

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 | |
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|---|---|---|
| 1. Name and Address of Reporting Person * BAILLIE JAMES H <hr/> (Last) (First) (Middle) 121 GAMMA DRIVE RIDC INDUSTRIAL PARK <hr/> (Street) PITTSBURGH PA 15238 <hr/> (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol MINE SAFETY APPLIANCES CO [MSA] | 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) 03/15/2007 | |
| 4. If Amendment, Date of Original Filed (Month/Day/Year) | | |

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 | 03/15/2007 | | M | | 24,430 | A | \$25.065 | 53,522 | D | |
| Common Stock, no par value | 03/15/2007 | | M | | 3,989 | A | \$25.065 | 57,511 | D | |
| Common Stock, no par value | 03/15/2007 | | S | | 100 | D | \$41.45 | 57,411 | D | |
| Common Stock, no par value | 03/15/2007 | | S | | 855 | D | \$41.295 | 56,556 | D | |
| Common Stock, no par value | 03/15/2007 | | S | | 1,100 | D | \$41.44 | 55,456 | D | |
| Common Stock, no par value | 03/15/2007 | | S | | 2,800 | D | \$41.43 | 52,656 | D | |
| Common Stock, no par value | 03/15/2007 | | S | | 3,000 | D | \$41.4 | 49,656 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 200 | D | \$41.55 | 49,456 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 500 | D | \$40.81 | 48,956 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 500 | D | \$40.84 | 48,456 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 500 | D | \$41.07 | 47,956 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 900 | D | \$41.09 | 47,056 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 1,000 | D | \$40.86 | 46,056 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 1,000 | D | \$40.66 | 45,056 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 1,100 | D | \$40.76 | 43,956 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 1,100 | D | \$41.22 | 42,856 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 1,200 | D | \$41.12 | 41,656 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 1,400 | D | \$41.1 | 40,256 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 1,500 | D | \$41.25 | 38,756 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 1,500 | D | \$41.05 | 37,256 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 1,500 | D | \$41 | 35,756 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 1,619 | D | \$40.73 | 34,137 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 1,900 | D | \$41.21 | 32,237 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 2,000 | D | \$41.33 | 30,237 | D | |
| Common Stock, no par value | 03/16/2007 | | S | | 2,000 | D | \$41.19 | 28,237 | D | |

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

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| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | Table 1. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | | 5. Number of 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 |
| Incentive Stock Option | \$25.065 | 03/15/2007 | | M | | 3,989 | 03/09/2005 | 03/09/2014 | Common Stock, no par value | 3,989 | \$25.065 | 0 | D | |
| Non-statutory Stock Option | \$25.065 | 03/15/2007 | | M | | 24,430 | 03/09/2005 | 03/09/2014 | Common Stock, no par value | 24,430 | \$25.065 | 0 | D | |

Explanation of Responses:

Remarks:

Douglas K. McClaine, Attorney 03/19/2007
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.