RECTOR DAVID

Form 4 May 27, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** RECTOR DAVID			2. Issuer Name and Ticker or Trading Symbol SENESCO TECHNOLOGIES INC [SNT]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last) 303 GEORGE	(First) STREET, S	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 05/25/2010	_X_ Director 10% Owner Officer (give title below) Other (specify below)				
NEW BRUNS	(Street)	08901	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned					

(City)	(State)	(Zip) 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. Transactio Code (Instr. 8)	Transactiomr Disposed of (D) Code (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	05/25/2010		Code V A	Amount 7,090 (1)	(D)	Price \$ 0.3673	(Instr. 3 and 4) 68,641	D		
Common Stock	05/25/2010		A	3,042 (2)	A	\$ 0.5135	71,683	D		
Common Stock	05/25/2010		C	159,063 (3)	A	\$ 0.83	230,746	D		
Common Stock	05/25/2010		P	15,306	A	\$ 0.5135	246,052	D		
Common Stock	05/25/2010		P	4,694	A	\$ 0.52	250,746	D		

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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 (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. Transactic Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amoun Underlying Securiti (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amor Numl Share
Convertible Debenture Due 12/31/2010	\$ 0.83	05/25/2010		M	\$ 132,022	02/19/2010	12/31/2010	Common Stock	159

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
DECTOD DAVID							

RECTOR DAVID 303 GEORGE STREET SUITE 420

X

NEW BRUNSWICK, NJ 08901

Signatures

David Rector 05/27/2010

**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) Such shares of common stock were issued in lieu of paying cash for interest for the period from 1/1/10 through 3/31/10 on the Company's 8% convertible notes held by Mr. Rector.
- (2) Such shares of common stock were issued in lieu of paying cash for interest for the period from 4/1/10 through 5/24/10 on the Company's 8% convertible notes held by Mr. Rector.
- (3) Such shares of common stock were issued in connection with the conversion of \$64,607 of the Company's 8% convertible notes, at a conversion rate of \$0.83, held by Mr. Rector.

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.

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