

Simmons Annette C
 Form 5
 February 10, 2006

FORM 5

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

OMB APPROVAL

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 Form 3 Holdings Reported Form 4 Transactions Reported

ANNUAL 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

1. Name and Address of Reporting Person *
Simmons Annette C

 (Last) (First) (Middle)

5430 LBJ FREEWAY, SUITE 1700
 (Street)

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

 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)
12/31/2005

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 _____ Director 10% Owner
 _____ Officer (give title below) _____ Other (specify below)

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

6. Individual or Joint/Group Reporting
 (check applicable line)

DALLAS, TX 75240

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 at end of Issuer's Fiscal Year (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|--|--|--|
| Common Stock, \$.01 par value | 12/19/2005 | ^ | G | 16,000 D \$0 | 114,000 | D | ^ |
| Common Stock, \$.01 par value | ^ | ^ | ^ | ^ ^ ^ ^ | 14,701,500 | I | by Spouse (1) |

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

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