

Harlan Joe E  
 Form 5  
 January 12, 2010

**FORM 5**

**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).  
 Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL 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

1. Name and Address of Reporting Person \*  
 Harlan Joe E  
 (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. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
 12/31/2009

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

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 EXEC VP ELECTRO & COMMUN

6. Individual or Joint/Group Reporting  
 (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 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)
				(A) or (D) Amount Price			
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 <sup>(1)</sup>	12,937 D \$ <sup>(2)</sup>	32,855	D	Â
Common Stock	12/31/2009	Â	J <sup>(1)</sup>	25,481 D \$ <sup>(2)</sup>	7,374 <sup>(3)</sup>	D	Â

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Common Stock	Â	Â	Â	Â	Â	Â	1,070	I	By 401k/paesop Trust
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

**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)	
						Date Exercisable (A)	Expiration Date (D)	Title	Amount or Number of Shares
Restricted Stock Units	Â	12/31/2009	Â	J <sup>(1)</sup>	12,937	Â	Â <sup>(4)</sup>	Â <sup>(4)</sup>	Common Stock 12,937
Restricted Stock Units	Â	12/31/2009	Â	J <sup>(1)</sup>	25,481	Â	Â <sup>(5)</sup>	Â <sup>(5)</sup>	Common Stock 25,481

## Reporting Owners

Reporting Owner Name / Address	Relationships				
	Director	10% Owner	Officer	Other	
Harlan Joe E 3M CENTER ST. PAUL, MN 55144-1000	Â	Â	Â	EXEC VP ELECTRO & COMMUN	Â

## Signatures

George Ann Biros, attorney-in-fact for Joe E. Harlan	01/12/2010
**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).
- 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.
  - Each restricted stock unit represents a contingent right to receive one share of 3M common stock.

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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.