Harlan Joe E Form 4 May 20, 2011

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16. Form 4 or

Washington, D.C. 20549

January 31, Expires: 2005

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

Estimated average burden hours per 0.5 response...

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			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			05/18/2011	X Officer (give title Other (specify below) EXEC VP CONSUMER & OFFICE		
	(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) Tab	le I - Non-	Derivativ	e Secu	rities Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired (A) Transactiomr Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			5. Amount of Securities Ownership Beneficially Form: Owned Direct (D) Following or Indirect Reported (I) Transaction(s) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)	(msu. 1)	
Common Stock	05/18/2011		S	100	D	\$ 93.06	53,189	D	
Common Stock	05/18/2011		S	100	D	\$ 93.0775	53,089	D	
Common Stock	05/18/2011		S	100	D	\$ 93.08	52,989	D	
Common Stock	05/18/2011		S	100	D	\$ 93.13	52,889	D	
Common Stock	05/18/2011		S	900	D	\$ 93.14	51,989	D	

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Common Stock	05/18/2011	S	200	D	\$ 93.16	51,789	D
Common Stock	05/18/2011	S	100	D	\$ 93.225	51,689	D
Common Stock	05/18/2011	S	108	D	\$ 93.23	51,581	D
Common Stock	05/18/2011	S	100	D	\$ 93.24	51,481	D
Common Stock	05/18/2011	S	500	D	\$ 93.25	50,981	D
Common Stock	05/18/2011	S	500	D	\$ 93.255	50,481	D
Common Stock	05/18/2011	S	100	D	\$ 93.26	50,381	D
Common Stock	05/18/2011	S	200	D	\$ 93.27	50,181	D
Common Stock	05/18/2011	S	100	D	\$ 93.31	50,081	D
Common Stock	05/18/2011	S	278	D	\$ 93.32	49,803	D
Common Stock	05/18/2011	S	22	D	\$ 93.33	49,781	D
Common Stock	05/18/2011	S	1,000	D	\$ 93.335	48,781	D
Common Stock	05/18/2011	S	200	D	\$ 93.36	48,581	D
Common Stock	05/18/2011	S	100	D	\$ 93.365	48,481	D
Common Stock	05/18/2011	S	1,996	D	\$ 93.37	46,485	D
Common Stock	05/18/2011	S	1,004	D	\$ 93.38	45,481	D
Common Stock	05/18/2011	S	500	D	\$ 93.385	44,981	D
Common Stock	05/18/2011	S	400	D	\$ 93.39	44,581	D
Common Stock	05/18/2011	S	875	D	\$ 93.4	43,706	D
Common Stock	05/18/2011	S	125	D	\$ 93.41	43,581	D
	05/18/2011	S	148	D	\$ 93.46	43,433	D

Common Stock							
Common Stock	05/18/2011	S	1,952	D	\$ 93.47	41,481	D
Common Stock	05/18/2011	S	300	D	\$ 93.48	41,181	D
Common Stock	05/18/2011	S	300	D	\$ 93.49	40,881	D
Common Stock	05/18/2011	S	300	D	\$ 93.5	40,581	D

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

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SEC 1474

(9-02)

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)	4. Transactic Code (Instr. 8)	of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,		ate	7. Titl Amou Under Securi (Instr.	nt of lying	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
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Director 10% Owner Officer Other

3M CENTER

EXEC VP CONSUMER & OFFICE

ST. PAUL, MN 55144-1000

Signatures

Harlan Joe E

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