FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL								
OMB Number:	3235-0287							
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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).

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

1. Name and Address of Reporting Person* BURKE FRANK M			2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)								
DURKE FRANK W													V Direct	or	10	% Owr	ner		
(Last) (First) (Middle)						3. Date of Earliest Transaction (Month/Day/Year) 03/14/2008									Office below	r (give title)		ner (sp ow)	pecify
ONE CITYPLACE DRIVE			1	33,1,1,200															
,					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable					
(Street)														Line	,	r:			
ST. LOU	IS M	0	63141											4	_	filed by One			
-														Form Perso	filed by More n	than One I	Report	ing	
(City)	(S	tate)	(Zip)																
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					ction							5. Amou				7. Nature			
					ay/Year) if any			ecution Date, any onth/Day/Year)		Code (Instr. 5)		ed Of (D) (Instr. 3, 4		Benefic		ially Following	Form: Direc (D) or Indire (I) (Instr. 4)	t B	of Indirect Beneficial Ownership
								Code V		1.	unt (A) or D			Reporte Transac			(Instr. 4)	nstr. 4)	
										V_	Amount (A) or P		rice	(Instr. 3 and 4)					
		т	able II - D	erivat	ive S	Secu	rities	Aca	uired. D	ispo	sed of	or Ber	nefici	iallv	Owned				
		_							s, optior										
1. Title of	2.	3. Transaction	3A. Deemed	d 4	ı.		5. Nu	mber	6. Date Ex	ercisa	ble and	7. Title ar	nd		8. Price of	9. Number o	of 10.		11. Nature
Derivative Security (Instr. 3)	Conversion or Exercise Price of	Date (Month/Day/Year)	Execution Date, if any (Month/Day/Year		Transacti Code (Ins				Expiration Date (Month/Day/Year)			Amount of Securities Underlying			Derivative Security (Instr. 5)	derivative Securities Beneficially	Owner Form: Direct	' [:	of Indirect Beneficial Ownership
Derivative						Acquired Derivative Secur							(111341.0)	Owned	or Indi	ect	(Instr. 4)		
Security							(A) or Unstr. 3 and 4)								Following Reported	(I) (Inst	r. 4)		
					of (D) (Instr. 3, 4								Transaction(s) (Instr. 4)	(s)					
				and 5)									(5 4)						
													Amo	unt					
													or Num	ber					
				,	Code	v	(A)	(D)	Date Exercisab		xpiration ate	Title	of Shar						
Dlaman						-	(,,	(-,		+			1				_	\dashv	
Phantom Stock	(1)	03/14/2008			Α		55		(2)		(2)	Common	5	5	\$45.13	35,693	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"). The shares of phantom stock acquired by the director represent dividends attributable to amounts that the director elected to defer under the Plan into a hypothetical investment in shares of Arch Coal, Inc. common stock.
- 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

03/18/2008

** 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.

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