SEC Form 4

FORM 4

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

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person*	2. Issuer Name **and** Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
Isabelle Warren John	SENESCO TECHNOLOGIES INC [SNT]	

(Last) (First) (Middle)	3. Date of Earliest Transaction (Month/Day/Year)
303 GEORGE STREET	05/25/2010
SUITE 420	

(Street)	4. If Amendment, Date of Original Filed (Month/Day/Year)
NEW BRUNSWICK NJ 08901	

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

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

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

X	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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	05/25/2010		A		3,470[1]	A	$0.3673	22,437	D	
Common Stock	05/25/2010		A		1,487[2]	A	$0.5135	23,924	D	
Common Stock	05/25/2010		C		77,840[3]	A	$0.83	101,764	D	

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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Convertible Debenture Due 12/31/2010	$0.83	05/25/2010		M			$64,607	02/19/2010	12/31/2010	Common Stock	77,840	$0.83	0	D	

Explanation of Responses:

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. Isabelle.

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. Isabelle.

3. Such shares of common stock were issued in connection with the conversion of $64,607 of the Company's 8% convertible notes, at a conversion rate of $0.83, held by Mr. Isabelle.

Warren J. Isabelle	05/27/2010
** Signature of Reporting Person	Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.