McGrath Marlene Mary Form 3 April 11, 2012 FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 OMB 2225 O

INITIAL STATEMENT OF 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

(Print or Type Responses)

1. Name and A Person <u>*</u> McGrath			2. Date of Event Requiring Statement (Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol 3M CO [MMM]					
(Last)	(First)	(Middle)	04/04/2012	4. Relationship of Reporting Person(s) to Issuer			5. If Amendment, Date Original Filed(Month/Day/Year)		
3M CENTE	R			(61 1					
(Street) ST. PAUL, MN 55144-1000				Director X Officer (give title below			 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person 		
(City)	(State)	(Zip)	Table I - N	Non-Derivat	ive Securiti	es Be	neficially Owned		
1.Title of Secu (Instr. 4)	rity		2. Amount of Beneficially (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owne (Instr.	•		
Common St	ock		1,949		D	Â			
Reminder: Rep owned directly	-		ach class of securities benefici	ially S	EC 1473 (7-02)			
	inforr requi	mation conta red to respo	pond to the collection of ained in this form are not ond unless the form displ MB control number.						
ï	Fable II - De	rivative Secu	rities Beneficially Owned (e.	.g., puts, calls,	warrants, opt	tions, c	onvertible securities)		

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of	5. Ownership Form of Derivative	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	Derivative Security	Security: Direct (D) or Indirect	(1150.5)

3235-0104

January 31,

2005

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				Shares		(I) (Instr. 5)	
Restricted Stock Units	(2)	(2)	Common Stock	911	\$ <u>(1)</u>	D	Â
Non-qualified Stock Option (Right to Buy)	05/12/2005	05/09/2014	Common Stock	2,020	\$ 84.4	D	Â
Non-qualified Stock Option (Right to Buy)	05/09/2007	05/09/2016	Common Stock	2,236	\$ 87.35	D	Â
Non-qualified Stock Option (Right to Buy)	05/08/2008	05/08/2017	Common Stock	2,560	\$ 84.78	D	Â
Non-qualified Stock Option (Right to Buy)	05/13/2009	05/13/2018	Common Stock	1,131	\$ 77.18	D	Â
Non-qualified Stock Option (Right to Buy)	02/09/2010	02/08/2019	Common Stock	1,335	\$ 54.11	D	Â
Non-qualified Stock Option (Right to Buy) (3)	02/09/2011	02/07/2020	Common Stock	4,100	\$ 78.72	D	Â
Non-qualified Stock Option (Right to Buy) (4)	02/08/2012	02/08/2021	Common Stock	3,573	\$ 89.47	D	Â
Non-qualified Stock Option (Right to Buy) (5)	02/07/2013	02/07/2022	Common Stock	5,360	\$ 87.89	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
McGrath Marlene Mary 3M CENTER ST. PAUL, MN 55144-1000	Â	Â	Sr VP - Human Resources	Â		
Signatures						

Signatures

/s/ George Ann Biros, attorney-in-fact for Marlene M. McGrath <u>**</u>Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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).
- (1) Each restricted stock unit represents a contingent right to receive one share of 3M common stock.
- (2) The restricted stock units will vest on 2/9/2013.
- (3) This option becomes exercisable in equal installments on each of the first three anniversaries of the grant date (2/9/2010).
- (4) This option becomes exercisable in equal installments on each of the first three anniversaries of the grant date (2/8/2011).
- (5) This option becomes exercisable in equal installments on each of the first three anniversaries of the grant date (2/7/2012).

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

Reporting Owners

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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.