

PEABODY ENERGY CORP

Form 8-K

February 21, 2007

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) February 21, 2007

PEABODY ENERGY CORPORATION

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of
incorporation or organization)

1-16463

(Commission File Number)

13-4004153

(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:

- 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 7.01. Regulation FD Disclosure.

On February 21, 2007, Peabody Energy Corporation (Peabody) presented at the Morgan Stanley Basic Materials Conference. A copy of Peabody s presentation is attached hereto as Exhibit 99.1.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No.	Description of Exhibit
99.1	Peabody presentation given February 21, 2007 to investors at the Morgan Stanley Basic Materials Conference.

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

February 21, 2007

By: */s/ Alexander C. Schoch*

Name: *Alexander C. Schoch*

Title: *Executive Vice President Law and
Chief Legal Officer*