MINERALS TECHNOLOGIES INC

Form 4

February 29, 2008

FORM 4

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

OMB

3235-0287 Number: January 31,

OMB APPROVAL

Expires: 2005 Estimated average

0.5

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** Form 5

obligations may continue. See Instruction

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)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading HARRISON DENNIS R 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 02/27/2008 Senior Vice President 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)

(City)	(State) (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 on (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common	02/20/2000		Code V	Amount	. /	Price	Transaction(s) (Instr. 3 and 4)	D		
Stock	02/28/2008		M	1,300	A	<u>(3)</u>	4,382	D		
Common Stock	02/28/2008		F	439	D	\$ 60.35	3,943	D		
Common Stock							2,916 (1)	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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displays a currently valid OMB control number.

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. Transactic Code (Instr. 8)	5. Numb orDerivati Securitie Acquired Disposed (Instr. 3, 5)	es d (A) or d of (D)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount Underlying Securitie (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Shares
Employee Stock Option (Right to Buy)	\$ 64.16	02/27/2008		A	7,500		(2)	02/27/2018	Common Stock	7,50
Deferred Restricted Stock Units ("DRSUs")	(3)	02/27/2008		A	4,500		<u>(4)</u>	<u>(4)</u>	Common Stock	4,50
DRSUs	<u>(3)</u>	02/28/2008		M		1,300	<u>(5)</u>	<u>(5)</u>	Common Stock	1,30

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

HARRISON DENNIS R MINERALS TECHNOLOGIES INC. 405 LEXINGTON AVENUE NEW YORK, NY 10174

Senior Vice President

Signatures

Laszlo Serester for Dennis R.
Harrison
02/29/2008

**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. Harrison has 2,916 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, 2008.

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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. 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.