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

SCHEDULE 13G

(Amendment No. 2)

Under the Securities Exchange Act of 1934

	Senesco Technologies, Inc.
	(Name of Issuer)
	Common Stock
	(Title of Class of Securities)
	817208408
	(CUSIP Number)
	December 31, 2003
	(Date of Event Which Requires Filing of This Statement)
Check the ap	propriate box to designate the rule pursuant to which this Schedule
13 (1100)	[] Rule 13d-1(b) [X] Rule 13d-1(c) [] Rule 13d-1(d)
initial fili for any su	der of this cover page shall be filled out for a reporting person's on this form with respect to the subject class of securities, and obsequent amendment containing information which would alter provided in a prior cover page.
to be "filed 1934 ("Act")	cion required on the remainder of this cover page shall not be deemed "for the purpose of Section 18 of the Securities Exchange Act of or otherwise subject to the liabilities of that section of the Act be subject to all other provisions of the Act (however, see the
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CUSIP NO. 8	
1.	NAME OF REPORTING PERSON/S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON
	SENECA CAPITAL, L.P.
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (A) [] (B) [X]
	SEC USE ONLY
 4.	CITIZENSHIP OR PLACE OF ORGANIZATION
	DELAWARE
	5. SOLE VOTING POWER

NUMBER OF SHARES	6. SHARED VOTING POWER
BENEFICIALLY OWNED BY EACH	1,319,620
REPORTING PERSON	7. SOLE DISPOSITIVE POWER
WITH:	0
	8. SHARED DISPOSITIVE POWER
	1,319,620
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	1,319,620
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* []
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
	9.47%
12.	TYPE OF REPORTING PERSON*
	PN
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CUSIP NO. 8172)8408 S	CHEDULE 13G	PAGE 3 OF 8 PAGES		
1.		PERSON/S.S. OR I.R.S	. IDENTIFICATION		
	SENECA CAPITAL AD	VISORS, LLC			
2.			OF A GROUP* (A) [] (B) [X]		
3.	SEC USE ONLY				
4.		ACE OF ORGANIZATION			
	DELAWARE				
		SOLE VOTING POWER			
WWDED OF		0			
NUMBER OF SHARES		SHARED VOTING POWE	R		
BENEFICIALLY OWNED BY		1,319,620			
EACH REPORTING	7.		OWER		
PERSON WITH:		0			
	8.		POWER		
		1,319,620			
9.	AGGREGATE AMOUNT		EACH REPORTING PERSON		
	1,319,620				
10.	CHECK BOX IF THE CERTAIN SHARES	AGGREGATE AMOUNT IN R	OW (9) EXCLUDES		
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	9.47%				
12.	TYPE OF REPORTING				
	00 - LIMITED LIAB	ILITY COMPANY			

 CUSIP NO. 81720		PAGE 4 OF 8 PAGES				
1.	NAME OF REPORTING PERSON/S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON					
	DOUGLAS A. HIRSCH					
2.	CHECK THE APPROPRIATE BOX IF A MEMBE	(B) [X]				
3.	SEC USE ONLY					
 4.	CITIZENSHIP OR PLACE OF ORGANIZATION					
	USA					
	5. SOLE VOTING POWE					
NUMBER OF	0					
NUMBER OF SHARES	6. SHARED VOTING PO)WER				
BENEFICIALLY OWNED BY	1,319,620					
EACH REPORTING	7. SOLE DISPOSITIVE	POWER				
PERSON WITH:	0					
	8. SHARED DISPOSITI	VE POWER				
	1,319,620					
 9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
	1,319,620					
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES []					
 11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	9.47%					
 12.	TYPE OF REPORTING PERSON					
	IN					

CUSIP No	. 8172084		SCH	EDULE 13G		Page	5	of 	8	Pages
ITEM 1.										
(a) Name of	Issuer:	Senesco							
(b) Address	of Issuer	's Princip	al Execut	ive Offic	es:				
		George Sti		•		•				
ITEM 2.										
		e of Persons ess or prin zenship:		iness off	ice or, i	If none,	resi	idence	е:	
		Seneca Cap 950 Third New York, (Delaware	Avenue, 2 NY 10022	9th Floor	p)					
		Seneca Cap 950 Third New York, (Delaware	Avenue, 2 NY 10022	9th Floor	company)					
		Douglas A c/o Seneca 950 Third New York, (United St	a Capital Avenue, 2 NY 10022							
Item 2(d).	Title of (Class of S	ecurities		stock,				
Item 2(e).	CUSIP Numb		208408						
		TATEMENT IS			RULE 13D)-1(B),	OR 13	3D-2(I	В),	CHECK
(a)		ker or Deal		ered unde	r Sectior	15 of	the A	Act		
(b)	[] Ban [] Ins	k as define urance Comp	ed in sect bany as de							•
(d)	[] Ìnv	U.S.C. 780 restment Co pany Act of	mpany re			ection 8	of t	the I	nves	tment
(e)	[] Inv	restment Act of risers Act of	dviser reg	istered u	nder sect		of	the I	nves	tment
(f)	[] Emp pro	loyee Bene visions of	efit Plan the Emplo	, Pensio yee Reti	n fund rement I	which income S	Securi	ity A	ct o	
(g)	[] A P	4 or Endowr	ing Compan	y or co	ntrol pe	erson, i				with
(h)	[] A S	tion 240.13 avings Ass osit Insura	sociation	as defin	ed in Sec	em /) ction 3	3(b) (of the	e Fe	deral

