VULCAN MATERIALS CO
Reported by
OBRIEN RICHARD T

FORM 4
(Statement of Changes in Beneficial Ownership)

Filed 06/03/11 for the Period Ending 06/01/11

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 *
   
   OBRIEN RICHARD T
   
   (Last)  (First)  (Middle)
   
   1200 URBAN CENTER DRIVE
   
   (Street)
   
   BIRMINGHAM, AL 35242
   
   (City)  (State)  (Zip)

2. Issuer Name and Ticker or Trading Symbol
   
   Vulcan Materials CO [ VMC ]

3. Date of Earliest Transaction (MM/DD/YYYY)
   
   6/1/2011

4. If Amendment, Date Original Filed (MM/DD/YYYY)
   

5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
   
   ____ X Director  ____ 10% Owner
   
   ____ Officer (give title below)  ____ Other (specify below)

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>Trans. Date</th>
<th>Trans. Code</th>
<th>Deemed Execution Date, if any</th>
<th>Securities Acquired (A) or Disposed of (D)</th>
<th>Amount of Securities Beneficially Owned Following Reported Transaction(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phantom Stock</td>
<td>6/1/2011</td>
<td>V</td>
<td>(A)</td>
<td>2250.0000</td>
<td>2250.0000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6115.1770</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></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 Derivate Security</th>
<th>Conversion or Exercise Price of Derivate Security</th>
<th>Trans. Date</th>
<th>Trans. Code</th>
<th>Deemed Execution Date, if any</th>
<th>Number of Derivative Securities Acquired (A) or Disposed of (D)</th>
<th>Date Exercisable and Expiration Date</th>
<th>Title</th>
<th>Amount or Number of Shares</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phantom Stock (Deferred Stock Units)</td>
<td>(1)</td>
<td>6/1/2011</td>
<td>V</td>
<td>(A)</td>
<td>2250.0000</td>
<td>2250.0000</td>
<td>Common Stock</td>
<td>6115.1770</td>
</tr>
</tbody>
</table>

**Explanation of Responses:**

(1) Convertible on a 1-for-1 basis.

(2) Annual deferred stock grant made to the reporting person under the Vulcan Materials Company 2006 Omnibus Long-Term Incentive Plan.

(3) Deferred Stock Units vest on the third anniversary of the grant date. Vested shares will be delivered to the reporting person in the month of April following the year in which the reporting person ceases to be a member of the Board of Directors, unless the reporting person has elected to defer payment of the award, or unless payment is made earlier due to the death or disability of the reporting person or a change in control of Vulcan. The fair market value of the award is not determinable until the payment date.

**Reporting Owners**

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBRIEN RICHARD T</td>
<td>Director 10% Owner</td>
</tr>
<tr>
<td>1200 URBAN CENTER DRIVE</td>
<td>X</td>
</tr>
<tr>
<td>BIRMINGHAM, AL 35242</td>
<td></td>
</tr>
</tbody>
</table>
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.