

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>KELM GREGORY</u> (Last) (First) (Middle) <u>MINERALS TECHNOLOGIES INC.</u> <u>405 LEXINGTON AVENUE</u> (Street) <u>NEW YORK NY 10174</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>MINERALS TECHNOLOGIES INC [MTX</u>]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>TREASURER</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>08/30/2004</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
COMMON STOCK	08/30/2004	08/30/2004	M		365	A	\$39.5313	365	D	
COMMON STOCK	08/30/2004	08/30/2004	S		165	D	\$56.29	200	D	
COMMON STOCK	08/30/2004	08/30/2004	M		500	A	\$43.375	700	D	
COMMON STOCK	08/30/2004	08/30/2004	S		500	D	\$56.29	200	D	
COMMON STOCK	08/30/2004	06/30/2004	J ⁽³⁾		0 ⁽³⁾	A	\$0 ⁽³⁾	1,534.6964	I	401(K)

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
EMPLOYEE STOCK OPTION (RIGHT TO BUY)	\$39.5313	08/30/2004	08/30/2004	M			365	(1)	(1)	COMMON STOCK	365	(2)	9,337	D	
EMPLOYEE STOCK OPTION (RIGHT TO BUY)	\$43.375	08/30/2004	08/30/2004	M			500	(4)	(4)	COMMON STOCK	500	(2)	8,837	D	

Explanation of Responses:

- THE OPTION VESTED IN THREE EQUAL ANNUAL INSTALLMENTS BEGINNING ON JANUARY 28, 2000, 2001 AND 2002.
- ONE-FOR-ONE
- MR. KELM HAS 1534.6964 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 JUNE 30, 2004.
- THE OPTION VESTED IN THREE EQUAL ANNUAL INSTALLMENTS BEGINNING ON JANUARY 22,1999, 2000 AND 2001.

Remarks:

LINDA A. BUGGELN FOR 08/31/2004
GREGORY KELM

** Signature of Reporting Person Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.