SCHEDULE 13G CUSIP No. 817208408 Page 6 of 8 Pages (i) [] A Church Plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3) [] Group, in accordance with Section 240.13d-1(b)(1)(ii)(J) (j) If this statement is filed pursuant to Rule 240.13d-1(c), check this box. [X] ITEM 4. OWNERSHIP Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1. SENECA CAPITAL, L.P.(1) (a) Amount Beneficially Owned: 1,319,620 (b) Percent of Class: 9.47% (c) Number of shares as to which such person has: (i) sole power to vote or to direct the vote: (ii) shared power to vote or to direct the vote: 1,319,620 (iii)sole power to dispose or to direct the disposition of: 0 (iv) shared power to dispose or to direct the disposition of:1,319,620 SENECA CAPITAL ADVISORS, LLC (2) (a) Amount Beneficially Owned: 1,319,620 -----(b) Percent of Class: 9.47% (c) Number of shares as to which such person has: (i) sole power to vote or to direct the vote: 0 (ii) shared power to vote or to direct the vote: 1,319,620 (iii)sole power to dispose or to direct the disposition of: 0 (iv) shared power to dispose or to direct the disposition of:1,319,620 DOUGLAS A. HIRSCH (3) (a) Amount Beneficially Owned: 1,319,620 (b) Percent of Class: 9.47%

(c) Number of shares as to which such person has:

(i) sole power to vote or to direct the vote:

(ii) shared power to vote or to direct the vote: 1,319,620

(iii)sole power to dispose or to direct the disposition of: 0

(iv) shared power to dispose or to direct the disposition of:1,319,620

Includes 897,679 shares of common stock which Seneca Capital, L.P. has (1)a right to acquire upon the exercise of warrants.

Shares reported for Seneca Capital Advisors, LLC represent shares (2) beneficially owned by Seneca Capital, L.P. Seneca Capital Advisors, LLC is the sole general partner of Seneca Capital, L.P.

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(3) Shares reported for Douglas A. Hirsch represent shares beneficially owned by Seneca Capital, L.P. which may be deemed to be controlled by Mr. Hirsch because he is the Manager of Seneca Capital Advisors, LLC (the sole General Partner of Seneca Capital, L.P.).

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [].NOT APPLICABLE.

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON

If any other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, such securities, a statement to that effect should be included in response to this item and, if such interest relates to more than five percent of the class, such person should be identified. A listing of the shareholders of an investment company registered under the Investment Company Act of 1940 or the beneficiaries of employees benefit plan, pension fund or endowment fund is not required. NOT APPLICABLE.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY

If a parent holding company has filed this schedule, pursuant to Rule 13d-1(b)(ii)(G), so indicate under Item 3(g) and attach an exhibit stating the identity and the Item 3 classification of the relevant subsidiary. If a parent holding company has filed this schedule pursuant to Rule 13d-1(c), attach an exhibit stating the identification of the relevant subsidiary. NOT APPLICABLE.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

If a group has filed this schedule pursuant to Rule 13d-1(b)(ii)(J), so indicate under Item 3(h) and attach an exhibit stating the identity and Item 3 classification of each member of the group. If a group has filed this schedule pursuant to Rule 13d-1(d), attach an exhibit stating the identity of each member of the group. NOT APPLICABLE.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP

Notice of dissolution of a group may be furnished as an exhibit stating the date of the dissolution and that all further filings with respect to transactions in the security report on will be filed, if required, by members of the group, in their individual capacity. NOT APPLICABLE.

ITEM 10. CERTIFICATION

By signing below, I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I hereby certify that the information set forth in this statement is true, complete and correct.

Date: February 12, 2004

SENECA CAPITAL, L.P.

By Seneca Capital Advisors, LLC, its General Partner

By: /s/ Douglas A. Hirsch -----Douglas A. Hirsch, Its Managing Member

SENECA CAPITAL ADVISORS, LLC

By: /s/ Douglas A. Hirsch Douglas A. Hirsch, Its Managing Member

By: /s/ Douglas A. Hirsch -----

Douglas A. Hirsch, Individually