KLA TENCOR CORP

Form 4

September 27, 2005

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

OMB 3235-0287 Number:

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Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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

response...

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * WALLACE RICHARD P

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

(Middle)

KLA TENCOR CORP [KLAC]

(Check all applicable)

C/O KLA-TENCOR CORPORATION, 160 RIO

ROBLES

(City)

(Instr. 3)

(Last)

3. Date of Earliest Transaction

(Month/Day/Year) 09/26/2005

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

President & COO

(Street)

(State)

(First)

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X 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

(A)

SAN JOSE, CA 95130

1. Title of Security 2. Transaction Date 2A. Deemed (Month/Day/Year)

(Zip)

Execution Date, if

(Month/Day/Year)

4. Securities Acquired 5. Amount of Transaction(A) or Disposed of Code (D) (Instr. 3, 4 and 5) (Instr. 8)

Securities Beneficially Owned Following

6. 7. Nature Ownership Form: Direct (D) or Indirect

of Indirect Beneficial Ownership (Instr. 4)

Reported (D) Price

Transaction(s) (Instr. 4)

(Instr. 3 and 4)

Common

Stock-Restricted 09/26/2005 Stock Units (1)

A 25,000 A

Code V Amount

66,111 (2)

D

D

Common Stock

3,551

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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$\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (\emph{e.g.}, puts, calls, warrants, options, convertible securities) \\ \end{tabular}$

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. Transactio Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and An Underlying Sec (Instr. 3 and 4)
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title N
Non-Qualified Stock Option (right to buy)	\$ 47.95	09/26/2005		A	125,000	09/26/2006	09/26/2012	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 26.25					11/10/2001	11/10/2010	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 29.31					10/02/2002	10/02/2011	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 32.75					04/04/2002	04/04/2011	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 34.67					11/08/2003	01/28/2013	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 37.05					11/08/2003	11/08/2012	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 40.14					05/22/2004	05/22/2013	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 40.66					10/27/2004	08/02/2014	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 41.79					09/21/2005	09/21/2014	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 44.6875					08/13/2000	08/13/2010	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 45.16					10/27/2004	04/26/2014	Common Stock

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Non-Qualified Stock Option (right to buy)	\$ 51.229	11/08/2003	07/30/2013	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 53.86	10/27/2004	10/27/2013	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 58.1	10/27/2004	01/27/2014	Common Stock

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

WALLACE RICHARD P C/O KLA-TENCOR CORPORATION 160 RIO ROBLES SAN JOSE, CA 95130

President & COO

Signatures

By: Stuart J. Nichols For: Richard P. Wallace

09/27/2005

**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) Each restricted stock unit represents a contingent right to receive one share of KLAC common stock.
- (2) The restricted stock units vest in two equal installments. The first half vests four years from grant date. The second half vests one year thereafter.

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.

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