Harlan Joe E Form 5 January 12, 2010

FORM 5

OMB APPROVAL

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

OMB 3235-0362 Number: January 31,

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

Check this box if

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL

2005 Estimated average burden hours per response... 1.0

Expires:

may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

OWNERSHIP OF SECURITIES

Reported Form 4

30(h) of the Investment Company Act of 1940

Transactions Reported

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer Harlan Joe E Symbol 3M CO [MMM] (Check all applicable) (Last) (First) (Middle) 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) Director 10% Owner _X__ Officer (give title 12/31/2009 _ Other (specify below) below) 3M CENTER EXEC VP ELECTRO & COMMUN (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line)

ST. PAUL, MNÂ 55144-1000

(State)

(Zin)

(City)

X 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 Beneficiall							cially 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. Securiti (A) or Dis (D) (Instr. 3, 4)	sposed	of	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	12/10/2009	Â	G	130	D	\$0	45,947	D	Â
Common Stock	12/18/2009	Â	G	155	D	\$ 0	45,792	D	Â
Common Stock	12/31/2009	Â	J <u>(1)</u>	12,937	D	\$ (2)	32,855	D	Â
Common Stock	12/31/2009	Â	J <u>(1)</u>	25,481	D	\$ <u>(2)</u>	7,374 (3)	D	Â

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By Common Â Â Â ÂÂ 1,070 Ι 401k/paesop Stock Trust

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

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SEC 2270

(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned	l
(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)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units	Â	12/31/2009	Â	J <u>(1)</u>	12,937	Â	(4)	(4)	Common Stock	12,937
Restricted Stock Units	Â	12/31/2009	Â	J <u>(1)</u>	25,481	Â	(5)	(5)	Common Stock	25,481

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

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

Signatures

George Ann Biros, attorney-in-fact for Joe E. 01/12/2010 Harlan

> **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).
- Due to reporting automation changes instituted by Issuer's stock plan vendor, the reporting person's restricted stock units will be reported on Table II going forward. This transaction indicates the number of restricted stock units that will be transferred to Table II.
- (2) Each restricted stock unit represents a contingent right to receive one share of 3M common stock.

Reporting Owners 2

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- (3) Includes shares acquired under 3M's General Employee Stock Purchase Plan; includes shares acquired under 3M's Dividend Reinvestment Program.
- (4) The restricted stock units will vest 100% three years from the grant date (2/9/2009)
- (5) The restricted stock units will vest 100% three years from the grant date (3/3/2008).

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.