

Van Hulst Jack  
 Form 4  
 November 19, 2010

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL

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**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 \*  
 Van Hulst Jack

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
 303 GEORGE STREET, SUITE 420  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 11/17/2010

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

NEW BRUNSWICK, NJ 08901  
 (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.

**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	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Common Stock Option	\$ 0.26	11/17/2010	A	37,177 <u>(1)</u>					11/17/2010	11/17/2020	Common Stock	37,177
Common Stock Option	\$ 0.26	11/17/2010	A	100,000 <u>(2)</u>					11/17/2010	11/17/2020	Common Stock	100,000
Common Stock Option	\$ 0.26	11/17/2010	A	50,000 <u>(3)</u>					11/17/2010	11/17/2020	Common Stock	50,000
Common Stock Option	\$ 0.26	11/17/2010	A	50,000 <u>(4)</u>					11/17/2011	11/17/2020	Common Stock	50,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Van Hulst Jack 303 GEORGE STREET SUITE 420 NEW BRUNSWICK, NJ 08901	X			

## Signatures

Jack Van Hulst                      11/19/2010  
 \*\*Signature of                      Date  
 Reporting Person

## 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) Such options were granted to Mr. Van Hulst in lieu of cash compensation under the Company's independent director compensation plan with such options vesting on the date of grant.
- (2) One-half of such options vest on the date of grant and one-half of such options will vest on 11-17-2011.
- (3) Such options were granted to Mr. Van Hulst as compensation for his services as President and CEO of the Company with such options vesting on the date of grant.
- (4) Such options were granted to Mr. Van Hulst as compensation for his services as President and CEO of the Company. Twenty-five percent of such options will vest on the first anniversary of the date of grant with the balance vesting at a rate of 1/36 for each month thereafter.

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.