

CRDENTIA CORP  
Form 8-K  
August 11, 2008

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**

Washington, DC 20549

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**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): **August 5, 2008**

**CRDENTIA CORP.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or Other Jurisdiction of  
Incorporation)

**000-31152**  
(Commission  
File Number)

**76-0585701**  
(I.R.S. Employer  
Identification Number)

**5001 LBJ Freeway, Suite 850**  
**Dallas, Texas 75244**

(Address of Principal Executive Offices) (Zip Code)

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(972) 850-0780

(Registrant's telephone number, including area code)

(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 ( *see* General Instruction A.2. below):

- o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  
  - o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  
  - o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  
  - o 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  
Principal Officers.**

**Departure of Directors or Principal Officers; Election of Directors; Appointment of**

On August 5, 2008, William J. Nydam resigned as a member of the Board of Directors of Crdentia Corp. to pursue other interests.

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.

CRDENTIA CORP.

August 11, 2008

By:

/s/ James J. TerBeest  
James J. TerBeest  
Chief Financial Officer