

OMB APPROVAL	
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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

1. Name and Address of Reporting Person* <u>RYAN JOHN T III</u> (Last) (First) (Middle) <u>121 GAMMA DRIVE</u> <u>RIDC INDUSTRIAL PARK</u> (Street) <u>PITTSBURGH PA 15238</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>MINE SAFETY APPLIANCES CO [MSA]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <p style="text-align: center;">Chairman</p>
	3. Date of Earliest Transaction (Month/Day/Year) <u>09/13/2010</u>	
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	09/13/2010		s ⁽¹⁾		18,000	D	\$24.38 ⁽²⁾	1,007,932	D	
Common Stock, no par value	09/14/2010		M		100,000	A	\$12.1388	1,107,932	D	
Common Stock, no par value	09/14/2010		s ⁽¹⁾		2,500	D	\$24.4016	1,105,432	D	
Common Stock, no par value	09/14/2010		F		49,485	D	\$24.53	1,055,947	D	
Common Stock, no par value								1,521,889	I	As Co-Trustee ⁽³⁾
Common Stock, no par value								354,731	I	By Wife ⁽⁴⁾
Common Stock, no par value								160,357	I	By Wife as Trustee ⁽⁵⁾
Common Stock, no par value								474,156	I	Co-Trustee ⁽⁶⁾

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				
Non-statutory Stock Option	\$12.1388	09/14/2010		M		100,000		09/11/2002	03/11/2012	Common Stock, no par value	100,000	\$0.0000	43,097	D	

Explanation of Responses:

- Shares sold to satisfy tax obligation resulting from option exercise.
- Share prices on this transaction ranged from \$24.1081 to \$24.5900.
- Shares held in a trust of which I am a Trustee and in which a member of my immediate family is the beneficiary. I disclaim beneficial ownership of these shares.
- I disclaim beneficial ownership of these shares.
- Shares held in trusts of which I am not a trustee and in which members of my immediate family are beneficiaries. I disclaim beneficial ownership of these shares.
- Shares held in trusts of which I am a trustee and in which I and members of my immediate family are among the beneficiaries.

Douglas K. McClaine, Attorney in Fact 09/15/2010

** 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.