

Klaver Paul Edward  
 Form 3  
 March 12, 2012

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Klaver Paul Edward		(Month/Day/Year)	SENESCO TECHNOLOGIES INC [SNT]	
(Last)	(First)	(Middle)	03/12/2012	
134 COLUMBIA STREET				
W., UNIT 18				
(Street)				
WATERLOO, A6 A N2L 3K8				
(City)	(State)	(Zip)		
1. Title of Security		2. Amount of Securities Beneficially Owned	3. Ownership Form: Direct (D) or Indirect (I)	4. Nature of Indirect Beneficial Ownership
(Instr. 4)		(Instr. 4)	(Instr. 5)	(Instr. 5)
Common Stock		10,146,527	D	
Common Stock		206,300	I (1)	By spouse

(Check all applicable)

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

6. Individual or Joint/Group Filing (Check Applicable Line)  
 \_\_\_X\_\_\_ Form filed by One Reporting Person  
 \_\_\_ Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Beneficially Owned**

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

SEC 1473 (7-02)

**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.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security	2. Date Exercisable and Expiration Date	3. Title and Amount of Securities Underlying Derivative Security	4. Conversion or Exercise Price of	5. Ownership Form of Derivative	6. Nature of Indirect Beneficial Ownership
(Instr. 4)	(Month/Day/Year)	(Instr. 4)			(Instr. 5)

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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Derivative Security	Security: Direct (D) or Indirect (I) (Instr. 5)	
Warrants	Â (2)	04/01/2015	Common	625,000	\$ 0.35	D	Â
Warrants	07/12/2012	01/12/2017	Common	1,875,000	\$ 0.286	D	Â
Warrants	09/06/2012	03/06/2017	Common	1,923,077	\$ 0.286	D	Â
Convertible Preferred Stock	Â (3)	Â (3)	Common	200	\$ 0.26	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Klaver Paul Edward 134 COLUMBIA STREET W. UNIT 18 WATERLOO,Â A6Â N2L 3K8	Â	Â X	Â	Â

## Signatures

/s/ Paul Edward Klaver                      03/12/2012

\*\*Signature of Reporting Person                      Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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) Mr. Klaver indirectly owns shares that are beneficially owned directly by Mr. Klaver's spouse for which Mr. Klaver disclaims beneficial ownership.
  - (2) The Warrants are convertible at any time, at the holder's election.
  - (3) The Convertible Preferred Stock is convertible at any time, at the holder's election, and has no expiration date. Each share of Convertible Preferred Stock is convertible into 3,846 shares of Common Stock.

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.