FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washi

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

ington, D.C. 20549	Ī
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	OMB APPRO	OVAL						
	OMB Number:	3235-0287						
Estimated average burden								
l	hours per response:	0.5						

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

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

1. Name and Address of Reporting Person*  MUSCARI JOSEPH C						2. Issuer Name and Ticker or Trading Symbol MINERALS TECHNOLOGIES INC [ MTX ]								eck all applic Directo	able)	Othe	Owner r (specify
(Last) 622 THII	(Fi RD AVENU	•	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 01/27/2011								below)	F EXECU	belo TIVE OFFI	´
(Street) NEW YORK NY 10017					- 4. I	f Ame	ndme	nt, Date (	of Origina	l Filed	i (Month/Da	Line	ndividual or Joint/Group Filing (Check Applicable e)  X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(5)		(Zip)	n Dori	votiv.		ourit	ioo Ao	auirad	Die	nocod o	of or Bo	noficial	ly Owned	l		
1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)				saction	ction 2A. Deemed Execution Date,			3. 4. Securities Transaction Code (Instr. b)			ies Acquire	ed (A) or	5. Amou Securitie Benefici Owned F	nt of es ally Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) or (D)	Price	Reported Transact (Instr. 3	ion(s)		(Instr. 4)
Common Stock 01/27				7/201	/2011			М		13,01	0 A	(1)	46	,445	D		
Common Stock 01				01/2	7/201	7/2011					5,290	D	\$64.4	5 41,	,155	D	
Common Stock													77	<b>'9</b> <sup>(2)</sup>	I	By 401(k)	
		7	Гable II -								osed of, converti			Owned			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Day	Date,	4. Transaction Code (Instr. 8)				6. Date Exercisa Expiration Date (Month/Day/Yea		е	7. Title an of Securit Underlyin Derivative (Instr. 3 ar	ies g Security	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownershi Form: Direct (D) or Indirec (I) (Instr. 4	Beneficial Ownership ect (Instr. 4)
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Amount or Number of Shares				
Deferred Restricted Stock Units	(1)	01/27/2011			M			13,010	(3)		(3)	Common Stock	13,010	\$0	61,006	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.
- $3.\ The\ DRSU?s\ were\ granted\ on\ January\ 27,\ 2010\ and\ vest\ in\ two\ equal\ installments\ beginning\ on\ January\ 27,\ 2011.$

## Remarks:

By: Thomas J. Meek for Joseph 01/31/2011 C. Muscari

\*\* Signature of Reporting Person

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.