**WAITE BARRY** 

Form 4

February 10, 2010

# FORM 4

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

**OMB** 3235-0287 Number:

Estimated average

**OMB APPROVAL** 

Check this box if no longer subject to

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

January 31, Expires: 2005

0.5

Section 16. 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).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person \* 2. Issuer Name and Ticker or Trading **WAITE BARRY** Symbol

(Middle)

5. Relationship of Reporting Person(s) to

Issuer

**KULICKE & SOFFA INDUSTRIES** INC [KLIC]

(Check all applicable)

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

Officer (give title below)

10% Owner Other (specify

1005 VIRGINIA DRIVE (Street)

(First)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

02/08/2010

Applicable Line)

\_X\_\_ Director

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

Person

FORT WASHINGTON, PA US

19034

(City)	(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 on(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	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	Reported Transaction(s) (Instr. 3 and 4)			
Common Stock	02/08/2010		S	2,400 (1)	D	\$ 6.1	48,498	D		
Common Stock	02/08/2010		S	200 (1)	D	\$ 6.12	48,298	D		
Common Stock	02/08/2010		S	500 (1)	D	\$ 6.15	47,798	D		
Common Stock	02/08/2010		S	100 (1)	D	\$ 6.16	47,698	D		
Common Stock	02/08/2010		S	2,800 (1)	D	\$ 6.17	44,898	D		

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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. Title	e and	8. Price of	
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transact	iorNumber	Expiration Da	ate	Amou	nt of	Derivative	
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	lying	Security	
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ties	(Instr. 5)	
	Derivative				Securities			(Instr.	3 and 4)		
	Security				Acquired						
					(A) or						
					Disposed						
					of (D)						
					(Instr. 3,						
					4, and 5)						
					, ,						
									Amount		
						Date	Expiration		or		
						Exercisable	Date		Number		
									of		
				Code V	(A) $(D)$				Shares		

# **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

WAITE BARRY 1005 VIRGINIA DRIVE X FORT WASHINGTON, PA US 19034

### **Signatures**

Susan L. Waters, Attorney-in-Fact for Barry
Waite
02/10/2010

Date

\*\*Signature of Reporting Person

## **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) The shares covered by this Form 4 were sold pursuant to a Rule 10b5-1(c) sales plan dated December 18, 2009.

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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