

**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 3, 2005

Southern Star Central Corp.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction
of incorporation)

333-110979

(Commission
File Number)

04-3712210

(IRS Employer
Identification No.)

4700 Highway 56, Owensboro, KY

(Address of principal executive offices)

42301

(Zip Code)

Registrant's telephone number, including area code: (270) 852-5000

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 C.F.R. 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 C.F.R. 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 C.F.R. 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 C.F.R. 240.13e-4(c))
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Item 7.01. Regulation FD Disclosure.

On October 3, 2005, Southern Star Central Corp. announced that its offer to repurchase its 8.50% Senior Secured Notes Due 2010 expired with no notes tendered and accepted for payment. A copy of the press release is attached as Exhibit 99.1 to this current report on Form 8-K and is incorporated herein by reference. The information in this report (including Exhibit 99.1) shall not be deemed to be “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the Exchange Act), or otherwise subject to the liability of that section, and shall not be incorporated by reference into any registration statement or other document filed under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such filing.

Item 9.01. Financial Statements and Exhibits.

(c) *Exhibits*

99.1 Press Release, dated October 3, 2005.

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.

SOUTHERN STAR CENTRAL CORP.

Date: October 3, 2005

/s/ Susanne W. Harris

Susanne W. Harris

Vice President, Chief Financial Officer
and Treasurer