SOREL JOHN A Form 4 February 01, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL OMB

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations

may continue. See Instruction

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).

Common

Stock

(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)		
(Last) 405 LEXIN	(First)	(Middle) JE	3. Date of (Month/D 01/28/20					Director 10% Owner X Officer (give title Other (specify below) Senior Vice President		
				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	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed of	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Da (Month/Day/Year	e) Execution any	med on Date, if Day/Year)	3. Transactio Code (Instr. 8)	(Instr. 3,	ispose 4 and (A) or	d of (D) 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)	
Common Stock	01/28/2010			Code V M	Amount 3,234	(D)	Price (1)	20,323	D	
Common Stock	01/28/2010			F	1,271	D	\$ 48.27	19,052	D	

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control

3,341 (2)

Ι

By 401(k)

Plan

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number.

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 or Derivative Securities Acquired Disposed (Instr. 3, 4)	(A) or of (D)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount Underlying Securitie (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Employee Stock Option (Right to Buy)	\$ 39.71	01/28/2009		A	16,700		(3)	01/28/2019	Common Stock	16,70
Deferred Restricted Stock Units (DRSUs)	(1)	01/28/2009		A	9,700		<u>(4)</u>	<u>(4)</u>	Common Stock	9,70
DRSUs	<u>(1)</u>	01/28/2010		M		3,234	(5)	(5)	Common Stock	3,23

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 02/01/2010

**Signature of Reporting Person Dat

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 3,341 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 January 28, 2010.

(3) The options vest in three equal annual installments beginning on January 28, 2010.

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- (4) DRSUs vest in three equal annual installments beginning on January 28, 2010. Vested shares will be delivered to the reporting person upon vesting.
- (5) Mr. Sorel was granted 9,700 DRSUs on January 28, 2009, which vest in three equal annual installments beginning on January 28, 2010. 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.