

PEABODY ENERGY CORP  
Form 8-K  
September 23, 2009

**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) September 23, 2009**

**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.)
--------------------------------------------------------------------------------------	--------------------------------------------	-----------------------------------------------------------

**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))
-

**Item 7.01. Regulation FD Disclosure.**

On September 23, 2009, Peabody Energy Corporation ( Peabody ) management will address investors at the Credit Suisse 2009 Global Steel and Mining Conference in London, England. 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 September 23, 2009.

**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**

*September 23, 2009*

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

3

---

**EXHIBIT INDEX**

Exhibit No.	Description of Exhibit
99.1	Peabody written presentation dated September 23, 2009.