SOREL JOHN A Form 4 March 03, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

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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)

See Instruction

| 1. Name and Address of Reporting Person * SOREL JOHN A | | | 2. Issuer Name and Ticker or Trading Symbol | 5. Relationship of Reporting Person(s) to Issuer | | | |
|--|----------|----------|--|--|--|--|--|
| | | | MINERALS TECHNOLOGIES INC [MTX] | (Check all applicable) | | | |
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) | Director 10% OwnerX_ Officer (give title Other (specify | | | |
| 405 LEXINGTON AVENUE | | | (Month/Day/Year) 03/01/2010 | below) below) Senior Vice President | | | |
| | (Street) | | 4. If Amendment, Date Original | 6. Individual or Joint/Group Filing(Check | | | |
| NEW YORK, NY 10174 | | | Filed(Month/Day/Year) | Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person | | | |
| (City) | (State) | (Zip) | Table I. New Davinskins Committee Acceptaint | unical Discussed of an Banaffeiglia Occurs | | | |

| (City) | (State) (Z | (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. Transactic 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) | |
| | | | Code V | Amount | (A) or | Duina | Transaction(s) (Instr. 3 and 4) | | | |
| Common Stock | 03/01/2010 | | M M | Amount 2,000 | (D) | Price (1) | 23,349 | D | | |
| Common Stock | 03/01/2010 | | F | 724 | D | \$ 49.4 | 22,625 | D | | |
| Common Stock | 03/01/2010 | | M | 1,833 | A | <u>(1)</u> | 24,458 | D | | |
| Common Stock | 03/01/2010 | | F | 663 | D | \$ 49.4 | 23,795 | D | | |
| Common Stock | | | | | | | 3,527 (2) | I | By 401(k) Plan | |

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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)

| 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. Transactio Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | Derivative Expiration D (Month/Day/cquired a) or isposed of b) nstr. 3, 4, | | Underlying S | 7. Title and Amount of 8 Underlying Securities I (Instr. 3 and 4) S | |
|---|---|---|---|--|---|--|--------------------|-----------------|---|--|
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| Deferred Restricted Stock Units (DRSUs) | <u>(1)</u> | 03/01/2010 | | M | 2,000 | (3) | <u>(3)</u> | Common Stock | 2,000 | |
| DRSUs | (1) | 03/01/2010 | | M | 1,833 | <u>(4)</u> | <u>(4)</u> | Common Stock | 1,833 | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

SOREL JOHN A

405 LEXINGTON AVENUE Senior Vice President

NEW YORK, NY 10174

Signatures

Thomas Meek for John A.
Sorel
03/03/2010

**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) Each DRSU is the economic equivalent of one share of Minerals Technologies Inc. Common Stock.

(2)

Reporting Owners 2

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Mr. Sorel has 3,527 shares of Minerals Technologies Inc. Common Stock under the Company's 401(k) Plan. The information contained in this report is based on a Plan Statement dated as of March 1, 2010.

- (3) Mr. Sorel was granted 6,000 DRSUs on February 27, 2008, which vest in three equal annual installments beginning on February 27, 2009.
- (4) Mr. Sorel was granted 5,500 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.