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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b) |
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| Instruction 1(b). |
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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 [*] CIPOLLA MICHAEL (Last) (First) (Middle) 622 THIRD AVENUE | | | | er Name and Ticke IERALS TEC e of Earliest Transa /2015 | CHNOLO | <u>GIES INC</u> [MTX | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify below) below) VICE PRESIDENT | | | | | |
|---|---------------|----------------|----------|---|----------------|-----------------------|---|--|------------------|-----------|--|--|
| (Street) NEW YORK (City) | NY (State) | 10017 (Zip) | 4. lf Ar | nendment, Date of | Original Filed | (Month/Day/Year) | 6. Indiv Line) X | ridual or Joint/Grou Form filed by On Form filed by Mo Person | e Reporting Pers | son | | |
| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned | | | | | | | | | | | | |
| 1. Title of Security (Instr. 3) 2. Transac | | | | ion 2A. Deemed 3. 4. Securities Acquired (A | | | | 5. Amount of | 6. Ownership | 7. Nature | | |

| Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transa Code (I 8) | ction | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | (D) or Indirect | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | |
|------------------------------|--|---|-------------------------------|-------|---|---------------|-------|------------------------------------|---|----------|
| | | | Code | v | Amount | (A) or (D) | Price | Transaction(s) (Instr. 3 and 4) | | (1150.4) |

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. Transa Code (| ction | of Derivative Securities Acquired (A) or | | 6. Date Exerc Expiration Da (Month/Day/Y | isable and ite | 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 | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---|---|--|---|------------------------|-------|--|-----|--|--------------------|--|------------------------------|---|--|--|--|
| | | | | | | Disposed of (D) (Instr. 3, 4 and 5) | | | | Amount | | | Reported Transaction(s) (Instr. 4) | | |
| | | | | Code | v | (A) | (D) | Date Exercisable | Expiration Date | Title | or Number of Shares | | | | |
| Employee Stock Option (Right to Buy) | \$60.185 | 01/20/2015 | | A | | 4,556 | | (1) | 01/20/2025 | Common Stock | 4,556 | \$0 | 51,518 | D | |
| Deferred Restricted Stock Units (DRSUs) | (2) | 01/20/2015 | | А | | 4,254 | | (3) | (3) | Common Stock | 4,254 | \$0 | 10,318 | D | |

Explanation of Responses:

1. The options were granted on January 20, 2015 and vest in three equal annual installments beginning on January 20, 2016.

2. Each DRSU is the economic equivalent of one share of Mineral Technologies Inc. Common Stock.

3. DRSUs were granted on January 20, 2015 and vest in three equal annual installments beginning on January 20, 2016.

Thomas J. Meek for Michael

Cipolla

01/22/2015

** 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.