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 – Mills Michael R
   (Last) (First) (Middle)
   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)
   2/8/2019

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

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

6. Individual or Joint/Group Filing
   (Check Applicable Line)
   _ 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 (Instr. 3)</th>
<th>Trans. Date</th>
<th>Trans. Code (Instr. 8)</th>
<th>Amount of Securities Acquired (A) or Disposed of (D) (Instr. 3 and 4)</th>
<th>Price</th>
<th>Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>2/8/2019</td>
<td>M</td>
<td>10579.00</td>
<td>A</td>
<td>51470.00</td>
</tr>
<tr>
<td>Common Stock</td>
<td>2/8/2019</td>
<td>F</td>
<td>3257.00</td>
<td>D</td>
<td>48213.00</td>
</tr>
<tr>
<td>Common Stock (401k)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>9826.22</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 (Instr. 3)</th>
<th>Conversion or Exercise Price of Derivative Security</th>
<th>Trans. Date</th>
<th>Trans. Code (Instr. 8)</th>
<th>Number of Derivative Securities Acquired or Disposed of (A) or (D) (Instr. 3 and 4)</th>
<th>Date Exercisable</th>
<th>Expiration Date</th>
<th>Title of Securities Underlying Derivative Security (Instr. 3 and 4)</th>
<th>Price of Derivative Security (Instr. 5)</th>
<th>Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)</th>
<th>Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance Share Units</td>
<td></td>
<td>2/8/2019</td>
<td>M</td>
<td>7100.00</td>
<td>12/31/2018</td>
<td></td>
<td>Common Stock</td>
<td>$101.86</td>
<td>0.00</td>
<td>Direct (D)</td>
<td>Indirect (I)</td>
</tr>
</tbody>
</table>

Explanation of Responses:

(1) Represents shares sold by the Company for tax withholding.
(2) Each performance unit is settled 100% in Vulcan common stock after deducting the amount of taxes due.
(3) 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 four-year award period. At the end of the award period, the Compensation Committee determines the payment amount based on pre-established performance criteria.

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mills Michael R</td>
<td>Director 10% Owner</td>
</tr>
<tr>
<td>1200 URBAN CENTER DRIVE</td>
<td>Officer</td>
</tr>
<tr>
<td>BIRMINGHAM, AL 35242</td>
<td>Chief Administrative Officer</td>
</tr>
</tbody>
</table>

Signatures

/s/ C. Samuel Todd, Attorney-in-Fact 2/12/2019

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.