VULCAN MATERIALS CO
Reported by
WASON ROBERT A IV

FORM 4
(Statement of Changes in Beneficial Ownership)

Filed 02/16/10 for the Period Ending 02/11/10

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 *

WASON ROBERT A IV

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)

2/11/2010

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)

Sr. VP, General Counsel

500 URBAN CENTER DRIVE

BIRMINGHAM, AL 35242

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>3. Trans. Code (Instr. 8)</th>
<th>4. Securities Acquired (A) or Disposed of (D) (Instr. 3 and 4)</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>Common Stock</td>
<td>2/11/2010</td>
<td>M</td>
<td>701</td>
<td>$42.83 (1)</td>
<td>28407</td>
<td>D</td>
</tr>
<tr>
<td>Common Stock</td>
<td></td>
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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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</thead>
<tbody>
<tr>
<td>Performance Share Units</td>
<td>$0 (2)</td>
<td>2/11/2010</td>
<td>M</td>
<td>1470</td>
<td>12/31/2009 (2)</td>
<td>Common Stock</td>
<td>1470</td>
<td>$0 (2)</td>
<td>0</td>
<td>D</td>
</tr>
<tr>
<td>Performance Share Units</td>
<td>$0 (3)</td>
<td>2/11/2010</td>
<td>A</td>
<td>3870</td>
<td>12/31/2012 (3)</td>
<td>Common Stock</td>
<td>3870</td>
<td>$0 (3)</td>
<td>3870</td>
<td>D</td>
</tr>
</tbody>
</table>

(1) Represents 2,226,574 Performance Share Units.
(2) Represents 1,085,737 Performance Share Units.
(3) Represents 3,893,882 Performance Share Units.

[ ] Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).
Table II - Derivative Securities Beneficially Owned (e.g. puts, calls, warrants, options, convertible securities)

<table>
<thead>
<tr>
<th>1. Title of Derivative Security (Instr. 3)</th>
<th>2. Conversion or Exercise Price of Derivative Security</th>
<th>3. Trans. Date</th>
<th>3A. Deemed Execution Date, if any</th>
<th>4. Trans. Code (Instr. 8)</th>
<th>5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>6. Date Exercisable and Expiration Date</th>
<th>7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)</th>
<th>8. Price of Derivative Security (Instr. 5)</th>
<th>9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4 and 5)</th>
<th>10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>11. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
</table>

Explanation of Responses:

(1) Each performance unit is settled 100% in Vulcan common stock after deducting the amount of taxes due.

(2) 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 three-year award period. At the end of the award period, the Compensation Committee determines the payment amount based on Company performance. The fair market value of the award is not determinable until the payment date.

(3) Performance Share Units vest at December 31 following a three-year award period. At the end of the award period, the Compensation Committee determines the payment amount based on Company performance. 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>WASON ROBERT A IV 1200 URBAN CENTER DRIVE BIRMINGHAM, AL 35242</td>
<td>Director 10% Owner Officer Sr. VP, General Counsel</td>
</tr>
</tbody>
</table>

Signatures

Amy M. Tucker, Attorney-in-Fact 2/16/2010

** Signature of Reporting Person

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.