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): February 28, 2007

MINE SAFETY APPLIANCES COMPANY

(Exact name of registrant as specified in its charter)

Pennsylvania (State or other jurisdiction of

1-15579 (Commission File Number) 25-0668780 (IRS Employer

incorporation or organization)

Identification No.)

121 Gamma Drive

RIDC Industrial Park

O Hara Township

Pittsburgh, Pennsylvania (Address of principal executive offices)

15238 (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 February 27, 2007 the Company issued a press release announcing its financial results for the quarter and year ended December 31, 2006. 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 February 27, 2007, announcing financial results for the quarter and year ended

December 31, 2006.

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 Vice President - Finance

Date: February 28, 2007

EXHIBIT INDEX

Exhibit

Number Description

99.1 Mine Safety Appliances Company Press Release dated February 27, 2007, announcing financial results for the quarter and year ended December 31, 2006.

4