

Waksal Harlan
Form 4
May 27, 2010

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2005
Estimated average burden hours per response... 0.5

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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 *
Waksal Harlan

2. Issuer Name and Ticker or Trading Symbol
SENECO TECHNOLOGIES INC
[SNT]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

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

Director 10% Owner
 Officer (give title below) Other (specify below)

303 GEORGE STREET, SUITE 420

05/25/2010

(Street)

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

NEW BRUNSWICK, NJ 08901

(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 or Price | | |
| Common Stock | 05/25/2010 | | A | | 28,135 (1) \$ 0.3673 | 178,914 | D |
| Common Stock | 05/25/2010 | | A | | 12,078 (2) \$ 0.5135 | 190,992 | D |
| Common Stock | 05/25/2010 | | C | | 631,176 (3) \$ 0.83 | 822,168 | D |

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

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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 Security (Instr. 3 and 4) | | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--------------|--------|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount |
| Convertible Debenture Due 12/31/2010 | \$ 0.83 | 05/25/2010 | | M | \$ 523,876 | 02/19/2010 | 12/31/2010 | Common Stock | 631 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| Waksal Harlan 303 GEORGE STREET SUITE 420 NEW BRUNSWICK, NJ 08901 | | X | | |

Signatures

Harlan W.
Waksal

05/27/2010

**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) Such shares of common stock were issued in lieu of paying cash for interest for the period from 1/1/10 through 3/31/10 on the Company's 8% convertible notes held by Mr. Waksal.
 - (2) Such shares of common stock were issued in lieu of paying cash for interest for the period from 4/1/10 through 5/24/10 on the Company's 8% convertible notes held by Mr. Waksal.
 - (3) Such shares of common stock were issued in connection with the conversion of \$523,876 of the Company's 8% convertible notes, at a conversion rate of \$0.83, held by Mr. Waksal.

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.