

McGrath Marlene Mary
 Form 4/A
 February 19, 2013

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 *
 McGrath Marlene Mary

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

ST. PAUL, MN 55144-1000

(City) (State) (Zip)

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

3. Date of Earliest Transaction
 (Month/Day/Year)
 02/05/2013

4. If Amendment, Date Original Filed(Month/Day/Year)
 02/07/2013

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 Sr VP - Human Resources

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

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 or (D) Price | | |
| Common Stock | 02/05/2013 | | A | | 3,218.16 (1) | A | \$ 0 5,446.16 D |
| Common Stock | 02/05/2013 | | F | | 1,116.16 (1) | D | \$ 101.49 4,330 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.

SEC 1474
 (9-02)

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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 Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
| | | | | | | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| | | | | | | Code | V | (A) | (D) |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|-------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| McGrath Marlene Mary 3M CENTER ST. PAUL, MN 55144-1000 | | | Sr VP - Human Resources | |

Signatures

/s/ George Ann Biros, attorney-in-fact for Marlene M. McGrath 02/19/2013

__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) On February 7, 2013, the reporting person reported the imminent delivery of a number of shares of 3M Common Stock earned as a result of the 2010 performance shares awarded to the reporting person under the 3M Long-Term Incentive Plan. The number of shares to be withheld from this delivery for the payment of withholding taxes was unknown at that time. This amendment is being filed to update the Form 4 with the number of shares actually received after withholding taxes
- 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.