REGENERATION TECHNOLOGIES INC Form SC 13G/A February 13, 2008

> UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 SCHEDULE 13G/A UNDER THE SECURITIES EXCHANGE ACT OF 1934 (AMENDMENT NO. 6)*

> > REGENERATION TECHNOLOGIES, INC. (Name of Issuer)

COMMON STOCK (Title of Class of Securities)

> 75886N100 (CUSIP Number)

DECEMBER 31, 2007 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

|_| Rule 13d-1(b) |X| Rule 13d-1(c) |_| Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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 CONTROL NUMBER.

SEC 1745 (12-02)

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1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)					
	NEIL GAG	GNON				
2.	CHECK THE APPROPRIATE BOX IF A GROUP*					
3.	SEC USE ONLY					
 4.						
			PLACE OF ORGANIZATION DF AMERICA			
NUMBER OF SHARES			SOLE VOTING POWER			
BENEFICIALLY OWNED BY		6.	SHARED VOTING POWER			
EACH REPORTING		7.	SOLE DISPOSITIVE POWER			
PERSON	WITH:	8.	SHARED DISPOSTIVE POWER			
9.	AGGREGAT	e amoui	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)					
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
12. TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)						

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CUSIP	No.	75886N100	13G/A	Pag	e 3
ITEM	1.				
) Name of Issuer:	REGENERATION TECHNOLOGI	ES, INC.	
	(b) Address of Issuer	's Principal Executive Offices:	11621 RESEARCH CIRCLE ALACHUA, FLORIDA 32615	
ITEM 2	2. (a) Name of Person F	iling: NEIL GAGNON		
	(b		ipal Business Office or, if none, AMERICAS, SUITE 2400 NEW YORK, N		
	(c) Citizenship: US			
	(d) Title of Class o	f Securities: COMMON STOCK		
	(e) CUSIP Number: 86	6615107		
ITEM	(a (b (c (d (f (g (h (i	240.13D-2(B) OR (C) [] Broker or deal) [] Bank as define) [] Insurance comp) [] Investment con (15 U.S.C 80a-8) [] An investment) [] An employee be) [] A parent holdi) [] A parent holdi) [] A savings asson Act (12 U.S.C.) [] A church plan of the Investme	adviser in accordance with ss.240 mefit plan or endowment fund in a ng company or control person in a ciations as defined in Section 3(1813); that is excluded from the definit ment Company Act of 1940 (15 U.S.C	<pre>IG IS A: The Act (15 U.S.C. 780). 15 U.S.C. 78c).) of the Act (15 U.S.C. 78c). 8 of the Investment Company Ac .13d-1(b)(1)(ii)(E); accordance with ss.240.13d-1(b)(accordance with ss. 240.13d-1(b)) b) of the Federal Deposit Insur ion of an investment company un c. 80a-3);</pre>	1) ((1) anc
	(j		ordance with ss.240.13d-1(b)(1)(ii		

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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.

> As of December 31, 2007, Neil Gagnon beneficially owned 3,550,548 shares of Common Stock of Regeneration Technologies, Inc., which amount includes (i) 493,172 shares beneficially owned by Mr. Gagnon over which he has sole voting power and sole dispositive power; (ii) 72,687 shares beneficially owned by Mr. Gagnon over which he has sole voting power and shared dispositive power; (iii) 312,552 shares beneficially owned by Lois Gagnon, Mr. Gagnon's wife, over which he has shared voting power and shared dispositive power; (iv) 17,370 shares beneficially owed by Mr. Gagnon and Mrs. Gagnon as Joint Tenants with Rights of Survivorship, over which he has shared voting power and shared dispositive power; (v) 70,217 shares held by the Lois E. and Neil E. Gagnon Foundation (the "Foundation"), of which Mr. Gagnon is a trustee and over which he has shared voting power and shared dispositive power; (vi) 108,185 shares held by the Gagnon Family Limited Partnership (the "Partnership") of which Mr. Gagnon is a partner and over which he has shared voting power and shared dispositive power; (vii) 90,825 shares held by the Gagnon Grandchildren Trust (the "Trust") over which Mr. Gagnon has shared dispositive power but no voting power; (viii) 1,017,016 shares held by four hedge funds (collectively, the "Funds"), of which Mr. Gagnon is either the principal executive officer of the manager or the managing member of a member of the general partner or the managing member and over which he has sole dispositive power and sole voting power; (ix) 3,207 shares held by the Gagnon Securities LLC Profit Sharing Plan and Trust (the "Plan") of which Mr. Gagnon is a Trustee and over which Mr. Gagnon has sole dispositive power and sole voting power; (x) 8,776 shares held by the Plan over which Mr. Gagnon has shared dispositive power and sole voting power; and (xi) 1,356,541 shares held for certain customers of Gagnon Securities LLC, of which Mr. Gagnon is the managing member and the principal owner and over which he has shared dispositive power but no voting power. 11.88% beneficially owned by Mr. Gagnon. Calculation of percentage of beneficial ownership is based on 29,878,864 shares of Issuer's Common Stock outstanding on October 31, 2007 as reported by the Issuer in its Form 10-Q for the period ended September 30,

> > 2007.

(a) Amount beneficially owned:

(b) Percent of class:

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(c)	Number of shares as to which the (i) Sole power to vote or to	±	
	(ii) Shared power to vote or	to direct the vote:	
	<pre>(iii) Sole power to dispose or of: (iv) Shared power to dispose of:</pre>	r to direct the disposition e or to direct the dispositio	n
ITEM 5-9	Not Applicable		

Filing of this statement by Mr. Gagnon shall not bee deemed an admission that he beneficially owns the securities reported herein as held in customer accounts at Gagnon Securities LLC or by the Foundation, the Partnership, the Trust, the Funds or the Plan. Mr. Gagnon expressly disclaims beneficial ownership of all securities held in such customer accounts or by the Foundation, the Partnership, the Trust, the Funds or Plan. No single client's interest as reported in the customer accounts at Gagnon Securities LLC exceeds 5% of the outstanding Common Stock of the Issuer.

ITEM 10. CERTIFICATION

The following certification shall be included if the statement is filed pursuant to ss.240.13d-1(b):

(a)

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 or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect. [X]

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SIGNATURE

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

February 11, 2008 -----Date

Neil Gagnon

/s/ Neil Gagnon -----Signature

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. SEE ss.240.13d-7 for other parties for whom copies are to be sent.

ATTENTION: INTENTIONAL MISSTATEMENTS OR OMISSIONS OF FACT CONSTITUTE FEDERAL CRIMINAL VIOLATIC