

THOMPSON JENNIFER
 Form 4
 April 13, 2006

FORM 4

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

OMB APPROVAL

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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 *
 THOMPSON JENNIFER

2. Issuer Name and Ticker or Trading Symbol
 WINLAND ELECTRONICS INC
 [WEX]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
 1950 EXCEL DRIVE
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 04/11/2006

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 VP of Financial Operations

MANKATO, MN 56001
 (City) (State) (Zip)

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

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	04/11/2006		M		14,843	A	\$ 1.8182
Common Stock	04/11/2006		F		4,776	D	\$ 5.65
							49,637
							44,861

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

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 (9-02)

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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
Stock Option (right to buy)	\$ 1.8182	04/11/2006		M	14,843.5	<u>(1)</u>	08/14/2006	Common Stock	14,843
Stock Option (right to buy)	\$ 3.476					10/24/2003	10/24/2009	Common Stock	0

Reporting Owners

Reporting Owner Name / Address	Relationships
THOMPSON JENNIFER 1950 EXCEL DRIVE MANKATO, MN 56001	Director 10% Owner Officer VP of Financial Operations

Signatures

/s/ Diane Heney as Attorney-in-Fact for Jennifer A. Thompson pursuant to Power of Attorney previously filed.

04/13/2006

__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) Original option (36,000 shares) exercisable in five annual increments of 7,200 shares beginning August 14, 2001; reporting person received cash in lieu of the fractional share.

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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