

**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*<br><u>Vartanian Nishan J.</u><br><br>(Last) (First) (Middle)<br>1000 CRANBERRY WOODS DRIVE<br><br>(Street)<br>CRANBERRY WOODS PA 16066<br>TOWNSHIP<br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>MINE SAFETY APPLIANCES CO [ MSA ]</u> | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br><br>Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><u>Vice President</u> |
|   | 3. Date of Earliest Transaction (Month/Day/Year)<br>02/20/2013                          |   |
|   | 4. If Amendment, Date of Original Filed (Month/Day/Year)                                | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br><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, no par value      | 02/20/2013                           |  | A                              |   | 1,522   | A          | \$0.0000 | 11,547  | D  |   |
| Common Stock, no par value      |                                      |  |                                |   |   |            |          | 1,090   | I  | By Wife   |
| Common Stock, no par value      |                                      |  |                                |   |   |            |          | 200   | I  | UGMA account for daughter                             |
| Common Stock, no par value      |                                      |  |                                |   |   |            |          | 250   | I  | UGMA account for son                                  |

**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 |   |  |  |   |  | Amount or Number of Shares |
| Incentive Stock Option                     | \$48.95  | 02/20/2013                           |  | A                              |   | 2,042  |     | 02/20/2016   | 02/20/2023      | Common Stock, no par value  | 2,042                                      | \$48.95  | 2,042   | D  |                            |
| Non-statutory Stock Option                 | \$48.95  | 02/20/2013                           |  | A                              |   | 1,360  |     | 02/20/2016   | 02/20/2023      | Common Stock, no par value  | 1,360                                      | \$48.95  | 1,360   | D  |                            |

Explanation of Responses:

Douglas K. McClaine, 02/21/2013  
Attorney in Fact  
 \*\* 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.