

TITANIUM METALS CORP
 Form 4
 September 14, 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 GLENN R

(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)
09/12/2005

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 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 Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock, \$.01 par value	09/12/2005		M	5,000 A	\$ 14.21	6,000	D
Common Stock, \$.01 par value	09/12/2005		M	5,000 A	\$ 3.86	11,000	D

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

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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 Security (Instr. 3 and 4)	Amount or Number of Shares
Non-Qualified Stock Option (right to buy)	\$ 14.21	09/12/2005		M	5,000	05/22/2002 05/22/2011	Common Stock, \$.01 par value	5,000
Non-Qualified Stock Option (right to buy)	\$ 3.86	09/12/2005		M	5,000	05/07/2003 02/07/2012	Common Stock, \$.01 par value	5,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SIMMONS GLENN R 5430 LBJ FREEWAY SUITE 1700 DALLAS, TX 75240	X			

Signatures

Glenn R. Simmons 09/14/2005

**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).

Remarks:

All share amounts and exercise prices have been adjusted to reflect the two-for-one stock split in the form of a stock dividend declared by the issuer's board of directors and paid as of the close of business on September 6, 2005 to holders of record as of the close of business on August 25, 2005.

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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