

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

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>MINERALSTECHNOLOGIES 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) <p style="text-align: center;">Treasurer</p>
	3. Date of Earliest Transaction (Month/Day/Year) <u>02/22/2007</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year) <u>02/23/2007</u>	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	02/22/2007		M		334	A	(1)	834	D	
Common Stock	02/22/2007		F		131 ⁽²⁾	D	\$61.43	703	D	
Common Stock								1,931 ⁽³⁾	I	By 401(k) Plan

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
Deferred Restricted Stock Units ("DRSUs")	(1)	02/22/2007		M		334		(4)	(4)	Common Stock	334	(1)	3,466	D	

Explanation of Responses:

- Each DRSU is the economic equivalent of one share of Minerals Technologies Inc. common stock.
- Due to administrative error the reporting person inadvertently reported on February 28, 2007 the withholding of 123 shares to satisfy tax withholding obligations incident to the vesting of the 334 DRSUs, when in fact 131 shares were withheld to satisfy such withholding obligations.
- Mr. Kelm has 1,931 shares of Minerals Technologies Inc. stock under the company's 401(k) Plan. The information contained in this report is based on a plan statement dated as of February 22, 2007.
- Mr. Kelm was granted 1,000 DRSUs on February 22, 2006, vesting in three equal annual installments starting on the first anniversary of the grant date. Accordingly, 334 DRSUs representing the first such installment vested on February 22, 2007.

Remarks:

Laszlo Serester for Gregory Kelm 03/16/2007

** 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.

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