Harlan Joe E Form 4 May 20, 2011

FORM 4

OMB APPROVAL OMB

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

3235-0287 Number:

Check this box if no longer subject to Section 16.

Washington, D.C. 20549

January 31, Expires: 2005

Form 4 or Form 5 obligations STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Harlan Joe E		orting Person *	2. Issuer Name and Ticker or Trading Symbol 3M CO [MMM]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last)	(First) (Middle)		3. Date of Earliest Transaction	(Check all applicable)			
			(Month/Day/Year)	Director 10% Owner			
3M CENTER	t		05/18/2011	X Officer (give title Other (specify below)			
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person			
ST. PAUL, MN 55144-1000				Form filed by More than One Reporting Person			

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired (A) 5. Amount of 7. Nature of Security (Month/Day/Year) Execution Date, if Transactionr Disposed of (D) Securities Ownership Indirect ial ship

(Instr. 3)	(any (Month/Day/Year)	Code (Instr. 8)	(Instr. 3, 4 and 5)			Beneficially Owned Following	Form: Direct (D) or Indirect	Beneficia Ownersh (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(I) (Instr. 4)	
Common Stock	05/18/2011		S	900	D	\$ 93.83	37,081	D	
Common Stock	05/18/2011		S	600	D	\$ 93.84	36,481	D	
Common Stock	05/18/2011		S	900	D	\$ 93.85	35,581	D	
Common Stock	05/18/2011		S	134	D	\$ 93.86	35,447	D	
Common Stock	05/18/2011		S	766	D	\$ 93.87	34,681	D	

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Common Stock	05/18/2011	S	1,100	D	\$ 93.88 33,581	D
Common Stock	05/18/2011	S	2,000	D	\$ 93.9 31,581	D
Common Stock	05/18/2011	S	2,784	D	\$ 93.91 28,797	D
Common Stock	05/18/2011	S	216	D	\$ 93.92 28,581	D
Common Stock	05/18/2011	S	1,060	D	\$ 93.93 27,521	D
Common Stock	05/18/2011	S	940	D	\$ 93.94 26,581	D
Common Stock	05/18/2011	S	1,700	D	\$ 93.95 24,881	D
Common Stock	05/18/2011	S	300	D	\$ 93.96 24,581	D
Common Stock	05/18/2011	S	863	D	\$ 93.97 23,718	D
Common Stock	05/18/2011	S	2,461	D	\$ 93.98 21,257	D
Common Stock	05/18/2011	S	1,600	D	\$ 93.99 19,657	D
Common Stock	05/18/2011	S	1,876	D	\$ 94 17,781	D
Common Stock	05/18/2011	S	200	D	\$ 94.005 17,581	D
Common Stock	05/18/2011	S	195	D	\$ 94.01 17,386	D
Common Stock	05/18/2011	S	805	D	\$ 94.02 16,581	D
Common Stock	05/18/2011	S	880	D	\$ 94.04 15,701	D
Common Stock	05/18/2011	S	1,120	D	\$ 94.05 14,581	D
Common Stock	05/18/2011	S	347	D	\$ 94.13 14,234	D
Common Stock	05/18/2011	S	353	D	\$ 94.14 13,881	D
Common Stock	05/18/2011	S	300	D	\$ 94.15 13,581	D
	05/18/2011	M	38,979	A	\$ 84.78 52,560	D

Common Stock						
Common Stock	05/18/2011	S	100	D	\$ 92.76 52,460	D
Common Stock	05/18/2011	S	200	D	\$ 92.79 52,260	D
Common Stock	05/18/2011	S	300	D	\$ 92.8 51,960	D
Common Stock	05/18/2011	S	100	D	\$ 92.83 51,860	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	Conversion or Exercise Price of Derivative	3. Transaction Date (Month/Day/Year)	4. Transactic Code (Instr. 8)	of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,		ate	7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
			Code V	4, and 5) (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Harlan Joe E

3M CENTER EXEC VP CONSUMER & OFFICE

ST. PAUL, MN 55144-1000

Signatures

George Ann Biros, attorney-in-fact for Joe E. Harlan 05/20/2011

Reporting Owners 3

**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).

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.

Signatures 4