

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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 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) 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 ⁽¹⁾	12,937 D \$ ⁽²⁾	32,855	D	Â
Common Stock	12/31/2009	Â	J ⁽¹⁾	25,481 D \$ ⁽²⁾	7,374 ⁽³⁾	D	Â

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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).

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