

Shin Hak Cheol
Form 4
February 21, 2012

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN 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 *
Shin Hak Cheol

(Last) (First) (Middle)
3M CENTER
(Street)

ST. PAUL, MN 55144-1000

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
3M CO [MMM]

3. Date of Earliest Transaction (Month/Day/Year)
02/16/2012

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)

EXEC VP INTERNATIONAL

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

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 Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock	02/16/2012		M ⁽¹⁾		15,800 A \$ 64.5	46,616	D
Common Stock	02/16/2012		F		11,626 D \$ 87.65	34,990	D
Common Stock	02/16/2012		F		1,781 D \$ 87.65	33,209	D
Common Stock	02/16/2012		M ⁽¹⁾		11,236 A \$ 61.85	44,445	D
Common Stock	02/16/2012		F		7,928 D \$ 87.65	36,517	D

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Common Stock	02/16/2012	F	1,412	D	\$ 87.65	35,105	D
Common Stock	02/16/2012	S	5,900	D	\$ 87.49	29,205	D
Common Stock	02/16/2012	S	1,239	D	\$ 87.491	27,966	D
Common Stock	02/16/2012	S	2,262	D	\$ 87.5	25,704	D
Common Stock	02/16/2012	S	462	D	\$ 87.51	25,242	D
Common Stock	02/16/2012	S	216	D	\$ 87.52	25,026	D
Common Stock	02/16/2012	S	100	D	\$ 87.521	24,926	D
Common Stock	02/16/2012	S	200	D	\$ 87.53	24,726	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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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 Underlying Security (Instr. 3 and 4)
					V	(A)	(D)	Date Exercisable	
Non-qualified Stock Option (Right to Buy)	\$ 64.5	02/16/2012		M ⁽¹⁾		15,800	05/15/2003	05/14/2012	Common Stock
Non-qualified Stock Option (Right to Buy)	\$ 61.85	02/16/2012		M ⁽¹⁾		11,236	05/14/2004	05/12/2013	Common Stock
Non-qualified Stock Option (Right to Buy)	\$ 87.65	02/16/2012		A		9,340	08/16/2012	05/13/2013	Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Shin Hak Cheol 3M CENTER ST. PAUL, MN 55144-1000			EXEC VP INTERNATIONAL	

Signatures

George Ann Biros, attorney-in-fact for Hak Cheol Shin	02/21/2012
**Signature of Reporting Person	Date

Explanation of Responses:

- * 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).

This Form is being filed to report the exercise of two 3M stock options for a total of 27,036 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 (1) by the option holder to cover the exercise price of the option being exercised. As a result of these stock swaps, the reporting person acquired ownership of an additional 4,289 shares of 3M common stock. As a result of this transaction, 3,193 shares were sold to pay withholding taxes to the respective government agencies.

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