

Simmons Annette C  
 Form 5  
 February 10, 2006

**FORM 5**

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

OMB APPROVAL

OMB Number: 3235-0362  
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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).  
 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

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)		
				(A) or (D)	Amount	Price			
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.

**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 2270 (9-02)

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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 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. of D S B O E Is Fi (I
					(A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares		

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Simmons Annette C 5430 LBJ FREEWAY, SUITE 1700 DALLAS, TX 75240	^	^ X	^	^

## Signatures

A. Andrew R. Louis, Attorney-in-fact, for Annette C. Simmons 02/01/2006

\*\*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 held by the reporting person's spouse. The reporting person disclaims beneficial ownership of any shares of the issuer's common (1) stock that her spouse holds. See the Additional Information filed as Exhibit 99 to this statement for a description of how the reporting person's spouse holds these shares.
- Note: File three copies of this Form, one of which must be manually signed. If space provided 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.