MINE SAFETY APPLIANCES CO Form 8-K April 29, 2010

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of

The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): April 29, 2010

MINE SAFETY APPLIANCES COMPANY

(Exact name of registrant as specified in its charter)

Pennsylvania (State or other jurisdiction of

1-15579 (Commission 25-0668780 (IRS Employer

incorporation or organization)

File Number)

Identification No.)

121 Gamma Drive

RIDC Industrial Park

O Hara Township

Pittsburgh, Pennsylvania 15238 (Address of principal executive offices) (Zip Code) Registrant s telephone number, including area code: 412-967-3000

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- " Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02 Results of Operations and Financial Condition.

On April 29, 2010, the Company issued a press release announcing its financial results for the quarter ended March 31, 2010. A copy of the press release is furnished herewith as Exhibit 99.1 to this report.

Item 9.01. Exhibits

Exhibit Number	Description
99.1	Mine Safety Appliances Company Press Release dated April 29, 2010, announcing financial results for the quarter ended March 31, 2010.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

MINE SAFETY APPLIANCES COMPANY

(Registrant)

By /s/ Dennis L. Zeitler Dennis L. Zeitler Senior Vice President - Finance

Date: April 29, 2010

EXHIBIT INDEX

Exhibit Number	Description
99.1	Mine Safety Appliances Company Press Release dated April 29, 2010, announcing financial results for the quarter ended March 31, 2010.