

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* <u>Schut Johannes C</u>			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) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Vice President</u>		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>03/19/2014</u>			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		
<u>622 THIRD AVENUE</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street) <u>NEW YORK NY 10017</u>								
(City) (State) (Zip)								

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	03/19/2014		M		1,112	A	\$32.2275	9,537	D	
Common Stock	03/19/2014		F		831 ⁽¹⁾	D	\$59.41	8,706	D	
Common Stock	03/19/2014		M		924	A	\$31.365	9,630	D	
Common Stock	03/19/2014		F		682 ⁽¹⁾	D	\$59.45 ⁽²⁾	8,948	D	
Common Stock	03/19/2014		M		2,904	A	\$32.03	11,852	D	
Common Stock	03/19/2014		F		2,161 ⁽¹⁾	D	\$59.48 ⁽³⁾	9,691	D	
Common Stock	03/19/2014		M		3,094	A	\$41.29	12,785	D	
Common Stock	03/19/2014		F		2,592 ⁽¹⁾	D	\$59.42 ⁽⁴⁾	10,193	D	
Common Stock								195	I	by 401(K) ⁽⁵⁾

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)	\$32.2275	03/19/2014		M		1,112		(6)	01/26/2021	Common Stock	1,112	\$0	22,945	D	
Employee Stock Option (Right to Buy)	\$31.365	03/19/2014		M		924		(7)	03/16/2021	Common Stock	924	\$0	22,021	D	
Employee Stock Option (Right to Buy)	\$32.03	03/19/2014		M		2,904		(8)	01/25/2022	Common Stock	2,904	\$0	19,117	D	
Employee Stock Option (Right to Buy)	\$41.29	03/19/2014		M		3,094		(9)	01/22/2023	Common Stock	3,094	\$0	16,023	D	

Explanation of Responses:

- Represents shares sold to pay required withholding taxes and costs of option award and the balance of shares are retained by the officer.
- Weighted average price representing high of \$59.51 and low of \$59.44.
- Weighted average price representing high of \$59.55 and low of \$59.41.

4. Weighted average price representing high of \$59.44 and low of \$59.40.
5. The information contained in this report is based on a Plan statement dated as of March 17, 2014.
6. The options vested in three equal annual installments beginning on January 26, 2012.
7. The options vested in three equal annual installments beginning on March 16, 2012.
8. The options vested in three equal annual installments beginning on January 25, 2013.
9. The options vested in three equal annual installments beginning on January 22, 2014.

Thomas Meek for Johannes
Schut

03/19/2014

** 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.