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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 20549**

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**FORM 8-K**

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**CURRENT REPORT**

**PURSUANT TO SECTION 13 OR 15(D) OF THE  
SECURITIES EXCHANGE ACT OF 1934**

Date of report (Date of earliest event reported) August 30, 2011

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**Martin Marietta Materials, Inc.**

(Exact Name of Registrant as Specified in Its Charter)

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**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)

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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 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.**

Mr. Daniel G. Shephard, Executive Vice President of Martin Marietta Materials, Inc. (the "Company"), has resigned as of September 30, 2011. Mr. Shephard informed the Company that he is resigning his position as an officer of the Company to pursue personal interests.

**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: August 30, 2011

By: \_\_\_\_\_ /s/ Roselyn R. Bar  
Roselyn R. Bar,  
Senior Vice President and General Counsel