

FORM 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL	
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ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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.

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person * GRENZ M KAY (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]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) Vice President HR
	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2004	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	

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)
				Amount	(A) or (D)	Price			
Common Stock ⁽²⁾							51,932	D	
Common Stock ⁽¹⁾							3,849	I	by 401k/PAESOP
Common Stock							462	I	by Daughter

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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Incentive Stock Option (right to buy)	\$58.625						05/08/2002	05/08/2011	Common Stock	1,704		1,704	D	
Non-Qualified Stock Option (right to buy)	\$61.85						05/14/2004	05/12/2013	Common Stock	35,861		35,861	D	
Non-Qualified Stock Option (right to buy)	\$63.225						12/11/2002	05/11/2007	Common Stock	6,876		6,876	D	
Non-Qualified Stock Option (right to buy)	\$63.225						12/11/2002	05/12/2008	Common Stock	8,942		8,942	D	
Non-Qualified Stock Option (right to buy)	\$63.225						12/11/2002	05/07/2010	Common Stock	7,330		7,330	D	
Non-Qualified Stock Option (right to buy)	\$64.5						05/15/2003	05/14/2012	Common Stock	44,000		44,000	D	
Non-Qualified Stock Option (right to buy)	\$64.875						12/17/2003	05/06/2005	Common Stock	3,316		3,316	D	
Non-Qualified Stock Option (right to buy)	\$64.875						12/17/2003	05/12/2008	Common Stock	6,690		6,690	D	
Non-Qualified Stock Option (right to buy)	\$64.875						12/17/2003	05/11/2009	Common Stock	15,688		15,688	D	
Non-Qualified Stock Option (right to buy)	\$64.875						12/17/2003	05/06/2011	Common Stock	6,180		6,180	D	
Non-Qualified Stock Option (right to buy)	\$84						11/14/2004	05/06/2005	Common Stock	601		601	D	

**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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Non-Qualified Stock Option (right to buy)	\$84						11/14/2004	05/12/2006	Common Stock	4,288		4,288	D	
Non-Qualified Stock Option (right to buy)	\$84						11/14/2004	05/07/2010	Common Stock	6,367		6,367	D	
Non-Qualified Stock Option (right to buy)	\$84						11/14/2004	05/06/2011	Common Stock	25,259		25,259	D	
Non-Qualified Stock Option (right to buy)	\$84						11/14/2004	05/13/2013	Common Stock	4,638		4,638	D	
Non-Qualified Stock Option (right to buy)	\$84.4						05/12/2005	05/09/2014	Common Stock	40,810		40,810	D	

Explanation of Responses:

- This indirectly-held common stock holding (401k/PAESOP) reported in Table I includes shares acquired during the fiscal year pursuant to the 3M Voluntary Investment Plan.
- The directly-held common stock holding reported in Table I includes shares acquired pursuant to 3M's Dividend Reinvestment Program in transactions exempt from Section 16.

By: George Ann Biros For: M Kay Grenz 02/03/2005

** Signature of Reporting Person Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.