

☐ 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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person* <u>Van Hulst Jack</u> (Last) (First) (Middle) <u>303 GEORGE STREET</u> <u>SUITE 420</u> (Street) <u>NEW</u> <u>NJ</u> <u>08901</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>SENESCO TECHNOLOGIES INC [SNT]</u> 3. Date of Earliest Transaction (Month/Day/Year) <u>11/17/2010</u> 4. If Amendment, Date of Original Filed (Month/Day/Year)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
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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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			

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

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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Common Stock Option	\$0.26	11/17/2010		A		37,177 ⁽¹⁾		11/17/2010	11/17/2020	Common Stock	37,177	\$0	415,209	D	
Common Stock Option	\$0.26	11/17/2010		A		100,000 ⁽²⁾		11/17/2010	11/17/2020	Common Stock	100,000	\$0	515,209	D	
Common Stock Option	\$0.26	11/17/2010		A		50,000 ⁽³⁾		11/17/2010	11/17/2020	Common Stock	50,000	\$0	565,209	D	
Common Stock Option	\$0.26	11/17/2010		A		50,000 ⁽⁴⁾		11/17/2011	11/17/2020	Common Stock	50,000	\$0	615,209	D	

Explanation of Responses:

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.

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

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

* 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).

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

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 Number.