

PEABODY ENERGY CORP  
 Form 4  
 December 13, 2010

**FORM 4**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549**

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**COLEY WILLIAM A**

(Last) (First) (Middle)

**C/O PEABODY ENERGY CORPORATION, 701 MARKET STREET**

(Street)

**ST. LOUIS, MO 63101**

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol

**PEABODY ENERGY CORP [BTU]**

3. Date of Earliest Transaction (Month/Day/Year)

**12/09/2010**

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)

Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock	12/09/2010		M		4,331 A \$ 10.2122	17,413	D
Common Stock	12/09/2010		M		4,525 A \$ 11.965	21,938	D
Common Stock	12/09/2010		S		4,331 D \$ 62 <sup>(1)</sup>	17,607	D
Common Stock	12/09/2010		S		4,525 D \$ 61.92 <sup>(2)</sup>	13,082	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Director Stock Option (right to buy)	\$ 10.2122	12/09/2010		M	4,331	<u>(3)</u> 03/22/2014	Common Stock	4,331
Director Stock Option (right to buy)	\$ 11.965	12/09/2010		M	4,525	<u>(6)</u> 05/06/2014	Common Stock	4,525

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
COLEY WILLIAM A C/O PEABODY ENERGY CORPORATION 701 MARKET STREET ST. LOUIS, MO 63101	X			

## Signatures

William A.Coley By: Kenneth L. Wagner  
Attorney-in-Fact 12/13/2010

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) This represents the weighted average sale price for the shares. The shares were sold in multiple transactions at prices ranging from \$61.97 to \$62.05 per share, inclusive. The reporting person will provide upon request by the SEC staff, the issuer or a security holder of the issuer, full information regarding the number of shares sold at each separate price.

(2) This represents the weighted average sale price for the shares. The shares were sold in multiple transactions at prices ranging from \$61.91 to \$61.97 per share, inclusive. The reporting person will provide upon request by the SEC staff, the issuer or a security holder of the issuer, full information regarding the number of shares sold at each separate price.

(3) The options vested in three equal annual installments beginning March 22, 2005.

(4) Not applicable.

(5) Does not include director stock options with different expiration dates and exercise prices.

(6) The options vested in three equal annual installments beginning May 6, 2005.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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