

**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* <b>BIGLER JOSEPH A</b>  (Last) (First) (Middle) <b>1000 CRANBERRY WOODS DRIVE</b>  (Street) <b>CRANBERRY WOODS PA 16066</b>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <b>MINE SAFETY APPLIANCES CO [ MSA ]</b>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title below) Other (specify below) <b>Vice President</b>
	3. Date of Earliest Transaction (Month/Day/Year) <b>02/26/2014</b>	
	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	02/26/2014		M		11,775	A	\$17.83	48,895	D	
Common Stock, no par value	02/26/2014		A		6,581	A	\$0.0000	55,476	D	
Common Stock, no par value	02/26/2014		M		2,804	A	\$17.83	58,280	D	
Common Stock, no par value	02/26/2014		F		1,043	D	\$51.69	57,237	D	
Common Stock, no par value	02/26/2014		F		1,563	D	\$51.69	55,674	D	
Common Stock, no par value	02/26/2014		S		3,403	D	\$52.103 <sup>(1)</sup>	52,271	D	
Common Stock, no par value	02/27/2014		S		901	D	\$52.1	51,370	D	
Common Stock, no par value	02/28/2014		S		7,471	D	\$52.059 <sup>(2)</sup>	43,899	D	
Common Stock, no par value	02/27/2014		S		461	D	\$52	815	I	By Wife <sup>(3)</sup>

**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	Amount or Number of Shares				
Incentive Stock Option	\$17.83	02/26/2014		M			2,804	02/23/2012	02/23/2019	Common Stock, no par value	2,804	\$17.83	2,804	D	
Incentive Stock Option	\$51.69	02/26/2014		A		1,934		02/26/2017	02/26/2024	Common Stock, no par value	1,934	\$51.69	1,934	D	
Non-statutory Stock Option	\$17.83	02/26/2014		M		11,775		02/23/2012	02/23/2019	Common Stock, no par value	11,775	\$17.83	11,772	D	
Non-statutory Stock Option	\$51.69	02/26/2014		A		8,231		02/26/2017	02/26/2024	Common Stock, no par value	8,231	\$51.69	8,231	D	

**Explanation of Responses:**

- Share price on this transaction ranged from \$52.10 to \$52.15.
- Share price on this transaction ranged from \$52.00 - \$52.15.
- These shares are being reported due to the marriage of the owner of the shares to the reporting person.

Douglas K. McClaine, Attorney 02/28/2014  
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.**