

JAMES BRIAN C
Form 4
October 13, 2006

FORM 4

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

OMB APPROVAL

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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 *
JAMES BRIAN C

2. Issuer Name and Ticker or Trading Symbol
ADE CORP [ADEX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
C/O ADE CORPORATION, 80 WILSON WAY

3. Date of Earliest Transaction (Month/Day/Year)
10/11/2006

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
VP, Treasurer & CFO

(Street)
WESTWOOD, MA 02090

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

(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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	10/11/2006		M		50,000	A	\$ 21.117
Common Stock	10/11/2006		M		120,000	A	\$ 9.795
Common Stock	10/11/2006		F		68,675	D	\$ 32.49
Common Stock	10/11/2006		D		103,325	D	<u>(1)</u> 0

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

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(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)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Employee Stock Option (right to buy)	\$ 21.117	10/11/2006		M	50,000	<u>(2)</u> 09/18/2010	Common Stock	50,000	
Employee Stock Option (right to buy)	\$ 9.795	10/11/2006		M	120,000	<u>(3)</u> 10/18/2011	Common Stock	120,000	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
JAMES BRIAN C C/O ADE CORPORATION 80 WILSON WAY WESTWOOD, MA 02090			VP, Treasurer & CFO	

Signatures

/s/ Brian James 10/13/2006

**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) Disposed of pursuant to merger agreement between issuer and KLA-Tencor Corporation in exchange for \$32.50 per share on the effective date of the merger.

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- (2) The option provides for vesting in equal installments quarterly over a five year period beginning in September 2000.
- (3) The option provides for vesting in equal installments quarterly over a five year period beginning in October 2001.

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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