3M CO Form 4 May 08, 2006

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

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**

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 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * IHLENFELD JAY V

(First)

(Middle)

(Zip)

2. Transaction Date 2A. Deemed

3M CENTER

(Last)

(City)

1.Title of

Security

(Instr. 3)

Common

Common

Common

Common

Stock

Stock

Stock

Stock

(State)

(Month/Day/Year)

05/04/2006

05/04/2006

ST. PAUL, MN 55144-1000

(Street)

2. Issuer Name and Ticker or Trading Symbol

3M CO [MMM]

(Month/Day/Year) 05/04/2006

4. If Amendment, Date Original

3. Date of Earliest Transaction

Filed(Month/Day/Year)

3. 4. Securities Acquired Execution Date, if Transaction(A) or Disposed of (D)

(Instr. 3, 4 and 5)

(A)

(D)

Α

D

D

Α

D

Price

\$ 64.4

Code (Month/Day/Year) (Instr. 8)

> M 364 F 271

> > F

F

Code V Amount

30

1.104

824

05/04/2006 05/04/2006 M

Common 05/04/2006 Stock

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

X Form filed by One Reporting Person

5. Relationship of Reporting Person(s) to

(Check all applicable)

VICE PRESIDENT R&D

6. Individual or Joint/Group Filing(Check

Issuer

below)

Director

Applicable Line)

X_ Officer (give title

28,849 86.255

\$ 64.4 29,129 **OMB APPROVAL**

OMB 3235-0287 Number:

January 31, Expires: 2005 Estimated average

burden hours per response...

0.5

10% Owner

Other (specify

Form filed by More than One Reporting Person 5. Amount of 7. Nature of Securities Ownership Indirect Beneficial Beneficially Form: Ownership Owned Direct (D) (Instr. 4) Following or Indirect Reported Transaction(s) (Instr. 4) (Instr. 3 and 4) 29,150 D 28,879 D D 29,953 D D

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Common Stock	05/04/2006	F	91	D	\$ 86.255	29,038	D	
Common Stock						2,665	I	by 401k/PAESOP Trust

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

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 control number.

SEC 1474

(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)	5. Number on Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Share
Non-Qualified Stock Option (right to buy)	\$ 64.4	05/04/2006		M	364	11/20/2002	05/12/2006	Common Stock	36
Non-Qualified Stock Option (right to buy)	\$ 64.4	05/04/2006		M	1,104	11/20/2002	05/12/2006	Common Stock	1,1

Reporting Owners

Reporting Owner Name / Address			Relationships	
•	Director 10% Owner		Officer	Other
IHLENFELD JAY V				
3M CENTER			VICE PRESIDENT R&D	
ST. PAUL, MN 55144-1000				

Signatures

By: George Ann Biros For: Jay V Ihlenfeld 05/08/2006

**Signature of Reporting Person Date

Reporting Owners 2

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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).

Remarks:

The indirectly-held common stock holding (401k/PAESOP) reported in Table I includes shares acquired during the fiscal year. The directly-held common stock holding reported in Table I includes shares acquired pursuant to 3M's Dividend Reinvestmen.

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.