FIEHLER SHARON D

Form 4

December 14, 2010

OMB APPROVAL

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Form filed by More than One Reporting

Person

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

Check this box if no longer subject to Section 16. Form 4 or

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

Form 5 obligations may continue. See Instruction

1(b).

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 * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading FIEHLER SHARON D Issuer Symbol PEABODY ENERGY CORP [BTU] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner Other (specify _X__ Officer (give title 701 MARKET STREET 12/13/2010 below) EVP - Chief Admin. Officer (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person

ST. LOUIS, MO 63101

(City)	(State)	(Zip) Tab	le I - Non-l	Derivative	Secui	ities Acquir	ed, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2. Transaction Date 2A. Deemed Execution Date, if any (Month/Day/Year)		3. 4. Securities Acquired (A) Transactionor Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or				6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	12/13/2010		Code V $M_{\underline{(1)}}$	Amount 47,785	(D)	Price \$ 39.8143	(Instr. 3 and 4) 47,785	D	
Common Stock	12/13/2010		M <u>(1)</u>	20,071	A	\$ 34.9553	67,856	D	
Common Stock	12/13/2010		M <u>(1)</u>	11,544	A	\$ 26.84	79,400	D	
Common Stock	12/13/2010		S(1)	79,400	D	\$ 62.99 (2)	0	D	
Common Stock							67,134	I	By Family LLC

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

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SEC 1474 (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. Transactio Code (Instr. 8)			6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Employee Stock Option (right to buy)	\$ 39.8143	12/13/2010		M(1)		47,785	01/03/2009	01/03/2016	Common Stock	47,785
Employee Stock Option (right to buy)	\$ 34.9553	12/13/2010		M(1)		20,071	<u>(5)</u>	01/03/2017	Common Stock	20,071
Employee Stock Option (right to buy)	\$ 26.84	12/13/2010		M(1)		11,544	01/05/2010	01/05/2019	Common Stock	11,544

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				

FIEHLER SHARON D 701 MARKET STREET ST. LOUIS, MO 63101

EVP - Chief Admin. Officer

Signatures

Sharon D. Fiehler By: Kenneth L. Wagner Attorney-in-Fact

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**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 exercise/sale was effected pursuant to a pre-existing Rule 10b5-1 trading plan adopted by the reporting person.
 - This represents the weighted average sale price for the shares. The shares were sold in multiple transactions at prices ranging from \$62.54
- (2) to \$63.17 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) Not applicable.
- (4) Does not include employee stock options with different expiration dates and exercise prices.
- (5) 10,035 options vested on January 3, 2009 and 10,036 options vested on January 3, 2010.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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