

McGrath Marlene Mary
 Form 3
 April 11, 2012

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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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 Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â McGrath Marlene Mary		(Month/Day/Year)	3M CO [MMM]	
(Last)	(First)	(Middle)	04/04/2012	
3M CENTER			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
ST. PAUL,Â MNÂ 55144-1000			<input type="checkbox"/> Director	<input type="checkbox"/> 10% Owner
(City)	(State)	(Zip)	<input checked="" type="checkbox"/> Officer	<input type="checkbox"/> Other
			(give title below)	(specify below)
			Sr VP - Human Resources	6. Individual or Joint/Group Filing(Check Applicable Line)
				<input checked="" type="checkbox"/> Form filed by One Reporting Person
				<input type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	1,949	D	Â

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible 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 Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of	

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				Shares		(I) (Instr. 5)	
Restricted Stock Units	Â (2)	Â (2)	Common Stock	911	\$ (1)	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	Â Sr VP - Human Resources	Â

Signatures

/s/ George Ann Biros, attorney-in-fact for Marlene M. McGrath 04/11/2012

**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.

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