KLA TENCOR CORP

Form 4

August 11, 2014

FORM 4

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

OMB Number: 3235-0287

Estimated average

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 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

burden hours per response...

See Instruction 1(b).

Stock

Stock

Common

(Print or Type Responses)

1. Name and Ac WALLACE	•	_	2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check air applicable)			
C/O KLA-TI CORPORAT TECHNOLO	TION, ONE		(Month/Day/Year) 08/07/2014	X Director 10% Owner X Officer (give title Other (specify below) President and CEO			
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
MILPITAS,	CA 95035		Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acc	quired, 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. 4. Securities Acquired Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5) (A) or		of	Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount		Price	(Instr. 3 and 4)		
Common Stock -									
Restricted Stock Units (1)	08/07/2014		A	44,000	A 5	\$0	155,025 (3)	D	
Common							8 284	т	By Trust

8,284

39,133

D

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

(4)

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SEC 1474 (9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	le and	8. Price of	9
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	ionNumber	Expiration D	ate	Amou	int of	Derivative	Ι
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	rlying	Security	S
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Secur	ities	(Instr. 5)	E
	Derivative				Securities	;		(Instr.	3 and 4)		(
	Security				Acquired						F
					(A) or						F
					Disposed						7
					of (D)						(
					(Instr. 3,						
					4, and 5)						
									Amount		
									or		
						Date	Expiration	Title	Number		
						Exercisable	Date	Title	of		
				Code V	(A) (D)				Shares		
				Code v	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

WALLACE RICHARD P C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035

X

President and CEO

Signatures

Jeffrey S. Eisenberg as Attorney-In-Fact for Richard P. Wallace

08/11/2014

**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 ("RSU") represents a contingent right to receive one share of KLA-Tencor common stock.
- Represents a grant of RSUs subject only to service-vesting requirements. The Reporting Person will vest in twenty-five percent (25%) of the RSUs on the one-year anniversary of the grant date (August 7, 2014) and an additional twenty-five percent (25%) on each annual anniversary of the grant date thereafter through August 7, 2018, in each case subject to the Reporting Person continuing as a service provider to KLA-Tencor through the applicable vesting date. The shares of common stock will be issued as the RSUs vest.
- Does not include performance-based RSUs, if any, held by the Reporting Person for which an assessment has not yet been made regarding the achievement of the applicable performance goals. Any such holdings will be reported on Form 4 within two business days of the date such assessment is made.

Reporting Owners 2

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(4) Shares held under the Wallace Living Trust u/a/d 03/27/01, as amended, a trust of which the Reporting Person is a trustee and beneficiary. Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, <i>see</i> 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.