STALDER RUEDI

Form 4

February 24, 2009

FORM 4

Check this box

if no longer

subject to

Section 16.

Form 4 or

obligations

Form 5

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

SECURITIES

OMB

Expires:

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January 31, 2005

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

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

may continue. See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

STALDER RUEDI

2. Issuer Name and Ticker or Trading

Symbol

SENESCO TECHNOLOGIES INC

[SNT]

(Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year)

303 GEORGE STREET, SUITE 420 02/20/2009

(Street)

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

below)

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

Person

NEW BRUNSWICK, NJ 08901

(City) (State)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Zip)

3. Code (Month/Day/Year)

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

4. Securities TransactionAcquired (A) or Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (I) (Instr. 4) (Instr. 4)

Reported Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

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SEC 1474 (9-02)

number.

(A)

or

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

1. Title of Derivative Security

Conversion or Exercise

3. Transaction Date 3A. Deemed

(Month/Day/Year) Execution Date, if any

4. 5. Number of TransactionDerivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

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(Instr. 3) Price of Derivative Security

(Month/Day/Year) (Instr. 8) Acquired (A)

or Disposed of

(D) (Instr. 3, 4, and 5)

(A)

Code V

(D) Date Exercisable Expiration Date

Title

Amount or Number of Shares

Common

Stock \$ 0.47 Option

02/20/2009

28,191 A (1)

02/20/2009 02/20/2019

Common 28,191 Stock

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

STALDER RUEDI **303 GEORGE STREET SUITE 420**

X

NEW BRUNSWICK, NJ 08901

Signatures

Ruedi Stalder 02/24/2009 **Signature of Date Reporting Person

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).
- Such options were granted to Mr. Stalder in leiu of cash compensation under the Company's independent director compensation plan with (1) such options vesting on the date of grant.

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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