## FORM 4

obligations may continue. See Instruction 1(b).

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

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person*     DIETRICH DOUGLAS T  (Last) (First) (Middle)      622 THIRD AVENUE						2. Issuer Name and Ticker or Trading Symbol MINERALS TECHNOLOGIES INC									. Relationship of Reporting Person(s) to Issue Check all applicable)  Director 10% Owner  X Officer (give title below) VICE PRESIDENT				vner
(Street)  NEW YORK NY 10017  (City) (State) (Zip)							endmei	nt, Date	of Origina	l Filed	d (Month/D	Line)	Individual or Joint/Group Filing (Check Applicable ine)  X Form filed by One Reporting Person Form filed by More than One Reporting Person						
		Tab	le I - No	n-Deri\	ative	e Se	curit	ies Ac	quired	, Dis	posed o	of, or B	enefi	cially	Owned	k			
1. Title of Security (Instr. 3)  2. Transac Date (Month/Da					ay/Year) i		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			and 5) Securiti Benefic Owned		es ially Following	Form (D) o	n: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership
										v	Amount	(A) (D)	r Pri	се	Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)
Common	01/28/2011					М		1,633	A	$\top$	(1)	5,	5,013		D				
Common	/2011	2011					661	D	\$6	3.425	4,352			D					
Common Stock															679 <sup>(2)</sup>				By 401(k)
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. Deem Execution if any (Month/Da	Date,	4. Transaction Code (Instr 8)				6. Date Exercis Expiration Date (Month/Day/Yea		9	7. Title and Amount of Securities Underlying Derivative Securit (Instr. 3 and 4)		S (I	. Price of verivative ecurity nstr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	e C S Illy C J	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisal		Expiration Date	Title	Amo or Num of Shar	ber					
Deferred Restricted Stock Units	(1)	01/28/2011			М			1,633	(3)		(3)	Common Stock	1,6	33	\$0	9,861		D	

## **Explanation of Responses:**

- 1. Each DRSU is the economic equivalent of one share of Mineral Technologies Inc. Common Stock.
- $2. \ The information contained in this report is based on a Plan Statement dated as of January 27, 2011.$
- 3. The DRSU?s were granted on January 28, 2009 and vest in three equal installments beginning on January 28, 2010.

## Remarks:

By: Thomas Meek for Douglas 02/01/2011 T. Dietrich

\*\* 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.