Form

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#### FORM 4

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

OMB Number: 3235-0287 Expires: January 31, 2005

**OMB APPROVAL** 

if no longer subject to Section 16. Form 4 or

Check this box

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response... 0.5

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 X\_Officer (give title Other (specify (Month/Day/Year) below) below) MINERALS TECHNOLOGIES 02/22/2006 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 02/24/2006 Form filed by More than One Reporting NEW YORK, NY 10174 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect

1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or any (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect Beneficially (D) or Indirect Beneficial (I) Ownership Following (Instr. 4) (Instr. 4) Reported Transaction(s)

(A) Transaction(s)
Or (Instr. 3 and 4)

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

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 control number.

SEC 1474

(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

#### Edgar Filing: - Form

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. Number proof 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (Right to Buy)	\$ 54.23 (1)	02/22/2006		A	4,400	(2)	02/22/2016	Common Stock	4,400

### **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**

LASZLO SERESTER FOR DENNIS R. HARRISON

01/25/2007

\*\*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) On February 24, 2006, due to a clerical error, the reporting person reported the exercise price of the option as \$53.79 when in fact the exercise price is \$54.23.
- (2) THE OPTION VESTS IN THREE ANNUAL EQUAL INSTALLMENTS BEGINNING ON FEBRUARY 22, 2007.

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.

Reporting Owners 2