#### MINERALS TECHNOLOGIES INC

Form 4

March 14, 2005

### FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**OMB** Number:

Expires:

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January 31, 2005

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Check this box

**SECURITIES** obligations may continue.

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(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person \* 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **KELM GREGORY** Issuer Symbol MINERALS TECHNOLOGIES INC (Check all applicable) [MTX] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner Other (specify X\_ Officer (give title \_ (Month/Day/Year) below) MINERALS TECHNOLOGIES 03/11/2005 **TREASURER** INC., 405 LEXINGTON AVENUE (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) \_X\_ Form filed by One Reporting Person Form filed by More than One Reporting NEW YORK, NY 10174 Person

(City)	(State) (2	Table	I - Non-Do	erivative S	Securi	ities Acquire	ed, Disposed of, o	or Beneficially	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securities Acord Disposed of (Instr. 3, 4 and 5)  (A)  or  Amount (D)		(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 Indirect Beneficial Ownership (Instr. 4)
COMMON STOCK	03/11/2005	03/11/2005	M	Amount 3,300	A	\$ 39.5313	3,500	D	
COMMON STOCK	03/11/2005	03/11/2005	S	3,000	D	\$ 62.87	500	D	
COMMON STOCK							1,596 <u>(1)</u>	I	By 401(K)

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	2.	3. Transaction Date				6. Date Exercisable and		7. Title and Amount of	
Derivative Security	Conversion or Exercise	(Month/Day/Year)	Execution Date, if any	Transaction Derivative Code Securities		Expiration Date (Month/Day/Year)		Underlying Securities (Instr. 3 and 4)	
(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)				
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
EMPLOYEE STOCK OPTION (RIGHT TO BUY)	\$ 39.5313	03/11/2005	03/11/2005	M	3,300	(2)	(2)	COMMON STOCK	3,300

## **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

KELM GREGORY

MINERALS TECHNOLOGIES INC. 405 LEXINGTON AVENUE

**TREASURER** 

NEW YORK, NY 10174

## **Signatures**

VICTORIA LUKAUSKAS FOR GREGORY KELM

03/14/2005

\*\*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).
- (1) MR. KELM HAS 1596 SHARES OF MINERALS TECHNOLOGIES INC. STOCK UNDER THE COMPANY'S 401(K) PLAN. THE INFORMATION IN THIS REPORT IS BASED ON A PLAN STATEMENT DATED AS OF DECEMBER 31, 2004.
- (2) THE OPTION VESTED IN THREE EQUAL INSTALLMENTS BEGINNING ON JANUARY 28, 2000, 2001, AND 2002.
- (3) ONE-FOR-ONE

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.

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