URBANEK LIDA

Form 4

January 26, 2005

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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OMB APPROVAL

if no longer subject to Section 16. Form 4 or Form 5 obligations

Check this box

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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

1(b).

(Last)

(City)

Common

Stock

1. Name and Address of Reporting Person * **URBANEK LIDA**

2. Issuer Name and Ticker or Trading Symbol

KLA TENCOR CORP [KLAC]

5. Relationship of Reporting Person(s) to

Issuer

(First)

(Middle)

(Zip)

(Check all applicable)

C/O KLA-TENCOR

(State)

3. Date of Earliest Transaction

(Month/Day/Year) 01/25/2005

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

below)

CORPORATION, 160 RIO **ROBLES**

> (Street) 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

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

SAN JOSE, CA 95130

5. Amount of 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Ownership Indirect (Instr. 3) Code Disposed of (D) Beneficially Form: Direct Beneficial (Instr. 8) (Instr. 3, 4 and 5) (Month/Day/Year) Owned (D) or Ownership Indirect (I) (Instr. 4) Following Reported (Instr. 4) (A) Transaction(s)

(Instr. 3 and 4)

Code V Amount (D) Price

Family 29,555 Ι Foundation

Common 1,271,414 I by Trust Stock

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. Transactic Code (Instr. 8)	5. Number on f 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 Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Non-Qualified Stock Option (right to buy)	\$ 44.76	01/25/2005		A	2,500	01/25/2005	01/25/2015	Common Stock	2,5
Non-Qualified Stock Option (right to buy)	\$ 12.5					06/13/1996	05/13/2006	Common Stock	28
Non-Qualified Stock Option (right to buy)	\$ 13.44					07/22/1999	07/22/2008	Common Stock	5,0
Non-Qualified Stock Option (right to buy)	\$ 17.59					11/17/1998	11/17/2008	Common Stock	6,6
Non-Qualified Stock Option (right to buy)	\$ 17.78					06/15/1995	05/15/2005	Common Stock	1,9
Non-Qualified Stock Option (right to buy)	\$ 26.25					11/10/2000	11/10/2010	Common Stock	10,0
Non-Qualified Stock Option (right to buy)	\$ 29					07/22/1998	07/22/2007	Common Stock	5,0
Non-Qualified Stock Option (right to buy)	\$ 37.05					11/08/2002	11/08/2012	Common Stock	10,0
Non-Qualified Stock Option (right to buy)	\$ 40.68					10/18/2004	10/18/2014	Common Stock	2,5
Non-Qualified Stock Option (right to buy)	\$ 46.28					11/16/1999	11/16/2009	Common Stock	10,0
Non-Qualified	\$ 47.23					11/09/2001	11/09/2011	Common	10,0

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Stock Option Stock

(right to buy)

(right to buy)

Non-Qualified

Stock Option \$ 59.44

11/05/2003 11/05/2013

Stock

Common

10.0

Reporting Owners

Relationships Reporting Owner Name / Address

Director 10% Owner Officer

URBANEK LIDA C/O KLA-TENCOR CORPORATION 160 RIO ROBLES SAN JOSE, CA 95130

X

Signatures

By: Stuart J. Nichols For: Lida Urbanek

01/26/2005

**Signature of Reporting Person

Date

Explanation of Responses:

If the form is filed by more than one reporting person, see Instruction 4(b)(v).

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.

Reporting Owners 3

Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).