

Sweeney Joseph J
 Form 4
 August 20, 2012

FORM 4

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

OMB APPROVAL

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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 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 *
 Sweeney Joseph J

2. Issuer Name and Ticker or Trading Symbol
 APPLIED MATERIALS INC /DE [AMAT]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 ___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 Sr. VP, GC & Corp. Secretary

(Last) (First) (Middle)
 C/O APPLIED MATERIALS, INC., P.O. BOX 58039, 3050 BOWERS AV, M/S 1268
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 08/17/2012

SANTA CLARA, CA 95054
 (City) (State) (Zip)

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

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 Indirect Beneficial Ownership (Instr. 4)
Common Stock	08/17/2012		M	100,000 A	\$ 8.58 603,344 ⁽¹⁾	D	
Common Stock	08/17/2012		S	100,000 D	\$ 11.89 503,344 ⁽¹⁾	D	
Common Stock					14,332.133 ⁽²⁾	I	By the 401(k) Plan

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

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(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 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 Amount of Underlying Securities (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount Number Shares
Employee Stock Option (Right to Buy)	\$ 8.58	08/17/2012		M	100,000	(3) 03/09/2014	Common Stock 100,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Sweeney Joseph J C/O APPLIED MATERIALS, INC. P.O. BOX 58039, 3050 BOWERS AV, M/S 1268 SANTA CLARA, CA 95054			Sr. VP, GC & Corp. Secretary	

Signatures

/s/ Joseph J. Sweeney 08/20/2012
 **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).
- Increased in number of shares reflects periodic payroll acquisitions under Employees' Stock Purchase Plan that are exempt under Rule 16a-10 and Rule 16b-3. Number of shares includes 336,250 performance shares 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) 163,750 shares are scheduled to vest in installments during each December of 2012 through 2014; (b) provided specified performance goals are achieved, (1) 22,500 shares will be scheduled to vest in installments during each December of 2012 through 2013; and (c) provided specified performance goals are achieved, 150,000 shares will be scheduled to vest in installments during each December of 2012 through 2015, which number of shares is the target award level, and the actual number of shares that may vest ranges from 0% to 150% of the target amount depending on achievement of specified performance goals (all vesting will be subject to continued employment through each applicable vest date).

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- (2) Increased number of shares reflects periodic payroll acquisitions and dividend reinvestment under 401(k) Plan that are exempt under Rule 16b-3.
- (3) 200,000 shares became exercisable on 4/1/2012.

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

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