

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

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person* MAYGER DOUGLAS W _____ (Last) (First) (Middle) 622 THIRD AVENUE _____ (Street) NEW YORK NY 10017 _____ (City) (State) (Zip)			2. Issuer Name and Ticker or Trading Symbol MINERALS TECHNOLOGIES INC [MTX]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) VICE PRESIDENT	
			3. Date of Earliest Transaction (Month/Day/Year) 08/17/2012			
			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 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	08/17/2012		M		521	A	\$39.71	5,496	D	
Common Stock	08/17/2012		S		521	D	\$68.55	4,975	D	
Common Stock	08/17/2012		M		378	A	\$49.12	5,353	D	
Common Stock	08/17/2012		S		378	D	\$68.2	4,975	D	
Common Stock	08/17/2012		M		1,745	A	\$39.71	6,720	D	
Common Stock	08/17/2012		S		1,262	D	\$68.55	5,458	D	
Common Stock	08/17/2012		M		1,455	A	\$49.12	6,913	D	
Common Stock	08/17/2012		S		1,196	D	\$68.19	5,717	D	
Common Stock	08/17/2012		P		0	A	\$0	1,528 ⁽³⁾	I	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. 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
Employee Stock Option (Right to Buy)	\$39.71	08/17/2012		M			521	(1)	01/28/2019	Common Stock	521	\$0	19,623	D	
Employee Stock Option (Right to Buy)	\$49.12	08/17/2012		M			378	(2)	01/27/2020	Common Stock	378	\$0	19,245	D	
Employee Stock Option (Right to Buy)	\$39.71	08/17/2012		M			1,745	(1)	01/28/2019	Common Stock	1,745	\$0	17,500	D	
Employee Stock Option (Right to Buy)	\$49.12	08/17/2012		M			1,455	(2)	01/27/2020	Common Stock	1,455	\$0	16,045	D	

Explanation of Responses:

- The options vested in three equal annual installments beginning on January 28, 2010
- The options vested in three equal annual installments beginning on January 27, 2011
- The information contained in this report is based on a Plan Statement dated as of August 16, 2012.

Thomas Meek for Douglas
Mayger

08/21/2012

** 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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