VULCAN MATERIALS CO
Reported by
SHEPHERD DANNY R

FORM 4
(Statement of Changes in Beneficial Ownership)

Filed 03/03/10 for the Period Ending 03/01/10

Address
1200 URBAN CENTER DRIVE
BIRMINGHAM, AL 35242

Telephone
2052983000

CIK
0001396009

Symbol
VMC

Fiscal Year
12/31
STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(f) of the Investment Company Act of 1940

1. Name and Address of Reporting Person *

SHEPHERD DANNY R
1200 URBAN CENTER DRIVE
BIRMINGHAM, AL 35242

2. Issuer Name and Ticker or Trading Symbol

Vulcan Materials CO [ VMC ]

3. Date of Earliest Transaction (MM/DD/YYYY)

3/1/2010

5. Relationship of Reporting Person(s) to Issuer

X Director

6. Individual or Joint/Group Filing (Check Applicable Line)

Form filed by One Reporting Person

Common Stock (Restricted Stock Units)

3/1/2010

F

36 (1) D

$43.055

7305

D

Common Stock (Restricted Stock Units)

3/1/2010

D

1651 (2) D

$43.055

5654

D

Explanation of Responses:

(1) Represents the portion of the shares of common stock received upon the vesting of the restricted stock units ('RSUs') that the reporting person has elected to surrender to the Company in payment of taxes associated with the vesting.

(2) Represents time-based restricted stock units ('RSUs') reported as shares of common stock. The reporting person has elected, upon the vesting thereof, to defer the receipt of these shares under the terms of the Company's Executive Deferred Compensation Plan.

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHEPHERD DANNY R</td>
<td>Director</td>
</tr>
<tr>
<td>1200 URBAN CENTER DRIVE</td>
<td>10% Owner</td>
</tr>
<tr>
<td>BIRMINGHAM, AL 35242</td>
<td>SVP, CMG-East</td>
</tr>
</tbody>
</table>
Signatures

Amy M. Tucker, Attorney-in-Fact  

3/3/2010 

** 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).


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 control number.