

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

1. Name and Address of Reporting Person * <u>GRENZ M KAY</u> (Last) (First) (Middle) (Street) (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>3M CO [MMM]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title below) Other (specify below) VICE PRESIDENT HR
	3. Date of Earliest Transaction (Month/Day/Year) <u>05/14/2004</u>	
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 Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	05/14/2004		M		740	A	\$60.725	42,060	D	
Common Stock	05/14/2004		F		535	D	\$83.97	41,525	D	
Common Stock	05/14/2004		F		66	D	\$83.97	41,459	D	
Common Stock	05/14/2004		M		5,270	A	\$60.725	46,729	D	
Common Stock	05/14/2004		F		3,811	D	\$83.97	42,918	D	
Common Stock	05/14/2004		F		477	D	\$83.97	42,441	D	
Common Stock	05/14/2004		M		7,826	A	\$60.725	50,267	D	
Common Stock	05/14/2004		F		5,659	D	\$83.97	44,608	D	
Common Stock	05/14/2004		F		708	D	\$83.97	43,900	D	
Common Stock	05/14/2004		M		31,700	A	\$58.625	75,600	D	
Common Stock	05/14/2004		F		22,131	D	\$83.97	53,469	D	
Common Stock	05/14/2004		F		3,128	D	\$83.97	50,341	D	
Common Stock	05/14/2004		M		5,639	A	\$61.85	55,980	D	
Common Stock	05/14/2004		F		4,153	D	\$83.97	51,827	D	
Common Stock	05/14/2004		F		485	D	\$83.97	51,342	D	
Common Stock								3,791	I	by 401k/PAESOP Trust
Common Stock								456	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)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Non-Qualified Stock Option (right to buy)	\$58.625	05/14/2004		M			31,700	05/08/2002	05/08/2011	Common Stock	31,700	\$0	0	D	
Non-Qualified Stock Option (right to buy)	\$60.725	05/14/2004		M			740	12/06/2001	05/06/2005	Common Stock	740	\$0	0	D	
Non-Qualified Stock Option (right to buy)	\$60.725	05/14/2004		M			5,270	12/06/2001	05/12/2006	Common Stock	5,270	\$0	0	D	
Non-Qualified Stock Option (right to buy)	\$60.725	05/14/2004		M			7,826	12/06/2001	05/09/2010	Common Stock	7,826	\$0	0	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)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Non-Qualified Stock Option (right to buy)	\$61.85	05/14/2004		M			5,639	05/14/2004	05/12/2013	Common Stock	5,639	\$0	35,861	D	
Non-Qualified Stock Option (right to buy)	\$84	05/14/2004		A		601		11/14/2004	05/06/2005	Common Stock	601	\$0	601	D	
Non-Qualified Stock Option (right to buy)	\$84	05/14/2004		A		4,288		11/14/2004	05/12/2006	Common Stock	4,288	\$0	4,288	D	
Non-Qualified Stock Option (right to buy)	\$84	05/14/2004		A		6,367		11/14/2004	05/07/2010	Common Stock	6,367	\$0	6,367	D	
Non-Qualified Stock Option (right to buy)	\$84	05/14/2004		A		25,259		11/14/2004	05/06/2011	Common Stock	25,259	\$0	25,259	D	
Non-Qualified Stock Option (right to buy)	\$84	05/14/2004		A		4,638		11/14/2004	05/13/2013	Common Stock	4,638	\$0	4,638	D	

Explanation of Responses:

By: George Ann Biros For: M Kay Grenz 05/14/2004

** 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.

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