

APPLIED SIGNAL TECHNOLOGY INC
 Form 4
 February 06, 2007

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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 *
 TREICHLER JOHN R

2. Issuer Name and Ticker or Trading Symbol
 APPLIED SIGNAL TECHNOLOGY INC [APSG]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 06/28/2005

Director 10% Owner
 Officer (give title below) Other (specify below)

400 W. CALIFORNIA AVE

(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

SUNNYVALE, CA 94086

(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 Ownership (Instr. 4) | | | |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|--|---------|---|--|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Stock <u>(3)</u> | 06/28/2005 | | M | | 5,600 | A | \$ 15.5 | 216,718 | D | |
| Common Stock <u>(1)</u> | 04/19/2006 | | J | | 25,000 | A | \$ 0 | 25,000 | I | By Robert K Treichler Trust |
| Common Stock <u>(2)</u> | 04/19/2006 | | J | | 12,735 | A | \$ 0 | 37,735 | I | The Anne Eckel Treichler Revocable Trust |

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

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SEC 1474
(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) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Stock Option (Right to Buy) ⁽³⁾ | \$ 15.5 | 06/28/2005 | | M | 5,600 | 11/20/2002 11/20/2005 | Common Stock | 5,600 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| TREICHLER JOHN R 400 W. CALIFORNIA AVE SUNNYVALE, CA 94086 | | X | | |

Signatures

John R. Treichler 01/21/2007

**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).
- (1) On April 19, 2006, the reporting person was appointed trustee of the Robert K Treichler Trust dtd 5/7/1973. The reporting person disclaims beneficial ownership of the reported securities except to the extent of his pecuniary interest therein.
- (2) On April 19, 2006, the reporting person was appointed trustee of the Anne Eckel Treichler Revocable Trust dtd 6/28/1983. The reporting person disclaims beneficial ownership of the reported securities except to the extent of his pecuniary interest therein.
- (3) The options vested 20% on 11/20/98, 11/20/99, 11/20/00, 11/20/01, and 11/20/02.

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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