

MINERALS TECHNOLOGIES INC
 Form 4
 March 16, 2007

FORM 4

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

OMB APPROVAL

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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 *
 SOREL JOHN A

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

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 ___ Director ___ 10% Owner
X Officer (give title below) ___ Other (specify below)
 Senior Vice President

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

3. Date of Earliest Transaction
 (Month/Day/Year)
 03/14/2007

NEW YORK, NY 10174

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

6. Individual or Joint/Group Filing(Check Applicable Line)
X 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	03/14/2007		M		5,714	A	\$ 39.53
Common Stock	03/14/2007		F		3,700	D	\$ 61.05
Common Stock	03/16/2007		M		15,000	A	\$ 39.53
Common Stock	03/16/2007		S		15,000	D	\$ 60.9
Common Stock							2,889 ⁽¹⁾
						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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(9-02)

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 Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares
Employee Stock Option (Right to Buy)	\$ 39.53	03/14/2007		M	5,714	<u>(2)</u> 01/28/2009	Common Stock	5,714
Employee Stock Option (Right to Buy)	\$ 39.53	03/16/2007		M	15,000	<u>(2)</u> 01/28/2009	Common Stock	15,000

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

SOREL JOHN A
MINERALS TECHNOLOGIES INC.
405 LEXINGTON AVENUE
NEW YORK,, NY 10174

Senior Vice President

Signatures

Laszlo Serester for John A.
Sorel

03/16/2007

**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) Mr. Sorel has 2,889 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, 2007.
- (2) The options vested in three equal annual installments beginning on January 28, 2000.

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.