

SENESCO TECHNOLOGIES INC
 Form 4
 June 17, 2014

FORM 4

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

OMB APPROVAL

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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 *
 FROST PHILLIP MD ET AL

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 4400 BISCAYNE BOULEVARD
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 06/13/2014

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

MIAMI, FL 33137

(City) (State) (Zip)

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

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 Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) | | |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|-----|-------|
| | | | | (A) or (D) | Code | V | Amount | (D) | Price |

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 required to respond unless the form displays a currently valid OMB control number.

SEC 1474
 (9-02)

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

| 1. Title of Derivative Security | 2. Conversion or Exercise | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transaction Code | 5. Number of Derivative Securities Acquired (A) or | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Underlying Security (Instr. 3 and 4) |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|--|--|---|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|--|--|---|

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| (Instr. 3) | Price of Derivative Security | (Month/Day/Year) | (Instr. 8) Code | Disposed of (D) | | Date Exercisable | Expiration Date | Title |
|--------------------|------------------------------|------------------|------------------|----------------------|---------|------------------|-----------------|--------------|
| | | | | (Instr. 3, 4, and 5) | (A) | | | |
| Series A Warrants | \$ 3 | 06/13/2014 | D ⁽¹⁾ | | 333,333 | 12/16/2013 | 06/16/2014 | Common Stock |
| Series FA Warrants | \$ 3 | 06/13/2014 | D ⁽¹⁾ | | 211,626 | 05/16/2014 | 06/16/2014 | Common Stock |
| Series A Warrants | \$ 3 | 06/13/2014 | A ⁽¹⁾ | 333,333 | | 06/13/2014 | 12/16/2014 | Common Stock |
| Series FA Warrants | \$ 3 | 06/13/2014 | A ⁽¹⁾ | 211,626 | | 06/13/2014 | 12/16/2014 | Common Stock |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| FROST PHILLIP MD ET AL 4400 BISCAYNE BOULEVARD MIAMI, FL 33137 | X | X | | |
| Frost Gamma Investments Trust 4400 BISCAYNE BOULEVARD MIAMI, FL 33137 | | X | | |

Signatures

/s/ Phillip Frost,
M.D. 06/17/2014

**Signature of Reporting Person Date

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) The reported transactions involved an amendment of outstanding warrants, resulting in the deemed cancellation of the "old" warrants and the issuance of replacement warrants.
- (2) These securities are held by Frost Gamma Investments Trust, of which the Reporting Person is the trustee and Frost Gamma Limited Partnership is the sole and exclusive beneficiary. The Reporting Person is one of two limited partners of Frost Gamma, L.P. The general partner of Frost Gamma, L.P. is Frost Gamma, Inc., and the sole shareholder of Frost Gamma, Inc. is Frost-Nevada Corporation. The Reporting Person is also the sole shareholder of Frost-Nevada Corporation.

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.