FARRELL W JAMES

Check this box if

no longer subject

to Section 16.

5 obligations

may continue. See Instruction

Form 4 or Form

Form 5

January 20, 2010

FORM 5 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL

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OWNERSHIP OF SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

Washington, D.C. 20549

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL

1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

Reported 30(h) of the Investment Company Act of 1940 Form 4

Transactions Reported

1. Name and Address of Reporting Person * FARRELL W JAMES	Issuer Name and Ticker or Trading Symbol M CO [MMM]	5. Relationship of Reporting Person(s) to Issuer			
(Last) (First) (Middle)	3. Statement for Issuer's Fiscal Year Ended	(Check all applicable)			
	(Month/Day/Year)	X Director 10% Owner			
	12/31/2009	Officer (give title Other (specification) below)			
207 WESTMINSTER, SUITE 202		below)			
(Street)	4. If Amendment, Date Original	6. Individual or Joint/Group Reporting			
	Filed(Month/Day/Year)	(check applicable line)			
LAKE FOREST, IL 60045		_X_ Form Filed by One Reporting Person			

Form Filed by More than One Reporting Person

(City)	(State)	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securit Acquired Disposed (Instr. 3,	(A) o of (D)	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	Â	Â	Â	Â	Â	Â	6,147 <u>(1)</u>	I	By Corporation	

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

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SEC 2270 (9-02)

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

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Title	e and	8. Price of
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	Number	Expiration D	ate	Amou	nt of	Derivative
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	lying	Security
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ties	(Instr. 5)
	Derivative				Securities	3		(Instr.	3 and 4)	
	Security				Acquired					
	•				(A) or					
					Disposed					
					of (D)					
					(Instr. 3,					
					4, and 5)					
					(A) (D)	ъ.	E	m: d		
					(A) (D)		Expiration			
						Exercisable	Date		or	
									Number	
									of	
									Shares	

D

Reporting Owners

Reporting Owner Name / Address	Relationships					
reporting of their states, states of	Director	10% Owner	Officer	Other		
FARRELL W JAMES 207 WESTMINSTER, SUITE 202 LAKE FOREST, IL 60045	ÂX	Â	Â	Â		

Signatures

George Ann Biros, attorney-in-fact for W. James
Farrell
01/20/2010

**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) Includes acquisition of deferred dividend reinvestment shares pursuant to 3M's Compensation Plan for Non-Employee Directors.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.

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