

TITANIUM METALS CORP
 Form 4
 July 18, 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

2. Issuer Name and Ticker or Trading Symbol
 TITANIUM METALS CORP [TIE]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 5430 LBJ FREEWAY, SUITE 1700,
 (Street)

3. Date of Earliest Transaction
 (Month/Day/Year)
 07/18/2007

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

DALLAS, TX 75240

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 ____ Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(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) | 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 | (A) or (D) | Price |
| Common Stock, \$.01 par value | 07/18/2007 | | P | | 900 | A | \$ 32.97 |
| Common Stock, \$.01 par value | 07/18/2007 | | P | | 700 | A | \$ 32.99 |
| Common Stock, \$.01 par value | 07/18/2007 | | P | | 5,300 | A | \$ 33 |
| Common Stock, \$.01 par value | 07/18/2007 | | P | | 200 | A | \$ 32.98 |

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| | | | | | | | | |
|-------------------------------|------------|---|--------|---|----------|------------|---|-------------------------|
| Common Stock, \$.01 par value | 07/18/2007 | P | 1,500 | A | \$ 33.19 | 185,875 | D | |
| Common Stock, \$.01 par value | 07/18/2007 | P | 1,700 | A | \$ 33.2 | 187,575 | D | |
| Common Stock, \$.01 par value | 07/18/2007 | P | 600 | A | \$ 33.21 | 188,175 | D | |
| Common Stock, \$.01 par value | 07/18/2007 | P | 500 | A | \$ 33.22 | 188,675 | D | |
| Common Stock, \$.01 par value | 07/18/2007 | P | 500 | A | \$ 33.23 | 189,175 | D | |
| Common Stock, \$.01 par value | 07/18/2007 | P | 600 | A | \$ 33.24 | 189,775 | D | |
| Common Stock, \$.01 par value | 07/18/2007 | P | 12,500 | A | \$ 33.25 | 202,275 | D | |
| Common Stock, \$.01 par value | | | | | | 57,739,056 | I | by Spouse <u>(1)</u> |
| Common Stock, \$.01 par value | | | | | | 17,432 | I | by Trust <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 required to respond unless the form displays a currently valid OMB control number.

SEC 1474
(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 Following Reported Transaction (Instr. 6) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|

| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
|----------------|---------------------|--------------------|-------|--|
| Code V (A) (D) | | | | |

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 | X | Chairman of the Board | |

Signatures

J. Mark Hollingsworth, Attorney-in-fact, for Annette C. Simmons 07/18/2007

__Signature of Reporting Person Date

J. Mark Hollingsworth, Attorney-in-fact, for Harold C. Simmons 07/18/2007

__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).
- Directly or indirectly owned by Mr. Harold C. Simmons, the reporting person's spouse. The reporting person disclaims beneficial
- (1) ownership of all of these securities. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationships among the persons joining in this filing.
- (2) 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 relationships among the persons joining in this filing.

Remarks:

See the Additional Information attached as Exhibit 99 to this filing for a description of the relationships 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. 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.