MINERALS TECHNOLOGIES INC

Form 4

February 23, 2007

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

Number:

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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 * SOREL JOHN A

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Issuer

below)

Symbol

MINERALS TECHNOLOGIES INC

(Check all applicable)

[MTX]

(Last) (First) (Middle) 3. Date of Earliest Transaction

Director 10% Owner Other (specify X_ Officer (give title

(Month/Day/Year)

02/22/2007

SENIOR VICE PRESIDENT

MINERALS TECHNOLOGIES INC., 405 LEXINGTON AVENUE

(Street)

(State)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

NEW YORK, NY 10174

(City)

Common

Stock

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

(Zip)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially (D) or Owned Following

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

Reported Transaction(s)

(A) or (Instr. 3 and 4)

Code V Amount (D) Price

02/22/2007 M 1,367 A (1) 5,067 D

Common By 401(k) 2,889 (2) I Plan Stock

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

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(9-02)

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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. Transactic Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	e Expiration I (Month/Day	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	
Deferred Restricted Stock Units ("DRSUs")	(1)	02/22/2007		M	1,36′	7 (3)	(3)	Common Stock	1,367	

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

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

SENIOR VICE PRESIDENT

8. In Section (In:

Signatures

Laszlo Serester for John A. Sorel

02/23/2007

**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) Each DRSU is the economic equivalent of one share of Minerals Technologies Inc. Common Stock.
- (2) 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.
- (3) Mr. Sorel was granted 4,100 DRSUs on February 22, 2006, vesting in three equal annual installments starting on the first anniversary of the grant date. Accordingly, 1,367 DRSUs representing the first such installment vested 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.

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