

OMB APPROVAL	
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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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* <u>MUSCARI JOSEPH C</u>  (Last) (First) (Middle) 622 THIRD AVENUE 38TH FL  (Street) NEW YORK NY 10017  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>MINERALS TECHNOLOGIES INC [ MTX ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Executive Chairman</u>
	3. Date of Earliest Transaction (Month/Day/Year) 07/31/2013	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

**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)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 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)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	07/31/2013		M		110,000	A	\$19.855	272,604	D	
Common Stock	07/31/2013		F		75,000 <sup>(1)</sup>	D	\$46.0004 <sup>(2)</sup>	197,604	D	
Common Stock	08/01/2013		M		88,800	A	\$24.56	286,404	D	
Common Stock	08/01/2013		F		69,000 <sup>(1)</sup>	D	\$47.0028 <sup>(3)</sup>	217,404	D	
Common Stock								2,142 <sup>(4)</sup>	I	By 401k 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. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		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 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)	\$19.855	07/31/2013		M		110,000		(5)	01/28/2019	Common Stock	110,000	\$0	492,065	D	
Employee Stock Option (Right to Buy)	\$24.56	08/01/2013		M		88,800		(6)	01/27/2020	Common Stock	88,800	\$0	403,265	D	

**Explanation of Responses:**

- Reflects shares sold to pay required withholding taxes and costs of option; balance of shares are retained by the officer.
- Reported price is an average price with a range of a high of \$46.235 and a low of \$45.78.
- Reported price is an average price with a range of a high of \$47.32 and a low of \$46.03.
- Mr. Muscari has 2,142 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 July 30, 2013.
- The options vested in three equal annual installments beginning on January 28, 2010.
- The options vested in two equal annual installments beginning January 27, 2011.

**Remarks:**

Thomas J. Meek for Joseph Muscari 08/02/2013

\*\* 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.

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