SEC Form 4	
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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b).

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

OMB APPROVAL OMB Number: 3235-0287

l	Estimated average burden	
	hours per response: 0.5	
h		-

1. Name and Address of Reporting Person [*] Sweeney Joseph J			2. Issuer Name and Ticker or Trading Symbol <u>APPLIED MATERIALS INC /DE</u> [AMAT]		tionship of Reporting Pe all applicable) Director	rson(s) to Issuer 10% Owner		
			-	X	Officer (give title	Other (specify		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)		below)	below)		
C/O APPLIED MATERIALS, INC.			03/18/2008		Sr. VP, GC & Cor	p. Secretary		
P.O. BOX 58	3039, 3050 BOW	ERS AV, M/S 2023						
			_ 4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable				
(Street)				Line)				
l` í		95054			Form filed by One Re	porting Person		
SANTA CLARA CA 95054		53034	_		Form filed by More that Person	an One Reporting		
(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. Transa Code (8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership		
			Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)		
Common Stock	03/18/2008		М		40,000	A	\$16.275	348,690 ⁽¹⁾	D			
Common Stock	03/18/2008		S		40,000	D	\$21.1026	308,690 ⁽¹⁾	D			
Common Stock								9,992.492 ⁽²⁾	Ι	By the 401(k) Plan		

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

	(0.3., parts, cance, control and coordinate)														
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. Transa Code (8)		of Deri Sec Acq (A) Disp of (I	umber ivative urities juired or oosed D) (Instr. and 5)	Expiration D	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		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				
Employee Stock Option (right to buy)	\$16.275	03/18/2008		М			40,000	07/15/2004	10/19/2008	Common Stock	40,000	\$0	0	D	

Explanation of Responses:

1. Number of shares includes 256,000 performance shares (restricted stock units) previously reported that in the future will be converted on a one-for-one basis into shares of Applied Materials, Inc. common stock upon vesting, which vesting is scheduled to occur as follows: (a) 6,000 performance shares are scheduled to vest in two equal annual installments beginning 8/31/08, (b) 150,000 performance shares are scheduled to vest in three equal annual installments beginning 12/19/08, and (c) provided specified performance goals are achieved, 100,000 performance shares are scheduled to vest in four equal annual installments beginning 12/19/08 (all vesting is subject to continued employment).

2. Increased number of shares reflects periodic payroll acquisitions and dividend reinvestment under 401(k) Plan that are exempt under Rule 16b-3.

03/20/2008 /s/ Joseph J. Sweeney Date

** Signature of Reporting Person

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.