SPECTRX INC Form 8-K May 07, 2007

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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): May 7, 2007 (May 1, 2007)

SPECTRX, INC.

(Exact Name of Registrant as Specified in Its Charter)

Delaware0-2217958-2029543(State or Other Jurisdiction of Incorporation)(Commission File Number)(IRS Employer Identification No.)

4955 Avalon Ridge Pkwy, Suite 300 Norcross, Georgia (Address of Principal Executive Offices) **30071** (Zip Code)

Registrant's Telephone Number, Including Area Code: (770) 242-8723

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

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))

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Item 5.02. Departure of Directors or Certain Officers; Election of Directors; Appointment of Principal Officers; Compensatory Arrangements of Certain Officers.

SIGNATURES

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Item 5.02. **Departure of Directors or Certain Officers; Election of Directors; Appointment of Principal Officers; Compensatory Arrangements of Certain Officers.**

On May 1, 2007, the resignation of William "Bill" D. Arthur, III, as Corporate Secretary of the Company became effective.

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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.

SPECTRX, INC.

/s/ MARK A. SAMUELS

By: Mark A. Samuels

CEO & CFO

Date: May 7, 2007.