

HARRISON DENNIS R  
 Form 4  
 February 24, 2006

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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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**

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

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)  
**MINERALS TECHNOLOGIES INC., 405 LEXINGTON AVENUE**  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
**02/22/2006**

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
**VICE PRESIDENT**

**NEW YORK, NY 10174**

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 \_\_\_ Form filed by More than One Reporting Person

(City) (State) (Zip)

**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)
Common Stock				(A) or (D) Code V Amount Price	2,526 <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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**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

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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 Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Employee Stock Option (Right to Buy)	\$ 53.79	02/22/2006		A	4,400	(2) 02/22/2016	Common Stock	4,400
Deferred Stock	(3)	02/22/2006		A	2,800	(4) (4)	Common Stock	2,800

## 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			VICE PRESIDENT	

## Signatures

VICTORIA LUKAUSKAS FOR DENNIS R.  
HARRISON

02/24/2006

\*\*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 2,526 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, 2005.
- (2) THE OPTION VESTS IN THREE ANNUAL EQUAL INSTALLMENTS BEGINNING ON FEBRUARY 22, 2007.
- (3) ONE-FOR-ONE
- (4) DEFERRED STOCK ISSUED PURSUANT TO THE COMPANY'S 2001 STOCK AWARD AND INCENTIVE PLAN. DEFERRED STOCK VESTS THREE YEARS FROM DATE OF REPORTING PERSON'S RECEIPT OF NOTIFICATION.

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.