#### KLA TENCOR CORP

Form 4

Common Stock -

Restricted

Common

(1)

Stock Units

11/11/2016

November 14, 2016

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549						OMB APPROVAL		
						3235-0287		
Check this if no longe subject to Section 16 Form 4 or	STATEMI	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES				January 31, 2005 verage rs per 0.5		
Form 5 obligations may continue See Instruction.	Section 17(a)	of the Public Ut	6(a) of the Securities Exchang fility Holding Company Act of vestment Company Act of 194	f 1935 or Section	response			
(Print or Type Re	esponses)							
1. Name and Ad WALLACE I	dress of Reporting Pe	Symbol	Name and Ticker or Trading	5. Relationship of Reporting Person(s) to Issuer				
		KLA TI	ENCOR CORP [KLAC]	(Check all applicable)				
(Last) (First) (Middle) 3. Date			Earliest Transaction	,	••	•		
C/O KLA-TE CORPORAT TECHNOLO	ION, ONE	(Month/E 11/11/2		X Director 10% OwnerX Officer (give title Other (specify below) President and CEO				
	(Street)		ndment, Date Original hth/Day/Year)	6. Individual or Joi Applicable Line) _X_ Form filed by O				
MILPITAS, O	CA 95035			Form filed by M Person	ore than One Re	porting		
(City)	(State) (Z	Zip) Tabl	e I - Non-Derivative Securities Acq	uired, Disposed of,	or Beneficial	ly 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)	Securities Beneficially Owned	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)			

Stock 110,945 D

A

Common Stock 9,182 I By Trust (4)

Code V Amount (D) Price

33,454

(Instr. 3 and 4)

216,804 (3)

D

\$0

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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title a	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration D	ate	Amount	of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securitie	es	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	and 4)		Own
	Security				Acquired						Follo
	·				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									mount		
						Date	Expiration	01			
						Exercisable	Date		umber		
								of			
				Code V	(A) (D)			S	hares		

# **Reporting Owners**

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

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

X

President and CEO

### **Signatures**

Teri Little as Attorney-in-Fact for Richard P.

Wallace 11/11/2016

> \*\*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 RSU represents a contingent right to receive one share of KLA-Tencor common stock.
- On November 11, 2016, the Reporting Person was granted RSUs for 33,454 shares of KLA-Tencor common stock which vest 25% **(2)** annually beginning November 11, 2017, subject to continued service on each vesting date.
- Does not include performance-based RSUs held by the Reporting Person for which an assessment has not yet been made regarding the (3) achievement of the applicable performance goals. Any such holdings will be reported on a Form 4 within two business days of the date
- (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, see Instruction 6 for procedure.

Reporting Owners 2

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