THOMPSON JOHN PHD

Form 4

November 21, 2008

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

OMB

OMB APPROVAL

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

Form 5 obligations may continue. See Instruction

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).

(Print or Type Responses)

1. Name and Address of Reporting Person * THOMPSON JOHN PHD

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Issuer

below)

Symbol

SENESCO TECHNOLOGIES INC

(Check all applicable)

[SNT]

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

X Director 10% Owner X_ Officer (give title

(Month/Day/Year)

11/19/2008

Other (specify

EVP and CSO

4. If Amendment, Date Original Filed(Month/Day/Year)

(Instr. 8)

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

(T)

(Instr. 4)

Person

NEW BRUNSWICK, NJ 08901

(City) (State) (Zip)

303 GEORGE STREET, SUITE 420

(Street)

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

1. Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

(Middle)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D)

5. Amount of Securities Beneficially Owned

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

Ownership

(Instr. 4)

Following Reported

Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

(A)

(Instr. 3, 4 and 5)

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 Conversion Security or Exercise

3. Transaction Date 3A. Deemed

(Month/Day/Year) Execution Date, if any

4. 5. Number of **Transaction**Derivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount Underlying Securitie (Instr. 3 and 4)

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(Instr. 3) Price of (Month/Day/Year) (Instr. 8) Acquired (A) Derivative or Disposed of Security (D) (Instr. 3, 4, and 5) Code V (A) (D) Date Exercisable Expiration Title Amour Date or Numbe of Shar

Common

48,000 Common Stock \$ 0.6 11/19/2008 A 11/19/2008(1) 11/19/2018 48,00 (1) Stock Option

Reporting Owners

Relationships Reporting Owner Name / Address Director 10% Owner Officer Other THOMPSON JOHN PHD 303 GEORGE STREET X **EVP and CSO SUITE 420** NEW BRUNSWICK, NJ 08901

Signatures

John Thompson,

PhD 11/21/2008 **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 granted to Dr. Thompson pursuant to the Company's Stock Incentive Plan, as amended, with such options vesting upon the achievement of certain short-term performance milestones for fiscal 2009, the achievement of which is subject to the determination fo the Company's Compensation Committee.
- (2) Consists of different option grants at different exercise prices and vesting schedules.

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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