

SENESCO TECHNOLOGIES INC  
 Form 4  
 June 17, 2014

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2015  
 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 \*  
 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 Following 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.

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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)**

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 <sup>(1)</sup>		333,333	12/16/2013	06/16/2014	Common Stock
Series FA Warrants	\$ 3	06/13/2014	D <sup>(1)</sup>		211,626	05/16/2014	06/16/2014	Common Stock
Series A Warrants	\$ 3	06/13/2014	A <sup>(1)</sup>	333,333		06/13/2014	12/16/2014	Common Stock
Series FA Warrants	\$ 3	06/13/2014	A <sup>(1)</sup>	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.