SAUER BRAD T Form 4 May 08, 2012

FORM 4

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

OMB 3235-0287

Check this box STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF Number: January 31, Expires: 2005

OMB APPROVAL

if no longer subject to Section 16. Form 4 or

SECURITIES

Estimated average burden hours per response... 0.5

Form 5 obligations may continue. See Instruction

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

1(b).

Common

Stock

05/04/2012

(Print or Type Responses)

| 1. Name and Address of Reporting Person * SAUER BRAD T | | | 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) | 3. Date of Earliest Transaction | (Check an applicable) | | |
| | | | (Month/Day/Year) | Director 10% Owner | | |
| 3M CENTER | | | 05/04/2012 | X Officer (give title Other (specify below) EXEC VP HEALTH CARE | | |
| (Street) | | | 4. If Amendment, Date Original | 6. Individual or Joint/Group Filing(Check | | |
| | | | Filed(Month/Day/Year) | Applicable Line) _X_ Form filed by One Reporting Person | | |
| ST. PAUL, MN 55144-1000 | | | | 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 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired (A) 5. Amount of 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction Disposed of (D) Securities Ownership Indirect (Instr. 3) (Instr. 3, 4 and 5) Code Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) Owned Direct (D) Ownership Following or Indirect (Instr. 4) Reported (A) Transaction(s) (Instr. 4) (Instr. 3 and 4) Code V Amount (D) Price Common 17,026 05/04/2012 M A \$ 84.4 33,232 D (1) Stock 16,206 Common F D 05/04/2012 \$88.67 17,026 D Stock (1) Common F D 05/04/2012 350 (1) D \$88.67 16,676 Stock Common 05/04/2012 M 14,215 Α \$ 76 30,891 D Stock

100

D

30,791

D

S

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| Common Stock | 05/04/2012 | S | 3,700 | D | \$ 88.595 | 27,091 | D |
|-----------------|------------|---|-------|---|---------------|--------|---|
| Common Stock | 05/04/2012 | S | 2,700 | D | \$ 88.6 | 24,391 | D |
| Common Stock | 05/04/2012 | S | 2,000 | D | \$ 88.605 | 22,391 | D |
| Common Stock | 05/04/2012 | S | 1,300 | D | \$ 88.61 | 21,091 | D |
| Common Stock | 05/04/2012 | S | 1,178 | D | \$ 88.63 | 19,913 | D |
| Common Stock | 05/04/2012 | S | 100 | D | \$ 88.6315 | 19,813 | D |
| Common Stock | 05/04/2012 | S | 2,400 | D | \$ 88.635 | 17,413 | D |
| Common Stock | 05/04/2012 | S | 637 | D | \$ 88.64 | 16,776 | D |
| Common Stock | 05/04/2012 | S | 100 | D | \$ 88.645 | 16,676 | D |
| Common Stock | 05/07/2012 | S | 1,118 | D | \$ 88.0519 | 15,558 | D |
| Common Stock | 05/07/2012 | S | 800 | D | \$ 88.0615 | 14,758 | D |
| Common Stock | 05/07/2012 | S | 300 | D | \$ 88.0616 | 14,458 | D |
| Common Stock | 05/07/2012 | S | 100 | D | \$ 88.0617 | 14,358 | D |
| Common Stock | 05/07/2012 | S | 800 | D | \$ 88.065 | 13,558 | D |

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

Security

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)

(Instr. 3, 4, and 5)

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

| Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | Number of | 6. Date Exercisable and | 7. Title and A |
|------------------------------|-------------|---------------------|--------------------|-------------|-----------------------------|-------------------------|----------------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transaction | orDerivative | Expiration Date | Underlying S |
| Security | or Exercise | | any | Code | Securities Acquired | (Month/Day/Year) | (Instr. 3 and |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | (A) or Disposed of | | |
| | Derivative | | • | | (D) | | |

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| | | | Code V | 7 (A) | (D) | Date Exercisable | Expiration Date | Title |
|---|----------|------------|--------|--------|---------------|---------------------|--------------------|-----------------|
| Non-qualified Stock Option (Right to Buy) | \$ 84.4 | 05/04/2012 | M | | 17,026 (1) | 05/12/2005 | 05/09/2014 | Common Stock |
| Non-qualified Stock Option (Right to Buy) | \$ 76 | 05/04/2012 | M | | 14,215 | 04/27/2010 | 05/13/2013 | Common Stock |
| Non-qualified Stock Option (Right to Buy) | \$ 88.67 | 05/04/2012 | A | 16,556 | | 11/04/2012 | 05/09/2014 | Common Stock |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

SAUER BRAD T

3M CENTER EXEC VP HEALTH CARE

ST. PAUL, MN 55144-1000

Signatures

George Ann Biros, attorney-in-fact for Brad T.
Sauer
05/08/2012

**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 Form is being filed to report the exercise of a 3M stock option for a total of 17,026 shares by means of a stock swap. A stock swap is a method of exercising a stock option in which the option holder attests to the ownership of enough shares of stock already owned by the

option holder to cover the exercise price of the option being exercised. As a result of this stock swap, the reporting person acquired ownership of an additional 470 shares of 3M common stock. As a result of this transaction, 350 shares were sold to pay withholding taxes to the respective government agencies.

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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