VULCAN MATERIALS CO
Reported by
SHEPHERD DANNY R

FORM 4
(Statement of Changes in Beneficial Ownership)

Filed 02/14/11 for the Period Ending 02/10/11

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)
   2/10/2011

5. Relationship of Reporting Person(s) to Issuer
   (Check all applicable)
   _____ Director
   ___ 10% Owner
   X Officer (give title below)
   ___ Other (specify below)
   SVP, CMG-East

6. Individual or Joint/Group Filing (Check Applicable Line)
   X Form filed by One Reporting Person
   ___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

<table>
<thead>
<tr>
<th>Title of Security</th>
<th>Date</th>
<th>Trans. Code</th>
<th>Amount</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>2/10/2011</td>
<td>M</td>
<td>978.0000</td>
<td>$44.0800</td>
</tr>
<tr>
<td>Common Stock</td>
<td></td>
<td>A</td>
<td>11714.0000</td>
<td>D</td>
</tr>
</tbody>
</table>

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

<table>
<thead>
<tr>
<th>Title of Derivative Security</th>
<th>Date</th>
<th>Trans. Code</th>
<th>Amount or Number of Shares</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance Share Units</td>
<td>2/10/2011</td>
<td>M</td>
<td>3700.0000</td>
</tr>
</tbody>
</table>

Explanation of Responses:

(1) Each performance unit is settled 100% in Vulcan common stock after deducting the amount of taxes due.

(2) Each performance unit is settled 100% in Vulcan common stock after deducting the amount of taxes due on a payment date determined by the Compensation Committee. Performance Share Units vest at December 31 following a three-year award period. At the end of the award period, the Compensation Committee determines the payment amount based on Company performance.

Reporting Owners

Reporting Owner Name / Address: SHEPHERD DANNY R
   1200 URBAN CENTER DRIVE
   BIRMINGHAM, AL 35242

Relationships: Director 10% Owner Officer SVP, CMG-East
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.