Vulcan Materials CO Form 4 September 10, 2008

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL OMB

Washington, D.C. 20549

3235-0287 Number: January 31, Expires:

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if no longer subject to Section 16. Form 4 or

Check this box

2005 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF Estimated average

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Form 5 obligations may continue.

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

SECURITIES

30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * JAMES DONALD M			2. Issuer Name and Ticker or Trading Symbol Vulcan Materials CO [VMC]	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(Land (Eined (Middle)			(Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction			
1200 URBAN CENTER DRIVE		DRIVE	(Month/Day/Year) 09/09/2008	X Director 10% OwnerX Officer (give title Other (specify below) Chairman & CEO		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
BIRMINGHAM, AL 35242			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting PersonForm filed by More than One Reporting Person		

(City)	(State) (Z	Zip) Table	I - Non-De	erivative S	ecurit	ies Acqui	red, Disposed of	, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)	(1110111 1)	
Common Stock	09/09/2008		M	20,000	A	\$ 45.17	177,156	D	
Common Stock	09/09/2008		F	11,581 (1)	D	\$ 78	165,575	D	
Common Stock	09/09/2008		F	3,489 (2)	D	\$ 78	162,086	D	
Common Stock (401k)							24,758 (3)	D	
Common Stock							95,048 (3)	D	

(Restricted Stock Units)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	Secu Acqu or D: (D)	rities uired (A) isposed of r. 3, 4,	6. Date Exercisable Expiration Date (Month/Day/Year)		7. Title and A Underlying S (Instr. 3 and
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title
Stock Options (Right to Buy)	\$ 45.17	09/09/2008		M		20,000	02/11/2000(4)	02/11/2009	Common Stock
Performance Share Units	\$ 0 (5)						12/31/2009(5)	<u>(5)</u>	Common Stock
Performance Share Units	\$ 0 (5)						12/31/2010(5)	<u>(5)</u>	Common Stock
Phantom Stock (Deferred Comp DSUs/PSUs) (6)	\$ 0						<u>(7)</u>	<u>(7)</u>	Common Stock
Phantom Stock (Deferred Compensation)	\$ 0 (8)						<u>(9)</u>	<u>(9)</u>	Common Stock
Stock Appreciation Right	\$ 109.2						02/08/2008	02/08/2017	Common Stock
Stock Appreciation Right	\$ 70.69						02/07/2009	02/07/2018	Common Stock
Stock Options (Right to Buy)	\$ 42.34						02/10/2001(4)	02/10/2010	Common Stock
Stock Options (Right to Buy)	\$ 44.9						02/09/2002(4)	02/09/2011	Common Stock
	\$ 45.95						02/07/2003(4)	02/07/2012	

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Stock Options (Right to Buy)				Common Stock
Stock Options (Right to Buy)	\$ 31.47	01/01/2004(10)	02/13/2013	Common Stock
Stock Options (Right to Buy)	\$ 46.76	01/01/2005(10)	02/12/2014	Common Stock
Stock Options (Right to Buy)	\$ 57.1	12/31/2005(10)	02/10/2015	Common Stock
Stock Options (Right to Buy)	\$ 68.63	12/08/2005(11)	12/08/2015	Common Stock
Stock Options (Right to Buy)	\$ 69.31	01/24/2006(12)	01/24/2016	Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
JAMES DONALD M 1200 URBAN CENTER DRIVE BIRMINGHAM, AL 35242	X		Chairman & CEO				

Signatures

By: Amy M. Tucker, Attorney-in-Fact 09/10/2008

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(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).
- (1) Mature VMC shares deemed tendered for option exercise price.
- (2) Shares withheld by Company for tax withholding.
- Shares now being reported separately from Common Stock. Shares of various types were previously grouped together under the security titled Common Stock.
- (4) The option vests over five years in 20% increments each year on the anniversary of the grant date.
- 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.
- Represents time-based restricted stock units ('RSUs') reported as shares of common stock. The reporting person has elected, upon the vesting thereof, to defer the receipt of these shares under the terms of the Company's Executive Deferred Compensation Plan.
- (7) The units are to be settled in Vulcan common stock the year following the year of retirement of the reporting person.
- (8) Convertible on a 1-for-1 basis.

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- (9) The units are to be settled in Vulcan common stock commencing at the retirement of the reporting person.
- (10) The option vests over five years in 20% increments each year on December 31 following the grant date.
- (11) The option is fully vested as of the grant date, however, the sale of underlying shares is restricted until January 1, 2009.
- (12) The option is fully vested as of the grant date, however, the sale of underlying shares is restricted until January 24, 2009.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.