### **UNITED STATES**

### SECURITIES AND EXCHANGE COMMISSION

**WASHINGTON, D.C. 20549** 

FORM 8-K

**CURRENT REPORT** 

PURSUANT TO SECTION 13 OR 15(D) OF THE

**SECURITIES EXCHANGE ACT OF 1934** 

Date of Report (Date of earliest event reported) October 25, 2007

# REGENERATION TECHNOLOGIES, INC.

(Exact Name of Registrant as Specified in its Charter)

Delaware (State or Other Jurisdiction 0-31271 (Commission File Number) 59-3466543 (IRS Employer

of Incorporation)

Identification No.)

11621 Research Circle, Alachua, Florida (Address of Principal Executive Offices)

32615 (Zip Code)

Registrant s telephone number, including area code: (386) 418-8888

Not Applicable

(Former Name or Former Address, if Changed Since Last Report)

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- " Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4 (c) under the Exchange Act (17 CFR 240.13e-4(c))

#### Item 2.02. Results of Operations and Financial Condition.

On October 25, 2007, Regeneration Technologies, Inc. issued a press release announcing its financial results for the quarter ended September 30, 2007. A copy of this press release is furnished herewith as Exhibit 99.1.

#### Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

99.1 Press Release dated October 25, 2007.

#### **SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

REGENERATION TECHNOLOGIES, INC.

/s/ Thomas F. Rose

By:

Name: Thomas F. Rose

Date: October 25, 2007 Title: Vice President and Chief Financial Officer

#### EXHIBIT INDEX

99.1 Regeneration Technologies, Inc. press release dated October 25, 2007.