Waksal Harlan Form 4 July 31, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

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OMB APPROVAL

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Check this box

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).

(City)

(Print or Type Responses)

1. Name and Address of Reporting Person * Waksal Harlan

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Issuer

Symbol

SENESCO TECHNOLOGIES INC

(Check all applicable)

[SNT]

(Middle)

(Zip)

(Last) (First) 3. Date of Earliest Transaction

_X__ Director 10% Owner Other (specify Officer (give title

(Month/Day/Year)

303 GEORGE STREET, SUITE 420 07/29/2009

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person Non Derivative Securities Acquired Disposed of ar Ranaficially Ov

below)

NEW BRUNSWICK, NJ 08901

(Street)

(State)

(,)	()	Table 1 - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned							
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Execution Date, if any	Code	4. Securities Acquired on(A) or Disposed of (D)			5. Amount of Securities Beneficially	6. Ownership Form: Direct (D) or	7. Nature of Indirect Beneficial
		(Month/Day/Year)	(Instr. 8) Code V	(Instr. 3, 4	(A) or (D)	Price	Owned Following Reported Transaction(s) (Instr. 3 and 4)	Indirect (I) (Instr. 4)	Ownership (Instr. 4)
Common Stock	07/29/2009		P	15,000 (1)	A	\$ 0.9	15,000	D	
Common Stock Warrants	07/29/2009		P	13,500 (2)	A	\$0	13,500	D	
Common Stock Warrants	07/29/2009		P	13,688 (2)	A	\$0	27,188	D	

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

Persons who respond to the collection of information contained in this form are not

SEC 1474 (9-02)

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	onNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date	Expiration	T:41-	or Name land		
						Exercisable	Date	Title	Number		
				C + V	(A) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Waksal Harlan							
303 GEORGE STREET	X						
SUITE 420	Λ						
NEW BRUNSWICK, NJ 08901							

Signatures

Harlan W.
Waksal

**Signature of Reporting Person

O7/31/2009

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).
- On July 31, 2009, the reporting person entered into a Securities Purchase Agreement to purchase (i) 15,000 shares, (ii) 13,500 shares underlying a warrant with an exercise price of \$0.01, which warrant is exercisable immediately and (iii) 13,688 shares underlying a warrant with an exercise price of \$0.60, which warrant is exercisable six months from the date of issuance. The issuance of the foregoing is subject to stockholder approval and the satisfaction of other customary closing conditions.
- (2) Represents shares underlying warrants, the issuance of which is subject to shareholder approval and the satisfaction of other customary closing conditions.

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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