

Isabelle Warren John  
 Form 4  
 July 31, 2009

**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

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 \*  
 Isabelle Warren John

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
 303 GEORGE STREET, SUITE 420  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 07/29/2009

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

NEW BRUNSWICK, NJ 08901

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

(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 Ownership (Instr. 4)
			Code	V Amount or (D) Price			
Common Stock	07/29/2009		P	2,222 (1) A \$ 0.9	2,222	D	
Common Stock Warrants	07/29/2009		P	2,000 (2) A \$ 0	2,000	D	
Common Stock Warrants	07/29/2009		P	2,028 (2) A \$ 0	4,028	D	

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

SEC 1474 (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 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)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Reporting Transaction (Instr. 6)
--------------------------------------------	--------------------------------------------------------	--------------------------------------	----------------------------------------------------	--------------------------------	-----------------------------------------------------------------------------------------	----------------------------------------------------------	---------------------------------------------------------------	--------------------------------------------	-------------------------------------------------------------------------------------

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Isabelle Warren John 303 GEORGE STREET SUITE 420 NEW BRUNSWICK, NJ 08901		X		

## Signatures

Warren J. \_\_\_\_\_  
Isabelle \_\_\_\_\_ 07/31/2009

\*\*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).
- (1) On July 29, 2009, the reporting person entered into a Securities Purchase Agreement to purchase (i) 2,222 shares, (ii) 2,000 shares underlying a warrant with an exercise price of \$0.01, which warrant is exercisable immediately and (iii) 2,028 shares underlying a warrant with an exercise price of \$0.60, which warrant is exercisable six months from the date of issuance. The issuance of the foregoing is subject to stockholder approval and the satisfaction of other customary closing conditions.
- (2) Represents shares of common stock underlying warrants, the issuance of which is subject to shareholder approval and the satisfaction of other customary closing conditions.

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.