BOYCE GREGORY H Form 3/A January 14, 2011 FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 OMB

INITIAL STATEMENT OF 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

OMB APPROVAL

OMB Number: 3235-0104 Expires: January 31, 2005 Estimated average burden hours per response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person <u>*</u> BOYCE GREGORY H			2. Date of Event Requiring Statement (Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol PEABODY ENERGY CORP [BTU]				
(Last) (F PEABODY EN CORPORATIO MARKET STR	N, 701	(Middle)	10/21/2003	4. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner			5. If Amendment, Date Original Filed(Month/Day/Year) 10/21/2003	
(Street) ST. LOUIS, MO 63101				XOfficerOther (give title below) (specify below) Chairman and CEO			6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person	
(City) (S	tate)	(Zip)	Table I - I	Non-Deriva	tive Securiti	es Ber	neficially Owned	
1.Title of Security (Instr. 4)			2. Amount o Beneficially (Instr. 4)	of Securities Owned	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Natu Owner (Instr.	•	
Common Stock			10,000 (1)		Ι	By Fa	amily Trust	
Reminder: Report of owned directly or in		te line for ea	ch class of securities benefic	cially S	SEC 1473 (7-02))		
	informa require	ation conta d to respo	oond to the collection of nined in this form are no nd unless the form disp //B control number.	t				
Table	e II - Deri	vative Secu	rities Beneficially Owned (e.g., puts, calls	, warrants, opt	ions, co	onvertible securities)	

1. Title of Derivative Security	2. Date Exercisable and	3. Title and Amount of	4.	5.	6. Nature of Indirect
(Instr. 4)	Expiration Date	Securities Underlying	Conversion	Ownership	Beneficial Ownership
	(Month/Day/Year)	Derivative Security	or Exercise	Form of	(Instr. 5)
		(Instr. 4)	Price of	Derivative	
			Derivative	Security:	

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Date Exercisable	Expiration Date	Title	Amount or Number of	Security	Direct (D) or Indirect
			Shares		(I) (Instr. 5)

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
BOYCE GREGORY H PEABODY ENERGY CORPORATION 701 MARKET STREET ST. LOUIS, MO 63101	ÂX	Â	Chairman and CEO	Â		
Signatures						
Gregory A. Boyce By Kenneth L. Wagner Attorney-in-fact			01/14/2011			
**Signature of Reporting Person			Date			
Explanation of Responses:						

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 5(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) Consists of 10,000 shares of restricted Common Stock, par value \$0.01 per share.

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Remarks:

This amendment to Form 3 is being filed to correct the ownership form for the securities benefici

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.