3M CO Form 4 August 16, 2006

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

3235-0287 Number: January 31, Expires:

2005

OMB APPROVAL

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Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * ESKEW MICHAEL L			Issuer Name and Ticker or Trading Symbol 3M CO [MMM]	5. Relationship of Reporting Person(s) to Issuer			
	(T)	20.11		(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction				
			(Month/Day/Year)	X Director 10% Owner			
55 GLENLAKE PARKWAY NE			08/14/2006	Officer (give title below) Other (specify below)			
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
ATLANTA,	GA 30328		Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(C:t-1)	(Stata)	(7in)					

(City)	(State)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned							
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securi	ties A	cquired	5. Amount of	6.	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	n(A) or D	ispose	d of (D)	Securities	Ownership	Indirect
(Instr. 3)		any	Code	(Instr. 3,	4 and	5)	Beneficially	Form:	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	Direct (D)	Ownership
							Following	or Indirect	(Instr. 4)
					(A)		Reported	(I)	
					(A)		Transaction(s)	(Instr. 4)	
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock (1)	08/14/2006		A	279	A	\$ 80.77	8,252	I	by Corporation

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

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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 Exerc	cisable and	7. Title and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	onNumber	Expiration D	ate	Amount of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e		Securities	(Instr. 5)	Bene
	Derivative				Securities	3		(Instr. 3 and 4)		Owne
	Security				Acquired					Follo
	·				(A) or					Repo
					Disposed					Trans
					of (D)					(Instr
					(Instr. 3,					`
					4, and 5)					
				G 1 W	(A) (B)	.	.	m: 1		
				Code V	(A) (D)	Date	•	Title Amount		
						Exercisable	Date	or		
								Number		
								of		
								Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

ESKEW MICHAEL L 55 GLENLAKE PARKWAY NE X ATLANTA, GA 30328

Signatures

By: George Ann Biros For: Michael L 08/16/2006 Eskew

> **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).

This nonemployee director has elected to defer all or a portion of compensation otherwise payable in cash to a common stock equivalents account under the terms of 3M's Director Compensation Plan and has no voting or investment powers with respect to such account. The indirectly-held common stock holding (by Corporation) reported in Table I includes deferred dividend reinvestment shares acquired pursuant to 3M's Director Compensation Plan.

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.

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