

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

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 * PALENSKY FRED J (Last) (First) (Middle) (Street) (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 ENTERPRISE SVCS
	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 ⁽¹⁾	10/05/2004		J	214 ⁽²⁾	A	\$0	214	I	by Daughter
Common Stock							27,485	D	
Common Stock							3,100	I	by 401k/PAESOP Trust

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)	\$43.35						05/09/2001	05/09/2010	Common Stock	2,306		2,306	D	
Incentive Stock Option (right to buy)	\$46.675						05/12/1999	05/12/2008	Common Stock	1,071		1,071	D	
Incentive Stock Option (right to buy)	\$47.5						05/13/1998	05/10/2009	Common Stock	2,104		2,104	D	
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)	\$58.625						05/08/2002	05/08/2011	Common Stock	40,987		40,987	D	
Non-Qualified Stock Option (right to buy)	\$61.85						05/14/2004	05/12/2013	Common Stock	40,000		40,000	D	
Non-Qualified Stock Option (right to buy)	\$62.85						10/26/2002	05/06/2005	Common Stock	4,186		4,186	D	
Non-Qualified Stock Option (right to buy)	\$62.85						10/26/2002	05/12/2006	Common Stock	2,512		2,512	D	
Non-Qualified Stock Option (right to buy)	\$63.525						07/07/2003	01/07/2013	Common Stock	24,002		24,002	D	
Non-Qualified Stock Option (right to buy)	\$64.5						05/15/2003	05/14/2012	Common Stock	46,200		46,200	D	
Non-Qualified Stock Option (right to buy)	\$84.4						05/12/2005	05/09/2014	Common Stock	44,891		44,891	D	
Non-Qualified Stock Option (right to buy)	\$85.5						10/22/2004	05/11/2009	Common Stock	5,235		5,235	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)	\$85.5						10/22/2004	05/06/2011	Common Stock	9,705		9,705	D	

Explanation of Responses:

- The directly-held common stock holding reported in Table I includes shares acquired during the fiscal year pursuant to 3M's General Employee Stock Purchase Plan. The 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 reporting person disclaims beneficial ownership of these securities and this report shall not be deemed an admission that the reporting person is the beneficial owner of such securities for purposes of Section 16 or for any other purpose.

By: George Ann Biros For:
Frederick Joseph Palensky

12/31/2004

** 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.

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.