3M CO Form 4 March 14, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

Number:

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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

1(b).

(Print or Type Responses)

| | Address of Reporting Y GEORGE W | Symbo | suer Name and Ticker or Trading ol CO [MMM] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | | | | | | | |
|--|---|--|---|--|--|--|--|--|--|--|--|--|
| (Last) (First) (Middle) 3M CENTER | | | te of Earliest Transaction th/Day/Year) 2/2007 | Director 10% Owner X Officer (give title Other (specify below) | | | | | | | | |
| CT DAIII | (Street) | Filed(1 | Amendment, Date Original Month/Day/Year) | 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting | | | | | | | | |
| S1. PAUL | ., MN 55144-1000 | O . | | Person | | | | | | | | |
| (City) | (State) | tate) (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) | Code (Instr. 3, 4 and 5) (Instr. 8) (A) or Code V Amount (D) Price | 5. Amount of Securities Ownership Indirect Beneficial Ownership Owned Direct (D) Following or Indirect Reported (I) Transaction(s) (Instr. 4) (Instr. 3 and 4) | | | | | | | | |
| Common Stock | 03/12/2007 | | F 22 (1) D \$ 74.945 | 194,550 <u>(2)</u> D | | | | | | | | |
| Common Stock | | | | 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 SEC 1474 | | | | | | | | | | | | |

number.

information contained in this form are not

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

| 1. Title o | of 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exer | cisable and | 7. Title | and | 8. Price of | 9. Nu |
|------------|---------------|---------------------|--------------------|-------------|------------|----------------------------------|-----------------|-----------|--------|-------------|--------|
| Derivativ | ve Conversion | (Month/Day/Year) | Execution Date, if | Transaction | orNumber | Expiration D | ate | Amount | of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Underly | ing | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securitie | es | (Instr. 5) | Bene |
| | Derivative | | | | Securities | | | (Instr. 3 | and 4) | | Own |
| | Security | | | | Acquired | | | | | | Follo |
| | | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | mount | | |
| | | | | | | Date Expiration Exercisable Date | Expiration Date | O: | | | |
| | | | | | | | | | lumber | | |
| | | | | C-J- V | (A) (D) | | | 0 | | | |
| | | | | Code v | (A) (D) | | | 3 | hares | | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

BUCKLEY GEORGE W 3M CENTER ST. PAUL, MN 55144-1000

CHAIRMAN OF THE BOARD & CEO

Signatures

By: George Ann Biros For: George William Buckley

03/14/2007

**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) Distribution of shares as a result of vesting of a portion of the restricted stock units (including shares withheld for taxes).
- (2) The directly-held common stock holding reported in Table I includes dividend units accrued quarterly on restricted stock units.

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 during the fiscal year pursuant to 3M's Common stock holding reported in Table I includes shares acquired during the fiscal year pursuant to 3M's Common stock holding reported in Table I includes shares acquired during the fiscal year.

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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