

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>SAUER BRAD T</u> (Last) (First) (Middle) <u>3M CENTER</u> (Street) <u>ST. PAUL MN 55144-1000</u> (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) EXEC VP HEALTH CARE
	3. Date of Earliest Transaction (Month/Day/Year) <u>02/16/2012</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	02/16/2012		M ⁽¹⁾		20,600	A	\$64.5	47,767	D	
Common Stock	02/16/2012		F		15,159	D	\$87.65	32,608	D	
Common Stock	02/16/2012		F		2,323	D	\$87.65	30,285	D	
Common Stock	02/16/2012		S		3	D	\$86.94	30,282	D	
Common Stock	02/16/2012		S		3	D	\$86.95	30,279	D	
Common Stock	02/16/2012		S		203	D	\$86.96	30,076	D	
Common Stock	02/16/2012		S		203	D	\$86.97	29,873	D	
Common Stock	02/16/2012		S		203	D	\$86.98	29,670	D	
Common Stock	02/16/2012		S		3	D	\$86.99	29,667	D	
Common Stock	02/16/2012		S		275	D	\$87	29,392	D	
Common Stock	02/16/2012		S		1,578	D	\$87.01	27,814	D	
Common Stock	02/16/2012		S		263	D	\$87.02	27,551	D	
Common Stock	02/16/2012		S		117	D	\$87.04	27,434	D	
Common Stock	02/16/2012		S		135	D	\$87.05	27,299	D	
Common Stock	02/16/2012		S		200	D	\$87.055	27,099	D	
Common Stock	02/16/2012		S		103	D	\$87.06	26,996	D	
Common Stock	02/16/2012		S		303	D	\$87.07	26,693	D	
Common Stock	02/16/2012		S		440	D	\$87.08	26,253	D	
Common Stock	02/16/2012		S		200	D	\$87.09	26,053	D	
Common Stock	02/16/2012		S		1,703	D	\$87.1	24,350	D	
Common Stock	02/16/2012		S		303	D	\$87.11	24,047	D	
Common Stock	02/16/2012		S		2,694	D	\$87.12	21,353	D	
Common Stock	02/16/2012		S		200	D	\$87.14	21,153	D	
Common Stock	02/16/2012		S		53	D	\$87.15	21,100	D	
Common Stock	02/16/2012		S		230	D	\$87.16	20,870	D	
Common Stock	02/16/2012		S		8	D	\$87.17	20,862	D	
Common Stock	02/16/2012		S		3	D	\$87.18	20,859	D	
Common Stock	02/16/2012		S		103	D	\$87.19	20,756	D	
Common Stock	02/16/2012		S		850	D	\$87.2	19,906	D	
Common Stock	02/17/2012		S		3,700	D	\$88	16,206	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)	\$64.5	02/16/2012		M ⁽¹⁾			20,600	05/15/2003	05/14/2012	Common Stock	20,600	\$0	0	D	

Explanation of Responses:

1. This Form is being filed to report the exercise of a 3M stock option for a total of 20,600 shares by means of a stock swap. A stock swap is a method of exercising a stock option in which the option holder attests to the ownership of enough shares of stock already owned by the option holder to cover the exercise price of the option being exercised. As a result of this stock swap, the reporting person acquired ownership of an additional 3,118 shares of 3M common stock. As a result of this transaction, 2,323 shares were sold to pay withholding taxes to the respective government agencies.

George Ann Biros, attorney-in-fact 02/17/2012
for Brad T. Sauer

** 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.