Harlan Joe E Form 4 February 10, 2010

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

obligations may continue. See Instruction 1(b).

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)

(Last)

3M CENTER

Security

(Instr. 3)

1. Name and Address of Reporting Person * Harlan Joe E

(First)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

3M CO [MMM]

(Middle)

3. Date of Earliest Transaction

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

(Check all applicable)

(Month/Day/Year) 02/09/2010

below) EXEC VP ELECTRO & COMMUN

(Street) 4. If Amendment, Date Original

Execution Date, if

(Month/Day/Year)

Filed(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

Person

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

ST. PAUL, MN 55144-1000

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

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of 6. Ownership Securities Form: Direct Beneficially Owned (I) Following (Instr. 4)

7. Nature of Indirect (D) or Indirect Beneficial Ownership (Instr. 4)

(A)

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

Code V Amount (D) Price

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 of 6. Date Exercisable and 7. Title and Amou Derivative Conversion (Month/Day/Year) Execution Date, if Transaction Derivative **Expiration Date** Underlying Securi Securities Security or Exercise Code (Month/Day/Year) (Instr. 3 and 4) any

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(Instr. 3)	Derivative Security		(Month/Day/Year)	(Instr. 8)	Acquired (A or Disposed (D) (Instr. 3, 4, and 5)				
				Code V	(A) (I	D) Date Exercisable	Expiration Date	Title	Amo or Nun of S
Restricted Stock Units	(1)	02/09/2010		A	10,163	(2)	(2)	Common Stock	10,
Non-qualified Stock Option (Right to Buy)	\$ 78.72	02/09/2010		A	50,166 (3)	02/09/2011	02/07/2020	Common Stock	50,

OM 4/D /W) /I (0) A . . . 1/A)

Reporting Owners

Reporting Owner Name / Address	Relationships

Director 10% Owner Officer Other

Harlan Joe E EXEC VP
3M CENTER ELECTRO &
ST. PAUL, MN 55144-1000 COMMUN

Signatures

George Ann Biros, attorney-in-fact for Joe E. Harlan 02/10/2010

**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 in equal installments on each of the first three anniversaries of the grant date (2/9/2010).
- (3) This option becomes exercisable in equal installments on each of the first three anniversaries of the grant date (2/9/2010).

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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