Form 5 February 03, 20	005						
FORM					OMB AF	PROVAL	
Check this bo no longer sub	UNITE	D STATES	OMB Number: Expires:	3235-0362 January 31, 2005			
to Section 16. Form 4 or For 5 obligations may continue. <i>See</i> Instruction 1(b).	m Al	NNUAL ST pursuant to S 7(a) of the	Estimated average burden hours per response		.0		
Form 4 Transactions Reported		30(h)	of the Investment Company Act of 19	40			
1. Name and Adda IHLENFELD .	•	ng Person <u>*</u>	2. Issuer Name and Ticker or Trading Symbol 3M CO [MMM]	5. Relationship of I Issuer	Reporting Pers	on(s) to	
(Last)	(First)	(Middle)	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2004	Director X Officer (give t	title Othe) Owner er (specify	
3M CENTER				below) Vice F	below) President R&D		
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joi (check	nt/Group Repo applicable line)	C C	

ST. PAUL, MNÂ 55144-1000

IHLENFELD JAY V

X Form Filed by One Reporting Person ____ 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 Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securi Acquired Disposed (Instr. 3, Amount	l (A) c l of (D))	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock (2)	Â	Â	Â	Â	Â	Â	24,938	D	Â	
Common Stock (1)	Â	Â	Â	Â	Â	Â	2,417	I	by 401k/PAESOP	

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

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 control number.

SEC 2270 (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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivati Securiti Acquire (A) or Dispose of (D) (Instr. 3 4, and 5	(Month/Day/Year) vative urities uired or oosed D) r. 3,		7. Title and Amoun Underlying Securit (Instr. 3 and 4)	
					(A) (I	Date Exercisable	Expiration Date	Title	Amor or Num of Sh
Incentive Stock Option (right to buy)	\$ 43.35	Â	Â	Â	ÂÂ	05/09/200	1 05/09/2010	Common Stock	2,3
Incentive Stock Option (right to buy)	\$ 45.85	Â	Â	Â	ÂÂ	. 05/13/199	8 05/13/2007	Common Stock	1,3
Incentive Stock Option (right to buy)	\$ 46.675	Â	Â	Â	ÂÂ	. 05/12/199	9 05/12/2008	Common Stock	2,1
Incentive Stock Option (right to buy)	\$ 47.5	Â	Â	Â	ÂÂ	. 05/11/200	0 05/10/2009	Common Stock	2,1
Incentive Stock Option (right to buy)	\$ 58.625	Â	Â	Â	ÂÂ	. 05/08/200	2 05/08/2011	Common Stock	1,7
Non-Qualified Stock Option (right to buy)	\$ 58.625	Â	Â	Â	ÂÂ	. 05/08/200	2 05/08/2011	Common Stock	13,5
Non-Qualified Stock Option (right to buy)	\$ 61.85	Â	Â	Â	ÂÂ	. 05/14/200	4 05/12/2013	Common Stock	39,5
Non-Qualified Stock Option (right to buy)	\$ 64.4	Â	Â	Â	ÂÂ	. 11/20/200	2 05/06/2005	Common Stock	90
Non-Qualified Stock Option (right to buy)	\$ 64.4	Â	Â	Â	ÂÂ	. 11/20/200	2 05/12/2006	Common Stock	1,4
Non-Qualified Stock Option (right to buy)	\$ 64.4	Â	Â	Â	ÂÂ	. 11/20/200	2 05/07/2010	Common Stock	1,5

Non-Qualified Stock Option (right to buy)	\$ 64.5	Â	Â	Â	Â	Â	05/15/2003	05/14/2012	Common Stock	17,4
Non-Qualified Stock Option (right to buy)	\$ 69.35	Â	Â	Â	Â	Â	02/06/2004	05/11/2007	Common Stock	2,3
Non-Qualified Stock Option (right to buy)	\$ 69.35	Â	Â	Â	Â	Â	02/06/2004	05/12/2008	Common Stock	8
Non-Qualified Stock Option (right to buy)	\$ 69.35	Â	Â	Â	Â	Â	02/06/2004	05/07/2010	Common Stock	4,6
Non-Qualified Stock Option (right to buy)	\$ 81.7	Â	Â	Â	Â	Â	10/02/2004	05/12/2008	Common Stock	5,9
Non-Qualified Stock Option (right to buy)	\$ 81.7	Â	Â	Â	Â	Â	10/02/2004	05/11/2009	Common Stock	6,0
Non-Qualified Stock Option (right to buy)	\$ 81.7	Â	Â	Â	Â	Â	10/02/2004	05/06/2011	Common Stock	40
Non-Qualified Stock Option (right to buy)	\$ 84.4	Â	Â	Â	Â	Â	05/12/2005	05/09/2014	Common Stock	43,7

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
IHLENFELD JAY V 3M CENTER ST. PAUL, MN 55144-1000	Â	Â	Vice President R&D	Â				
Signatures								
By: George Ann Biros For: Jay V Ihlenfeld		02/03/2005						
**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).
- (1) The indirectly-held common stock holding (401k/PAESOP) reported in Table I includes shares acquired during the fiscal year pursuant to the 3M Voluntary Investment Plan.
- (2) The directly-held common stock holding reported in Table I includes shares acquired pursuant to 3M's Dividend Reinvestment Program in transactions exempt from Section 16; this total also includes shares acquired during the fiscal year pursuant to 3M's General Employee

Stock Purchase Plan.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.