

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**

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