

Browne Leslie J
 Form 3
 May 27, 2010

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 *

Â Browne Leslie J
 (Last) (First) (Middle)

303 GEORGE STREET, Â SUITE 420

(Street)

NEW BRUNSWICK, Â NJ Â 08901

(City) (State) (Zip)

2. Date of Event Requiring Statement

(Month/Day/Year)
 05/25/2010

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

4. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

5. 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

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)

2. Amount of Securities Beneficially Owned (Instr. 4)

3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)

4. Nature of Indirect Beneficial Ownership (Instr. 5)

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

SEC 1473 (7-02)

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 control number.

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

1. Title of Derivative Security (Instr. 4)

2. Date Exercisable and Expiration Date (Month/Day/Year)

Date Exercisable Date Expiration

3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)

Title Amount or Number of Shares

4. Conversion or Exercise Price of Derivative Security

5. Ownership Form of Derivative Security: Direct (D) or Indirect (I)

6. Nature of Indirect Beneficial Ownership (Instr. 5)

(Instr. 5)

Common Stock Option 05/25/2011 05/25/2020 Common Stock 1,000,000⁽¹⁾ \$ 0.55 D Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Browne Leslie J 303 GEORGE STREET SUITE 420 NEW BRUNSWICK, NJ 08901	Â	Â	Â President and CEO	Â

Signatures

Leslie J. Browne 05/27/2010

Signature of
Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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) Twentyfive percent of such options become exercisable one year after the date of grant, with 1/36 of such remaining options becoming exercisable each month thereafter.

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Remarks:

Dr. Browne was appointed President and CEO of the Company on May 25, 2010

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.