VULCAN MATERIALS CO
Reported by
TROSINO VINCENT J

FORM 4
(Statement of Changes in Beneficial Ownership)

Filed 12/18/12 for the Period Ending 12/17/12

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 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person *

TROSINO VINCENT J

__(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)

12/17/2012

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)

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

<table>
<thead>
<tr>
<th>Title of Security</th>
<th>Trans. Date</th>
<th>Code</th>
<th>Amount</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phantom Stock (Deferred Compensation)</td>
<td>12/17/2012</td>
<td>V</td>
<td>1007.8450</td>
<td>$50.6030</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 Derivative Security</th>
<th>Trans. Date</th>
<th>Code</th>
<th>Amount or Number of Shares</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phantom Stock (Deferred Compensation)</td>
<td></td>
<td>12/17/2012</td>
<td>V</td>
<td>1007.8450</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>TROSINO VINCENT J 1200 URBAN CENTER DRIVE</td>
<td>Director</td>
</tr>
</tbody>
</table>

Signature

Amy M. Tucker, Attorney-in-Fact

12/18/2012
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.