

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL	
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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>MacDonald Robert D III</u> (Last) (First) (Middle) 3M CENTER (Street) ST. PAUL MN 55144-1000 (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 MARKETING
	3. Date of Earliest Transaction (Month/Day/Year) 07/27/2010	
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	02/01/2010		G	V	93	D	\$0	27,222	D	
Common Stock	07/27/2010		M		15,800	A	\$64.5	43,022	D	
Common Stock	07/27/2010		F		11,740	D	\$86.8	31,282	D	
Common Stock	07/27/2010		F		1,327	D	\$86.8	29,955	D	
Common Stock	07/27/2010		M		17,380	A	\$61.85	47,335	D	
Common Stock	07/27/2010		F		12,384	D	\$86.8	34,951	D	
Common Stock	07/27/2010		F		1,825	D	\$86.8	33,126	D	
Common Stock	07/27/2010		M		4,182	A	\$58.625	37,308	D	
Common Stock	07/27/2010		F		2,824	D	\$86.8	34,484	D	
Common Stock	07/27/2010		F		579	D	\$86.8	33,905 ⁽¹⁾	D	
Common Stock								2,604 ⁽²⁾	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)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Non-qualified Stock Option (Right to Buy)	\$58.625	07/27/2010		M			4,182	05/08/2002	05/06/2011	Common Stock	4,182	\$0	0	D	
Non-qualified Stock Option (Right to Buy)	\$64.5	07/27/2010		M			15,800	05/15/2003	05/14/2012	Common Stock	15,800	\$0	0	D	
Non-qualified Stock Option (Right to Buy)	\$61.85	07/27/2010		M			17,380	05/14/2004	05/12/2013	Common Stock	17,380	\$0	0	D	
Non-qualified Stock Option (Right to Buy)	\$86.8	07/27/2010		A		3,403		01/27/2011	05/06/2011	Common Stock	3,403	\$86.8	3,403	D	
Non-qualified Stock Option (Right to Buy)	\$86.8	07/27/2010		A		14,209		01/27/2011	05/13/2013	Common Stock	14,209	\$86.8	14,209	D	
Non-qualified Stock Option (Right to Buy)	\$86.8	07/27/2010		A		13,067		01/27/2011	05/14/2012	Common Stock	13,067	\$86.8	13,067	D	

Explanation of Responses:

- 1. Includes shares acquired under 3M's General Employee Stock Purchase Plan.
- 2. Includes shares acquired during the fiscal year pursuant to the 3M Voluntary Investment Plan.

George Ann Biros, attorney-in-fact
for Robert D. MacDonald III 07/29/2010

** 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.