
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 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) September 5, 2012

Martin Marietta Materials, Inc.

(Exact Name of Registrant as Specified in Its Charter)

North Carolina
(State or Other Jurisdiction
of Incorporation)

1-12744
(Commission
File Number)

56-1848578
(IRS Employer
Identification No.)

2710 Wycliff Road, Raleigh,
North Carolina
(Address of Principal Executive Offices)

27607
(Zip Code)

(919) 781-4550
(Registrant's Telephone Number, Including Area Code)

Not Applicable
(Former Name or Former Address, if Changed Since Last Report)

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))
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Item 8.01 Other Events.

On September 5, 2012, the Corporation received an order issued by the Mine Safety and Health Administration (“MSHA”) under section 107(a) of the Federal Mine Safety and Health Act of 1977 at its Garner Quarry in Garner, North Carolina. The order stated that a front-end loader was observed along the high wall of the number three level Barr pit without a berm in place. The loader’s bucket was observed clearing the edge of the wall and a tire was approximately eight feet from the edge of the wall. The Corporation constructed a berm at the opening and the order was terminated.

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 hereunto duly authorized.

MARTIN MARIETTA MATERIALS, INC.

(Registrant)

Date: September 11, 2012

By: /s/ Anne H. Lloyd

Anne H. Lloyd

Executive Vice President and Chief Financial Officer