Meline David W Form 4 September 02, 2010

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

Check this box

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

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

Meline David W

3M CENTER

Security

(Instr. 3)

2. Issuer Name and Ticker or Trading Symbol

3M CO [MMM]

(First) (Middle) (Last)

(Month/Day/Year) 09/01/2010

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

3. Date of Earliest Transaction

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

Director 10% Owner X_ Officer (give title Other (specify

below) below)

VP CORP CNTRLR & CF ACCTG OFCR

Applicable Line) _X_ Form filed by One Reporting Person

6. Individual or Joint/Group Filing(Check

Form filed by More than One Reporting Person

ST PAUL, MN 55144-1000

(City) (State) (Zip) 1. Title of 2. Transaction Date 2A. Deemed

(Month/Day/Year)

3. 4. Securities Execution Date, if TransactionAcquired (A) or

Code Disposed of (D) (Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8)

Code V Amount (D) Price

(A)

5. Amount of Securities Beneficially Owned Following Reported

> Transaction(s) (Instr. 3 and 4)

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

(I)

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

(Instr. 4) (Instr. 4)

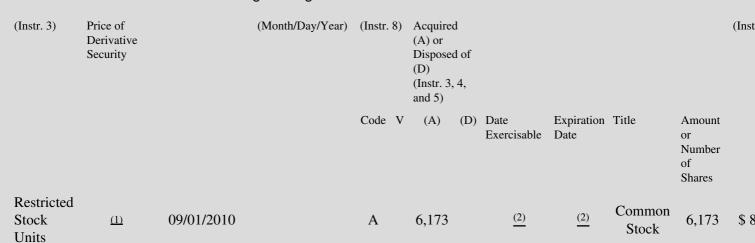
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

1. Title of 3. Transaction Date 3A. Deemed 4. 5. Number 6. Date Exercisable and 7. Title and Amount of 8. Pr Derivative Conversion (Month/Day/Year) Execution Date, if Transaction of Derivative Expiration Date **Underlying Securities** Deri Code Securities Security or Exercise any (Month/Day/Year) (Instr. 3 and 4) Secu

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Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Meline David W 3M CENTER ST PAUL, MN 55144-1000

VP CORP CNTRLR & CF ACCTG OFCR

Signatures

/s/ George Ann Biros, attorney-in-fact for David W.
Meline

09/02/2010

**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).
- (1) Each restricted stock unit represents a contingent right to receive one share of 3M common stock.
- (2) The restricted stock units will vest 100% three years from the grant date (9/1/10)

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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