FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

wasnington,	D.C.	20549	

OMB APPROVAL								

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

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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)							
Vali Huist Jack					[0.11]							Director	r		10% Ov	ner		
(1 4)	(5	-:	(A 4: -1-11 -)											Officer below)	(give title		Other (s	pecify
(Last)	`	First)	(Middle)			3. Date of Earliest Transaction (Month/Day/Year)						President and CEO						
303 GEORGE STREET				105	05/20/2010								residen	t uniu	CLO			
SUITE 4	20																	
(Street)					4.	4. If Amendment, Date of Original Filed (Month/Day/Year)						6. Individual or Joint/Group Filing (Check Applicable Line)						
NEW	N	IJ	08901										2	K Form fi	led by One	Repo	rting Persor	·
BRUNS	WICK											Form fil Person	filed by More than One Reporting n			ing		
(City)	(5	State)	(Zip)															
		Та	ble I - Nor	n-Deriv	/ativ	/e Se	curities	Acc	quired,	Dis	posed of	, or Ber	eficially	y Owned				
1. Title of Security (Instr. 3) 2. Trans Date (Month/I				action 2A. Deemed Execution Date, if any (Month/Day/Year)		Date,	3. Transaction Code (Instr. 8) 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4) 5)				5. Amour Securities Beneficia Owned Fe Reported	s Form ally (D) o ollowing (I) (In		: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
								Code	v	Amount	Amount (A) or (D)		Transacti	Transaction(s) (Instr. 3 and 4)			su. 4 <i>j</i>	
			Table II -								osed of, convertib			Owned				
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)	ate, Tr	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)		of Securit Underlyin	g Security	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s	e s ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				C	Code		(A)	(D)	Date Exercisa	ıble	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)	ion(s)		
Common Stock	\$0.61	05/20/2010			A		75,000 ⁽¹⁾		05/20/20	010	05/20/2020	Common Stock	75,000	\$0	378,03	32	D	

Explanation of Responses:

1. Such options were issued to Mr. Van Hulst in connection with his service as the Company's President and Chief Executive Officer for the quarter ended March 31, 2010. Such options are exercisable on the date of grant

Jack Van Hulst

05/24/2010

** 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.