

MINERALS TECHNOLOGIES INC  
 Form 4  
 February 29, 2008

**FORM 4**

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

OMB APPROVAL

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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).

**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 \*  
 HARRISON DENNIS R

(Last) (First) (Middle)

MINERALS TECHNOLOGIES INC., 405 LEXINGTON AVENUE

(Street)

NEW YORK, NY 10174

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
 MINERALS TECHNOLOGIES INC [MTX]

3. Date of Earliest Transaction (Month/Day/Year)  
 02/27/2008

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)  
 Senior Vice President

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) Code V Amount (D) Price			
Common Stock	02/28/2008		M	1,300 A	4,382	D	
Common Stock	02/28/2008		F	439 D \$ 60.35	3,943	D	
Common Stock					2,916 <sup>(1)</sup>	I	By 401(k) Plan

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

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- (2) The options vest in three equal annual installments beginning on February 27, 2009.
- (3) Each DRSU is the economic equivalent of one share of Minerals Technologies Inc. Common Stock.
- (4) DRSUs vest in three equal annual installments beginning on February 27, 2009. Vested shares will be delivered to the reporting person upon vesting.
- (5) Mr. Harrison was granted 3,900 DRSUs on February 28, 2007, which vest in three equal annual installments beginning on February 28, 2008.

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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