FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).	STA

ATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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

Name and Address of Reporting Person* Dondero Richard S						2. Issuer Name and Ticker or Trading Symbol SENESCO TECHNOLOGIES INC [SNT]									5. Relationship of Reporting Person(s) to Is (Check all applicable) Director 10% O Officer (give title Other (/ner
(Last) (First) (Middle) 303 GEORGE STREET SUITE 420			3. Date of Earliest Transaction (Month/Day/Year) 12/16/2004									_	below)		nd D	below)			
(Street) NEW BRUNSY (City)		-	08901 (Zip)		4. If	If Amendment, Date of Original Filed (Month/Day/Year)								6. Inc	•				
		Tab	le I - Non	-Deriva	ative	Sec	curities	Acc	uired, I	Disp	osed o	f, or Be	enef	icially	/ Owned				
1. Title of Security (Instr. 3) 2. Transat Date (Month/D.					Execution Da		Date,	e, Transaction [Code (Instr. 5		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)				5. Amour Securitie Beneficia Owned F	es Form ally (D) of Following (I) (II		rm: Direct or Indirect (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	ount (A) or (D)		Price	Transact (Instr. 3 a	ion(s)			(Instr. 4)
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 D if any (Month/Day/	ate, Tr	Code (Ins				6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amoun of Securities Underlying Derivative Security (Instr. 3 and 4)		curity	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	у	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
				C	ode	v	(A)		Date Exercisabl		xpiration ate	Title	or Nu of	nount mber ares					
Common Stock	\$3.45	12/16/2004			A		10,000		12/16/2004	4 1	2/16/2014	Common	10	,000	\$0	10,000		D	

Explanation of Responses:

1. Such options were granted to Mr. Dondero pursuant to the Company's 1998 Stock Incentive Plan, as amended, with one-third of such options vesting on the date of grant and one-thrid of such options vesting on each of the first and second anniversaries of the date of grant.

Richard S. Dondero

** Signature of Reporting Person

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.