SEC Form 4	
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## FORM 4

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

	Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).
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## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPRC	VAL
OMB Number:	3235-0287
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hours per response:	0.5

1. Name and Address of Reporting Person <sup>*</sup> DIETRICH DOUGLAS T			2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>MINERALS TECHNOLOGIES INC</u> [ MTX ]		5. Relationship of Reporting Person(s) to Issu (Check all applicable) Director 10% Owr				
(Last) 405 LEXINGT	(First) ON AVENUE	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 01/27/2010	X	Officer (give title below) Vice Presi	Other (specify below) dent			
(Street) NEW YORK	,		4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	ividual or Joint/Group Filing (Check Applicabl Form filed by One Reporting Person Form filed by More than One Reporting				
(City)	(State)	(Zip)	nering the Committee Accurring Disposed of an Denefi		Person				

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

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)	Transaction Code (Instr.		tion 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 (D)	Price	Transaction(s) (Instr. 3 and 4)		(1150. 4)	
Common Stock								482 <sup>(1)</sup>	Ι	By 401(k) Plan	

### 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. Transa Code ( 8)		5. Num of Deriva Securi Acquin (A) or Dispos of (D) (Instr. and 5)	Expiration Date (Month/Day/Year) urities uried or osed )) r, 3, 4		te Amount of		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	Amount or Number of Shares				
Employee Stock Option (Right to Buy)	\$49.12	01/27/2010		A		6,870		(2)	01/27/2010	Common Stock	6,870	\$0	22,470	D	
Deferred Restricted Stock Units (DRSUs)	(3)	01/27/2010		A		3,960		(4)	(4)	Common Stock	3,960	\$0	9,442	D	

#### Explanation of Responses:

1. Mr. Dietrich has 482 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.

2. The options vest in three equal annual installments beginning on January 27, 2011.

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

4. DRSUs vest in three equal annual installments beginning on January 27, 2011. Vested shares will be delivered to the reporting person upon vesting.

#### **Remarks:**

Thomas Meek for Douglas T.

**Dietrich** 

02/05/2010

\*\* 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.