

PEABODY ENERGY CORP

Form 8-K

August 17, 2010

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**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 17, 2010  
PEABODY ENERGY CORPORATION  
(Exact name of registrant as specified in its charter)**

<b>Delaware</b> (State or other jurisdiction of incorporation or organization)	<b>1-16463</b> (Commission File Number)	<b>13-4004153</b> (I.R.S. Employer Identification No.)
<b>701 Market Street, St. Louis, Missouri</b> (Address of principal executive offices)		<b>63101-1826</b> (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 August 17, 2010, Peabody Energy Corporation ( Peabody ) management will be meeting with investors in St. Louis, Missouri. 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 2010.

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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 17, 2010*

*By: /s/ Kenneth L. Wagner  
Name: Kenneth L. Wagner  
Title: Vice President, Assistant General  
Counsel  
and Assistant Secretary*

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**EXHIBIT INDEX**

Exhibit No.	Description of Exhibit
99.1	Peabody written presentation dated August 2010.
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