.5	18,800	D
Common Stock, \$.01 par value	07/15/2005	P	2,400	A	\$ 53.6	21,200	D
Common Stock, \$.01 par value	07/15/2005	P	400	A	\$ 53.61	21,600	D
Common Stock, \$.01 par value	07/15/2005	P	50	A	\$ 53.73	21,650	D
Common Stock, \$.01 par value	07/15/2005	P	7,100	A	\$ 53.75	28,750	D
Common Stock, \$.01 par value	07/15/2005	P	12,500	A	\$ 54	41,250	D
Common Stock, \$.01 par value	07/15/2005	P	350	A	\$ 54.24	41,600	D
Common Stock, \$.01 par value	07/15/2005	P	500	A	\$ 54.25	42,100	D
Common Stock, \$.01 par value	07/15/2005	P	50	A	\$ 54.47	42,150	D
Common Stock, \$.01 par value	07/15/2005	P	5,000	A	\$ 54.5	47,150	D
Common Stock, \$.01 par value	07/15/2005	P	1,600	A	\$ 54.75	48,750	D
Common Stock, \$.01 par value	07/15/2005	P	50	A	\$ 54.89	48,800	D
Common Stock, \$.01 par value	07/15/2005	P	2,800	A	\$ 54.9	51,600	D
Common Stock, \$.01 par value	07/15/2005	P	200	A	\$ 54.97	51,800	D
Common Stock, \$.01	07/15/2005	P	6,950	A	\$ 55	58,750	D

par value

Common Stock, \$.01 07/15/2005 P 2,500 A \$ 55.4 61,250 D
par value

Common Stock, \$.01 07/15/2005 P 2,500 A \$ 55.5 63,750 D
par value

Common Stock, \$.01 07/15/2005 P 1,250 A \$ 55.7 65,000 D
par value

Common Stock, \$.01 23,800 I by Trust
par value (1)

Common Stock, \$.01 6,999,250 I by Spouse
par value (2)

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.

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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)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned (Instr. 6)
				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

X

Simmons Annette C
5430 LBJ FREEWAY
SUITE 1700
DALLAS, TX 75240

Signatures

A. Andrew R. Louis, Attorney-in-fact, for Annette C.
Simmons

07/19/2005

__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 a trust, of which the reporting person and her spouse are the trustees and the beneficiaries are the grandchildren of the reporting person. The reporting person and her spouse each disclaim beneficial ownership of any shares of the issuers' common stock held by the trust. See the Additional Purchase Information filed as Exhibit 99.2 to this statement for additional information regarding trades in the issuer's common stock by the reporting person's spouse on July 15, 2005.

(2) Directly or indirectly beneficially owned by Harold C. Simmons, the reporting person's spouse. The reporting person disclaims beneficial ownership of all of these securities. See Additional Ownership Information filed as Exhibit 99.1 to this statement for a description of how these securities are held.

Remarks:

Exhibit Index

99.1 Additional Ownership Information

99.2 Additional Purchase 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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