FORM 4
(Statement of Changes in Beneficial Ownership)

Filed 06/19/12 for the Period Ending 06/15/12

Address
1200 URBAN CENTER DRIVE
BIRMINGHAM, AL 35242

Telephone 2052983000
CIK 0001396009
Symbol VMC
Fiscal Year 12/31
1. Name and Address of Reporting Person *  
CARROLL PHILIP J JR  
(Last)  (First)  (Middle)  
1200 URBAN CENTER DRIVE  
(Bottom)  (City)  (State)  (Zip)  
BIRMINGHAM, AL 35242

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

3. Date of Earliest Transaction (MM/DD/YYYY)  
6/15/2012

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

5. Relationship of Reporting Person(s) to Issuer  
(Select 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>1. Title of Security (Instr. 3)</th>
<th>2. Trans. Date</th>
<th>2A. Deemed Execution Date, if any</th>
<th>3. Trans. Code (Instr. 8)</th>
<th>4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>7. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phantom Stock (Deferred Compensation)</td>
<td>(1) 6/15/2012</td>
<td>A (2)</td>
<td>1489.9650</td>
<td>(3) (3)</td>
<td>Common Stock 1489.9650</td>
<td>$34.2290 25568.6080</td>
<td>D</td>
</tr>
</tbody>
</table>

Explanation of Responses:  
(1) Convertible on a 1-for-1 basis.  
(2) Director's fees credited to the reporting person's account in accordance with the Vulcan Materials Company Directors' Deferred Compensation Plan.  
(3) The units are to be settled in Vulcan common stock commencing at the retirement of the reporting person.

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARROLL PHILIP J JR 1200 URBAN CENTER DRIVE</td>
<td>X</td>
</tr>
</tbody>
</table>

Signatures  
Amy M. Tucker, Attorney-in-Fact  6/19/2012
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.