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(h)

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

1. Name and Address of Reporting Person* JENNINGS BRIAN J					2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]										5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
JENNI.	NGS BKI	IAIN J			1				<u> </u>	2101	. 1					X	Direct	or		10% O	wner
(Last) (First) (Middle) ONE CITYPLACE DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 09/14/2007											Office	r (give title)		Other (below)	specify
ONE CI.	I I PLACE	DKIVE			-															/al	
					4. If	f Amer	ndmen	t, Date	of Orig	inal Fi	iled	(Month/D	Day/Yea	ar)		Individ ne)	dual or	Joint/Group	Filin	g (Check A	oplicable
(Street) ST. LOU	IS M	0	63141													X	Form	filed by One	e Rep	orting Perso	on
51. LUU	15 M	U (00141																e tha	ın One Repo	orting
(City)	(9)	tate) ((Zip)														Perso	n			
(City)	(5	iaie) ((4ı <i>)</i>																		
		Tab	le I - Non	-Deriv	ative	Sec	uriti	es A	cquire	ed, D	isp	osed	of, or	Ве	neficia	lly O	wne	d			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					ar) E	xecution any	Deemed ecution Date, ny onth/Day/Year		Code (Instr.					nd S			6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership			
									Со	de \	,	Amount	unt (A) or (D)		Price	1	Reported Transaction(s) Instr. 3 and 4)				(Instr. 4)
		T	able II - [Derivat e.g., pı												y Ow	ned				
						Laiis	1									_					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Day	Date, 1	4. Transactio Code (Inst				6. Date Exercisabl Expiration Date (Month/Day/Year)				7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)		Security	Deriv Secu	Price of erivative ecurity nstr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	y	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercis	sable	Ex Da	piration te	Title		Amount or Number of Shares						
Phantom	(1)	09/14/2007		\neg	A		7		(2))		(2)	Comn	non	7	\$3	2.86	3,432	\neg	D	

Explanation of Responses:

- 1. Each share of phantom stock represents a right to receive the value in cash of one share of Arch Coal, Inc. common stock. The shares of phantom stock are held by the director through the Arch Coal, Inc. Deferred Compensation Plan for Non-Employee Directors (the "Plan") and represent past compensation that the director elected to defer under the Plan into a hypothetical investment in shares of Arch Coal, Inc. common stock and/or dividends attributable to such deferred amounts.
- 2. Shares of phantom stock are payable in cash following termination of the director's service as a director of Arch Coal, Inc. The director may transfer amounts held in the phantom stock account into an alternative investment account at any time.

Remarks:

/s/ Gregory A. Billhartz, Attorney-in-Fact 09/17/2007

** Signature of Reporting Person Date

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

- * 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).

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.