PEABODY ENERGY CORP Form 8-K August 13, 2008

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) August 13, 2008

PEABODY ENERGY CORPORATION

(Exact name of registrant as specified in its charter)

Delaware 1-16463 13-4004153

(State or other jurisdiction of incorporation or organization)

(Commission File Number) (I.R.S. Employer Identification No.)

701 Market Street, St. Louis, Missouri(Address of principal executive offices)

63101-1826
(Zip Code)

Registrant s telephone number, including area code

(314) 342-3400

N/A

(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:

- 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))

Item 7.01. Regulation FD Disclosure.

On August 13, 2008, Richard A. Navarre, President and Chief Commercial Officer of Peabody Energy Corporation (Peabody), will make a presentation to securities analysts at the UBS 2008 Houston Energy Field Trip in Houston, Texas. A related written presentation is furnished as Exhibit 99.1 hereto.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No. Description of Exhibit

99.1 Peabody written presentation dated August 13, 2008.

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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.

PEABODY ENERGY CORPORATION

August 13, 2008 By: /s/ Kenneth L. Wagner

Name: Kenneth L. Wagner

 ${\bf Title:} \quad \textit{Vice President, Assistant General} \\$

Counsel and Assistant Secretary

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EXHIBIT INDEX

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