

SENESCO TECHNOLOGIES INC
 Form 4
 May 20, 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)

3. Date of Earliest Transaction (Month/Day/Year)
 05/16/2014

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

4400 BISCAYNE BOULEVARD

(Street)

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

MIAMI, FL US 33137

(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 Price | | | | |
| Common Stock | 05/16/2014 | | A | | 896,504 (2) | A | \$ 0 1,563,170 | I | See Footnote (1) |

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

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SEC 1474 (9-02)

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

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| 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) | | | |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|---|-----------------|--------------|----------------------------|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Warrant | \$ 3 | 05/16/2014 | | A | | 211,626 (2) | | 05/16/2014 | 06/16/2014 | Common Stock | 211,626 |
| Warrant | \$ 4 | 05/16/2014 | | A | | 6,927 (2) | | 05/16/2014 | 06/16/2014 | Common Stock | 6,927 |
| Warrant | \$ 4 | 05/16/2014 | | A | | 233,696 (2) | | 05/16/2014 | 12/16/2016 | Common Stock | 233,696 |
| Warrant | \$ 2 | 05/16/2014 | | A | | 646 (2) | | 05/16/2014 | 09/30/2016 | Common Stock | 646 |
| Warrant | \$ 2 | 05/16/2014 | | A | | 11,688 (2) | | 05/16/2014 | 05/16/2019 | Common Stock | 11,688 |

Reporting Owners

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

Signatures

Phillip Frost,
M.D. 05/20/2014

__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)

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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.

(2) Such securities were acquired in connection with the Company's acquisition of Fabrus, Inc. on May 16, 2014.

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

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