FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).	STATEMENT OF CHANGES Filed pursuant to Section 16(a) of or Section 30(h) of the Inventor
Name and Address of Departing Dayson*	2 Issuer Name and Ticker

IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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* <u>Taylor Wes M</u>						2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]									lationship ck all appl Direct	icable)	ıg Pei	rson(s) to Iss 10% Ov	
(Last) ONE CIT	(FI	,	(Middle)			Date o /29/2		st Trai	nsaction (M	saction (Month/Day/Year)					Office below	r (give title)		Other (s	specify
(Street) ST. LOU (City)		tate)	63141 (Zip)	- Davis	-	4. If Amendment, Date of Original Filed (Month/Day/Year)								Line) X	Form Form Perso	filed by One filed by Mor n	e Rep	g (Check Ap porting Perso un One Repo	n
Table I - Non-Deriva 1. Title of Security (Instr. 3) 2. Transa Date (Month/D				action	ction 2A. Deemed Execution Date,			3. Transa	ction	4. Secu	ities Acquired (A) or d Of (D) (Instr. 3, 4 and		or and	5. Amou Securiti Benefic	int of es Fori (D) (Following d tion(s)		n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
		Т	able II - I						uired, D s, optior						Owned		,		
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,	4. Transacti Code (Ins		of	r osed (. 3, 4	6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)		S (I	. Price of erivative ecurity nstr. 5)		ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable		Expiration Date	Title	Amou or Numb of Share	er					
Phantom Stock	(1)	06/29/2007			A		647		(2)		(2)	Common Stock	647	7	\$34.8	6,771		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:

/s/ Gregory A. Billhartz, Attorney-in-Fact

07/02/2007

** 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.