

PEABODY ENERGY CORP
 Form 4
 December 26, 2007

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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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 *
BOYCE GREGORY H

(Last) (First) (Middle)

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)
 12/26/2007

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)
 Chairman and CEO

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		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 Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)			
Common Stock	12/26/2007		M	(1)	33,456	A	\$ 7.9674	133,456 (2)	D
Common Stock	12/26/2007		S	(1)	100	D	\$ 62.03	133,356 (2)	D
Common Stock	12/26/2007		S	(1)	2,262	D	\$ 62.02	131,094 (2)	D
Common Stock	12/26/2007		S	(1)	200	D	\$ 62.0125	130,894 (2)	D
Common Stock	12/26/2007		S	(1)	500	D	\$ 62.01	130,394 (2)	D

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- (2) Does not include 4,329 shares acquired pursuant to the Company's Employee Stock Purchase Plan.
- (3) Not applicable.
- (4) Does not include an additional 829,448 options with different expiration dates and exercise prices.

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