

JAMES SUSAN M.

Form 4

March 11, 2010

FORM 4**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

OMB APPROVAL

OMB
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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 *
JAMES SUSAN M.2. Issuer Name and Ticker or Trading
Symbol
APPLIED MATERIALS INC /DE
[AMAT]5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

(Last) (First) (Middle)

C/O APPLIED MATERIALS,
INC., P.O. BOX 58039, 3050
BOWERS AV, M/S 20233. Date of Earliest Transaction
(Month/Day/Year)
03/09/2010☒ Director ☐ 10% Owner
☐ Officer (give title below) ☐ Other (specify below)

(Street)

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

SANTA CLARA, CA 95054

(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. 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	03/09/2010		A	16,273 (1)	A \$ 0 20,118 (2)	D	

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 1474
(9-02)**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)**

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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 Deriv Secur Bene Own Follo Repor Trans (Instr
				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

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

X

Signatures

/s/ Charmaine Mesina,
Attorney-in-Fact

03/11/2010

__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 automatic annual grant of performance shares (restricted stock units) to non-employee member of the Board of Directors (the "Board") pursuant to the Applied Materials, Inc. ("Applied") Employee Stock Incentive Plan. These performance shares are scheduled to

(1) vest in four equal annual installments beginning 3/1/11 (subject to continued service as a director through each vest date). Pursuant to Ms. James' election, any shares that vest from this grant will be converted to shares of Applied common stock and paid to her on the date of her termination of service from the Applied Board.

Number of shares includes 3,845 performance shares (restricted stock units) previously reported that in the future will be converted on a

(2) one-for-one basis into shares of Applied common stock upon vesting, which vesting is scheduled to occur in four equal annual installments beginning 12/7/2010 (subject to continued service as a director through each vest date).

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.