

Woodworth John K
 Form 4
 February 16, 2010

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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. Name and Address of Reporting Person *
 Woodworth John K

2. Issuer Name and Ticker or Trading Symbol
 3M CO [MMM]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 3M CENTER
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 02/11/2010

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

VICE PRESIDENT CORP SC OPERTNS

ST. PAUL, MN 55144-1000

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 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. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | Code | V | Amount | (D) | Price |
| Common Stock | 02/11/2010 | | M | | 2,306 | A | \$ 43.35 |
| Common Stock | 02/11/2010 | | F | | 1,245 | D | \$ 80.27 |
| Common Stock | 02/11/2010 | | M | | 17,380 | A | \$ 64.5 |
| Common Stock | 02/11/2010 | | S | | 80 | D | \$ 80.08 |
| Common Stock | 02/11/2010 | | S | | 1,100 | D | \$ 80.09 |

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| | | | | | | | |
|--------------|------------|---|-------|---|------------|--------|---|
| Common Stock | 02/11/2010 | S | 500 | D | \$ 80.1 | 29,827 | D |
| Common Stock | 02/11/2010 | S | 300 | D | \$ 80.11 | 29,527 | D |
| Common Stock | 02/11/2010 | S | 100 | D | \$ 80.115 | 29,427 | D |
| Common Stock | 02/11/2010 | S | 200 | D | \$ 80.119 | 29,227 | D |
| Common Stock | 02/11/2010 | S | 100 | D | \$ 80.125 | 29,127 | D |
| Common Stock | 02/11/2010 | S | 900 | D | \$ 80.13 | 28,227 | D |
| Common Stock | 02/11/2010 | S | 300 | D | \$ 80.14 | 27,927 | D |
| Common Stock | 02/11/2010 | S | 200 | D | \$ 80.1475 | 27,727 | D |
| Common Stock | 02/11/2010 | S | 1,400 | D | \$ 80.15 | 26,327 | D |
| Common Stock | 02/11/2010 | S | 200 | D | \$ 80.175 | 26,127 | D |
| Common Stock | 02/11/2010 | S | 300 | D | \$ 80.205 | 25,827 | D |
| Common Stock | 02/11/2010 | S | 300 | D | \$ 80.21 | 25,527 | D |
| Common Stock | 02/11/2010 | S | 1,500 | D | \$ 80.215 | 24,027 | D |
| Common Stock | 02/11/2010 | S | 3,300 | D | \$ 80.22 | 20,727 | D |
| Common Stock | 02/11/2010 | S | 100 | D | \$ 80.23 | 20,627 | D |
| Common Stock | 02/11/2010 | S | 1,200 | D | \$ 80.24 | 19,427 | D |
| Common Stock | 02/11/2010 | S | 500 | D | \$ 80.25 | 18,927 | D |
| Common Stock | 02/11/2010 | S | 100 | D | \$ 80.255 | 18,827 | D |
| Common Stock | 02/11/2010 | S | 1,400 | D | \$ 80.28 | 17,427 | D |
| Common Stock | 02/11/2010 | S | 300 | D | \$ 80.288 | 17,127 | D |
| | 02/11/2010 | S | 1,200 | D | \$ 80.29 | 15,927 | D |

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| | | | | | | | | |
|--------------|------------|--|---|-------|---|-----------|--------|---|
| Common Stock | | | | | | | | |
| Common Stock | 02/11/2010 | | S | 1,200 | D | \$ 80.3 | 14,727 | D |
| Common Stock | 02/11/2010 | | S | 200 | D | \$ 80.305 | 14,527 | D |
| Common Stock | 02/11/2010 | | S | 400 | D | \$ 80.31 | 14,127 | D |
| Common Stock | 02/11/2010 | | M | 2,504 | A | \$ 63.08 | 16,631 | D |

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.

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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. Transaction Code (Instr. 8) | 5. Number of 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 Amount of Underlying Security (Instr. 3 and 4) | | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--------|----------------------------|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Incentive Stock Option (Right to Buy) | \$ 43.35 | 02/11/2010 | | M | 2,306 | 05/09/2001 05/09/2010 | Common Stock | 2,306 | |
| Non-qualified Stock Option (Right to Buy) | \$ 64.5 | 02/11/2010 | | M | 17,380 | 05/15/2003 05/14/2012 | Common Stock | 17,380 | |
| Non-qualified Stock Option (Right to Buy) | \$ 63.08 | 02/11/2010 | | M | 2,504 | 12/17/2002 05/07/2010 | Common Stock | 2,504 | |

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer

Other

Woodworth John K
3M CENTER
ST. PAUL, MN 55144-1000

VICE PRESIDENT CORP SC OPERTNS

Signatures

George Ann Biros, attorney-in-fact for John K.
Woodworth

02/16/2010

__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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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