SEC Form 5

FORM 5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Form 4 Transactions Poported

Form 3 Holdings Reported.

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

OMB APPROVAL

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL									
OWNERSHIP									

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	cetono reporteu.		or Section 30(h) of the Investment Company Act of 1940						
1. Name and Add BURKE FR	1 0	Person*	2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
DURKE FN					Director	10% Owner			
(Last)	(First)	(Middle)	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2005	1	Officer (give title below)	Other (specify below)			
ONE CITYPL	ACE DRIVE								
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indi Line)	6. Individual or Joint/Group Filing (Check Applicable Line)				
ST. LOUIS	MO (State)	63141		X	Form filed by One Reporting Person				
(City)					Form filed by More than One Reporting Person				
(City)	(State)	(Zip)							
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									

5. Amount of Securities Beneficially 7. Nature of 1. Title of Security (Instr. 3) 2. Transaction 2A. Deemed 4. Securities Acquired (A) or Disposed 3. Dat Execution Date, if any Transaction Code (Instr. 8) Of (D) (Instr. 3, 4 and 5) Ownership Indirect Beneficial Form: Direct (D) or Indirect (I) (Month/Day/Year) Owned at end of Issuer's Fiscal Year (Instr. 3 and (Month/Day/Year) Ownership (Instr. 4) (A) or (D) Price Amount (Instr. 4) 4)

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. Transaction Code (Instr. 8)	5. Nu of Deriv Secu Acqu (A) of Dispo of (D) (Instr and 5	ative rities ired osed	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Phantom Stock	(1)	03/15/2005		А	30		(2)	(2)	Common Stock	30	\$43.05	16,075	D	
Phantom Stock	(1)	03/31/2005		A	233		(2)	(2)	Common Stock	233	\$43.01	16,307	D	
Phantom Stock	(1)	06/15/2005		A	24		(2)	(2)	Common Stock	24	\$54.71	16,331	D	
Phantom Stock	(1)	07/01/2005		А	182		(2)	(2)	Common Stock	182	\$55.03	16,513	D	
Phantom Stock	(1)	09/14/2005		A	21		(2)	(2)	Common Stock	21	\$63.67	16,533	D	
Phantom Stock	(1)	10/01/2005		А	145		(2)	(2)	Common Stock	145	\$69.08	16,678	D	
Phantom Stock	(1)	12/14/2005		А	17		(2)	(2)	Common Stock	17	\$80.05	16,695	D	
Phantom Stock	(1)	12/30/2005		А	126		(2)	(2)	Common Stock	126	\$79.5	16,821	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 certain portions of the phantom stock account into an alternative investment account at any time.

Remarks:

<u>/s/ Gregory A. Billhartz,</u>

Attorney-in-Fact

02/14/2006

** Signature of Reporting Person Date

 $\label{eq:Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.$

* 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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