

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

| | |
|--|-----------|
| OMB Number: | 3235-0104 |
| Estimated average burden hours per response: | 0.5 |

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* <u>Vaio Bruce A</u> <hr/> (Last) (First) (Middle) 2710 WYCLIFF ROAD <hr/> (Street) RALEIGH NC 27607 <hr/> (City) (State) (Zip) | 2. Date of Event Requiring Statement (Month/Day/Year) 11/15/2006 | 3. Issuer Name and Ticker or Trading Symbol <u>MARTIN MARIETTA MATERIALS INC [MLM]</u> <hr/> 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <p style="text-align: center;"><u>Executive VP</u></p> | 5. If Amendment, Date of Original Filed (Month/Day/Year) <hr/> 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person |
|--|--|--|---|

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock | 19,273 | D | |

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|-----------------|---|----------------------------|--|--|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | |
| Stock Options (Right to buy) | (1) | 08/19/2013 | Common Stock | 15,000 | 38.32 | D | |
| Stock Options (Right to buy) | (1) | 08/17/2014 | Common Stock | 15,000 | 42.38 | D | |
| Stock Options (Right to buy) | (1) | 08/19/2009 | Common Stock | 10,000 | 48 | D | |
| Stock Options (Right to buy) | (2) | 05/24/2013 | Common Stock | 4,686 | 61.05 | D | |
| Stock Options (Right to buy) | (2) | 05/22/2014 | Common Stock | 8,762 | 89.02 | D | |

Explanation of Responses:

1. Non-qualified stock option award granted under the Martin Marietta Materials, Inc. Amended and Restated Stock-Based Award Plan. Options become exercisable in three equal annual installments commencing one year from the date of grant.
2. Non-qualified stock option award granted under the Martin Marietta Materials, Inc. Amended and Restated Stock-Based Award Plan. Options become exercisable in four equal annual installments commencing one year from the date of grant.

Bruce A. Vaio
11/16/2006

** 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).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

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 Number.