FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP	OMB Number:	3235-		
	Estimated average hurden			

0.5

Estimated average burden hours per response: Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

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

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]											p of Reporting olicable) ctor er (give title		10% Ov Other (s	vner
(Last) 622 THI	(F RD AVENU	•	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 02/27/2011										X	below) CHIEF EXECUT		JTIV	below) E OFFICE	CR .
(Street) NEW YO	ORK N	Y	10017	- 4. If -	4. If Amendment, Date of Original Filed (Month/Day/Year)										Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(S		(Zip)																		
			le I - No			_			-	ed, D	Disp		-			_				[.	
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da					Executi			, Tra			Dispose	ecurities Acquired (A) or posed Of (D) (Instr. 3, 4 an				Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
										de V A		Amount	nount (A) or (D)		Price	Reporte Transac (Instr. 3		tion(s)			(Instr. 4)
Common Stock 02/27/2					7/2011	2011			1	1		6,833	3 .	A	(1)		53,271		D		
Common Stock 02/27/2				7/2011	1						3,449	9	D	\$64.3	4.32 49		9,822		D		
Common Stock																	879 ⁽²⁾				By 401(k)
		Т	able II -									sed of onverti				/ Ov	vned			,	
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,		Transaction Code (Instr.		umber ivative urities juired or posed D) tr. 3, 4	6. Dat Expira (Mont	tion D	ate	ble and	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)		9. Number of derivative Securities Beneficially Owned Following Reported Transactior (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exerc	sable		xpiration ate	Title	0 0	Amount or Number of Shares						
Deferred Restricted Stock Units	(1)	02/27/2011			M			6,833	(3)		(3)	Commo Stock		6,833		(1)	43,506		D	

Explanation of Responses:

- 1. Each DRSU is the economic equivalent of one share of Mineral Technologies Inc. Common Stock.
- $2. \ The information contained in this report is based on a Plan Statement dated as of February 28, 2011.$
- 3. The DRSU?s were granted on February 27, 2008 and vest in three equal installments beginning on February 27, 2009.

Remarks:

By: Thomas J. Meek for 03/01/2011 Joseph C. Muscari

** 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.