3M CO Form 4 August 11, 2009

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB Washington, D.C. 20549 Number:

Check this box if no longer subject to Section 16. Form 4 or

Form 5 obligations may continue.

See Instruction

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

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

1(b).

(Last)

Common

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * HENKEL HERBERT L

(First)

(Middle)

800-E BEATY STREET

(Street)

08/10/2009

DAVIDSON, NC 28036

2. Issuer Name and Ticker or Trading

Symbol

3M CO [MMM]

3. Date of Earliest Transaction

(Month/Day/Year) 08/10/2009

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

OMB APPROVAL

Expires:

response...

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

Issuer

(Check all applicable)

X_ Director 10% Owner Other (specify Officer (give title below)

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

Ownership

I

Person

5. Amount of

Securities

Owned

Following

Reported

Transaction(s)

Beneficially

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of 2. Transaction Date 2A. Deemed 4. Securities Acquired Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (Instr. 3) Code (D) (Month/Day/Year) (Instr. 8)

(Instr. 3, 4 and 5)

(A) Code V Amount (D) Price

416 (1) A

(Instr. 3 and 4)

8,199 (2)

(D) or Ownership Indirect (I) (Instr. 4) (Instr. 4)

Form: Direct Beneficial

By Corporation

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

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SEC 1474 (9-02)

7. Nature of

Indirect

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 Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)		4. Transactio	5. orNumber	6. Date Exerci Expiration Da		7. Title and Amount of	8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)	or Exercise Price of Derivative Security	(Monus Day/Tear)	execution Date, if any (Month/Day/Year)	Code (Instr. 8)	of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/Y e		Underlying Securities (Instr. 3 and 4)	Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)		Expiration Date	Title Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
reporting Owner Hume / Hudress	Director	10% Owner	Officer	Other			
HENKEL HERBERT L 800-E BEATY STREET DAVIDSON, NC 28036	X						

Signatures

George Ann Biros, attorney-in-fact for Herbert L. Henkel

08/11/2009 Date

**Signature of Reporting Person

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 non-employee director has elected to defer all or a portion of compensation otherwise payable in cash to a common stock equivalents (1) account under the terms of 3M's Compensation Plan for Non-Employee Directors and has no voting or investment powers with respect to such account.
- (2) Includes acquisition of deferred dividend reinvestment shares pursuant to 3M's Director Compensation Plan for Non-Employee Directors.

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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