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

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1. Name and Address of Reporting Person* <u>Lang Paul A</u>					2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]										neck all app Direc		ng Pers	son(s) to Iss 10% Ov Other (s	wner
(Last) (First) (Middle) ONE CITY PLACE DRIVE SUITE 300				3. Date of Earliest Transaction (Month/Day/Year) 02/23/2009										A belov	below) Senior VP - Operations			. ,	
(Street) ST. LOUIS MO 63141					4. If Amendment, Date of Original Filed (Month/Day/Year)										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)	(Si	ate)	(Zip)																
		Tab	le I - Non-	-Derivat	ive S	ecuriti	ies A	cqu	ired, C	isp	osed	of, or E	3ene	ficia	lly Owne	d			
Date				2. Transact Date (Month/Day	Execution D		ion Dat	te,	Transaction Dispose Code (Instr. 5)		urities Acquired (A) sed Of (D) (Instr. 3,			d Securit Benefic Owned	5. Amount of Securities Beneficially Owned Following		: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	t (A) or)	Price	Reported Transaction(s) (Instr. 3 and 4)				(111501.4)
Common Stock 02/23/				02/23/2	3/2009			M		832	2	A (1)		50	56,566		D		
		Т	able II - D (e	erivativ e.g., put											Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution D if any (Month/Day/	ate, Tra	nsactio de (Insti	n of Ex		Exp	i. Date Exercisable and Expiration Date Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Securi (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly G	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Co	de V	(A)	(D)	Date Exe	e ercisable	Ex Da	piration te	Title	or Nu of	nount imber iares					
Restricted Stock	(2)	02/23/2009		N	1		832		(3)		(4)	Commo	n {	332	(1)	0		D	

Explanation of Responses:

- 1. The reporting person received 2,500 restricted stock units on February 23, 2006. The restricted stock units vest ratably over a three-year period. Upon vesting of 832 restricted stock units on February 23, 2009, the reporting person received 832 shares of common stock.
- 2. Each restricted stock unit represents a right to receive one share of common stock unless otherwise deferred, at the reporting person's election, pursuant to the Arch Coal, Inc. Executive Deferred Compensation Plan.
- 3. The reporting person received 2,500 restricted stock units on February 23, 2006. The restricted stock units vest ratably over a three-year period. On February 23, 2009, 832 restricted stock units vested.
- 4. The restricted stock units do not expire.

Remarks:

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

02/25/2009

** 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.