

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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>ARGIRAKIS BRETT</u>	2. Date of Event Requiring Statement (Month/Day/Year) 01/18/2017	3. Issuer Name and Ticker or Trading Symbol <u>MINERALS TECHNOLOGIES INC [MTX]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> Officer (give title below) Vice President	5. 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
(Last) (First) (Middle) 622 THIRD AVENUE 38TH FLOOR			
(Street) NEW YORK NY 10017			
(City) (State) (Zip)			

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	2,739	D	
Common Stock	1,073	I	401(k)

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Employee Stock Option (Right to Buy)	(1)	01/22/2023	Common Stock	927	41.29	D
Employee Stock Option (Right to Buy)	(2)	01/22/2024	Common Stock	2,655	57.965	D
Employee Stock Option (Right to Buy)	(3)	01/20/2025	Common Stock	2,630	60.185	D
Employee Stock Option (Right to Buy)	(4)	01/19/2026	Common Stock	6,501	38.285	D
Employee Stock Option (Right to Buy)	(5)	01/17/2027	Common Stock	4,271	78.025	D
Deferred Restricted Stock Units (DRSUs)	(7)	(7)	Common Stock	460	(6)	D
Deferred Restricted Stock Units (DRSUs)	(8)	(8)	Common Stock	996	(6)	D
Deferred Restricted Stock Units (DRSUs)	(9)	(9)	Common Stock	2,507	(6)	D
Deferred Restricted Stock Units (DRSUs)	(10)	(10)	Common Stock	2,486	(6)	D

Explanation of Responses:

- The options were granted on January 22, 2013 and vest in three equal annual installments beginning on January 22, 2014.
- The options were granted on January 22, 2014 and vest in three equal annual installments beginning on January 22, 2015.
- The options were granted on January 20, 2015 and vest in three equal annual installments beginning on January 20, 2016.
- The options were granted on January 19, 2016 and vest in three equal annual installments beginning on January 19, 2017.
- The options were granted on January 17, 2017 and vest in three equal annual installments beginning on January 17, 2018.
- Each DRSU is the economic equivalent of one share of Mineral Technologies Inc. Common Stock.
- DRSUs were granted on January 22, 2014 and vest in three equal annual installments beginning on January 22, 2015.
- DRSUs were granted on January 20, 2015 and vest in three equal annual installments beginning on January 20, 2016.
- DRSUs were granted on January 19, 2016 and vest in three equal annual installments beginning on January 19, 2017.
- DRSUs were granted on January 17, 2017 and vest in three equal annual installments beginning on January 17, 2018.

Remarks:

/s/ Brett Argirakis

01/23/2017

** 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 5 (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.