Waksal Harlan Form 4 May 19, 2011

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or

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

1(b).

Form 5

obligations

may continue.

See Instruction

(Print or Type Responses)

1. Name and Address of Reporting Person *

Waksal Harlan

Security

(Instr. 3)

2. Issuer Name and Ticker or Trading

Symbol

SENESCO TECHNOLOGIES INC

[SNT]

(Last) (First) (Middle) 3. Date of Earliest Transaction

(Month/Day/Year)

303 GEORGE STREET, SUITE 420 05/17/2011

> (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

5. Relationship of Reporting Person(s) to

(Check all applicable)

10% Owner

Other (specify

Person

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

Issuer

below)

X_ Director

Officer (give title

NEW BRUNSWICK, NJ 08901

(City) (State) (Zip)

2. Transaction Date 2A. Deemed 1.Title of

(Month/Day/Year)

Execution Date, if

3. TransactionAcquired (A) or Code (Instr. 8) (Month/Day/Year)

4. Securities Disposed of (D) (Instr. 3, 4 and 5)

Code V Amount (D) Price

(A)

or

5. Amount of Securities Beneficially Owned Following

Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (I) (Instr. 4) (Instr. 4)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Transaction(s) (Instr. 3 and 4)

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of 3. Transaction Date 3A. Deemed Derivative (Month/Day/Year) Execution Date, if Conversion Security or Exercise any

4. 5. Number of 6. Date Exercisable and TransactionDerivative **Expiration Date** (Month/Day/Year) Code Securities

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

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(Instr. 3) Price of (Month/Day/Year) (Instr. 8) Acquired (A) Derivative Security

or Disposed of (D) (Instr. 3, 4, and 5)

Code V (A) (D) Date Exercisable

Expiration Title Date

Number of Shares

Amount

or

Common

Stock \$ 0.27 05/17/2011 Option

51.852 A (1)

05/17/2011 05/17/2021

Common 51,852 Stock

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

Waksal Harlan

303 GEORGE STREET **SUITE 420**

X

NEW BRUNSWICK, NJ 08901

Signatures

Harlan W. 05/19/2011 Waksal

**Signature of Date 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).
- Such options were issued to Mr. Waksal in lieu of cash compensation under the Company's independent director compensation plan, with such options vesting on the date of grant.

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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