

Weatherford Yvonne
Form 4
December 12, 2007

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 *
Weatherford Yvonne

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)
VP, Corporate Controller

(Last) (First) (Middle)
C/O APPLIED MATERIALS, INC., P.O. BOX 58039, 3050 BOWERS AV, M/S 2023
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
12/10/2007

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 Ownership (Instr. 4)
Common Stock	12/10/2007		A	(A) or (D) Amount 50,000 (1)	\$ 0 179,654 (2)	D	
Common Stock					2,066.947 (3)	I	By 401(k) Plan

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

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SEC 1474 (9-02)

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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	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)	8. Price of Derivative Security (Instr. 5)	9. Nu
				Code V (A) (D)		Date Exercisable Expiration Date	Title Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Weatherford Yvonne
 C/O APPLIED MATERIALS, INC.
 P.O. BOX 58039, 3050 BOWERS AV, M/S 2023
 SANTA CLARA, CA 95054

VP, Corporate Controller

Signatures

/s/ Charmaine Mesina,
 Attorney-in-Fact

12/12/2007

___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).

Represents performance shares (restricted stock units) that will be converted on a one-for-one basis into shares of Applied Materials, Inc.

(1) common stock upon vesting, which vesting is scheduled to occur in four equal annual installments beginning 8/31/08 (subject to continued employment).

(2) Number of shares also includes 93,050 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: 34,550 performance shares are scheduled to vest in two equal annual installments beginning 8/31/08; and 58,500 performance shares are scheduled to vest in three equal annual installments beginning 8/31/08 (all vesting is subject to continued employment).

(3) Increased number of shares reflects dividend reinvestment and periodic allocation of accrued interest (which interest was automatically converted into shares) to all participants under 401(k) Plan that are exempt under Rule 16b-3.

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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