

| OMB APPROVAL                                 |           |
|--|-----------|
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**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

|  |  |  |
|--|--|--|
| <b>1. Name and Address of Reporting Person*</b><br><u>HARRISON DENNIS R</u><br><br>(Last) (First) (Middle)<br><u>MINERALS TECHNOLOGIES INC.</u><br><u>405 LEXINGTON AVENUE</u><br><br>(Street)<br><u>NEW YORK NY 10174</u><br><br>(City) (State) (Zip) | <b>2. Issuer Name and Ticker or Trading Symbol</b><br><u>MINERALS TECHNOLOGIES INC [ MTX ]</u> | <b>5. Relationship of Reporting Person(s) to Issuer</b><br>(Check all applicable)<br>Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><u>VICE PRESIDENT</u> |
|  | <b>3. Date of Earliest Transaction (Month/Day/Year)</b><br><u>04/01/2004</u>                   |  |
|  | <b>4. If Amendment, Date of Original Filed (Month/Day/Year)</b>                                |  |
|  |  | <b>6. Individual or Joint/Group Filing (Check Applicable Line)</b><br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br>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                    | 04/01/2004                           | 04/01/2004   | M                              |   | 5,000   | A          | \$39.53 | 5,000   | D  |   |
| COMMON STOCK                    | 04/01/2004                           | 04/01/2004   | S                              |   | 4,000   | D          | \$57.1  | 1,000   | D  |   |

**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 |
| EMPLOYEE STOCK OPTION (RIGHT TO BUY)       | \$39.53  | 04/01/2004                           | 04/01/2004   | M                              |   |  | 5,000 | (1)  | (1)             | COMMON STOCK  | 5,000                                      | (2)  | 21,235  | D  |       |

**Explanation of Responses:**

- THIS OPTION VESTED IN THREE EQUAL ANNUAL INSTALLMENTS BEGINNING ON 1/28/00, 1/28/01 AND 1/28/02 AND EXPIRES ON 1/28/09.
- ONE-FOR-ONE.

**Remarks:**

LINDA A. BUGGELN FOR DENNIS R. HARRISON 04/05/2004

\*\* 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.

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 Number.