INITIAL STATEMENT OF 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 *
   Alvord Christina M
   (Last) (First) (Middle)
   C/O VULCAN MATERIALS COMPANY, 1200 URBAN CENTER DRIVE
   BIRMINGHAM, AL 35242

2. Date of Event Requiring Statement (MM/DD/YYYY)
   1/1/2017

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

4. Relationship of Reporting Person(s) to Issuer (Check all applicable)
   _____ Director
   ____ 10% Owner
   ___ X Officer (give title below)
   ___ Other (specify below)
   President, So and Gulf Co Div.

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

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 Beneficially Owned

<table>
<thead>
<tr>
<th>Title of Security</th>
<th>Amount of Securities Beneficially Owned</th>
<th>Ownership Form: Direct (D) or Indirect (I)</th>
<th>Nature of Indirect Beneficial Ownership</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock (401(k))</td>
<td>37.64</td>
<td>D</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>Date Exercisable and Expiration Date (MM/DD/YYYY)</th>
<th>Title and Amount of Securities Underlying Derivative Security</th>
<th>Conversion or Exercise Price of Derivative Security</th>
<th>Ownership Form of Derivative Security: Direct (D) or Indirect (I)</th>
<th>Nature of Indirect Beneficial Ownership</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance Share Units</td>
<td>12/31/2019 (1)</td>
<td>Common Stock 2000 (1)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Explanation of Responses:
Performance Share Units vest on December 31 at the end of the Performance Period. The Performance Period for this award began on January 1, 2016 and ends on December 31, 2019. At the end of the Performance Period, the Compensation Committee determines the amount based on Company performance relative to the S&P 500 Index, of which the Company is a member. The payment is made 100% in stock on a payment date determined by the Compensation Committee. 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>Alvord Christina M</td>
<td></td>
</tr>
<tr>
<td>C/O VULCAN MATERIALS COMPANY</td>
<td></td>
</tr>
<tr>
<td>1200 URBAN CENTER DRIVE</td>
<td></td>
</tr>
<tr>
<td>BIRMINGHAM, AL 35242</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Director</td>
</tr>
<tr>
<td></td>
<td>10% Owner</td>
</tr>
<tr>
<td></td>
<td>Officer</td>
</tr>
<tr>
<td></td>
<td>Other</td>
</tr>
<tr>
<td></td>
<td>President, So and Gulf Co Div.</td>
</tr>
</tbody>
</table>

Signatures

/s/ C. Samuel Todd, Attorney-in-Fact
1/10/2017

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 5(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.
POWER OF ATTORNEY

STATE OF ALABAMA
COUNTY OF JEFFERSON

The undersigned officer of Vulcan Materials Company, a New Jersey corporation, hereby nominates, constitutes and appoints Michael R. Mills, Jerry F. Perkins Jr., C. Samuel Todd and Jeanne Barlow, or any of them, the true and lawful attorneys of the undersigned to prepare, based on information provided by said officer, and sign the name of the undersigned to (1) any Form 3 required to be filed with the Securities and Exchange Commission (the “SEC”) under the Securities and Exchange Act of 1934, as amended (the "Exchange Act"), for and on behalf of said officer; (2) any Form 4 required to be filed with the SEC under the Exchange Act, for and on behalf of said officer and any and all amendments to said reports; and (3) any Form 5 of said officer to be filed with the SEC under the Exchange Act, for and on behalf of said officer and any and all amendments to said reports.

The undersigned hereby grants to said attorneys full power of substitution, resubstitution and revocation, all as fully as the undersigned could do if personally present, hereby ratifying all that said attorneys or their substitutes may lawfully do by virtue hereof.

IN WITNESS WHEREOF, the undersigned officer of Vulcan Materials Company has executed this Power of Attorney this 1st day of January, 2017.

/s/ Christina M. Alvord
Christina M. Alvord