FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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

					or Sect	ion 30(n) or the i	nvesimer	il Con	ірапу Асі	01 19	140									
1. Name and Address of Reporting Person*					2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]								Relationship neck all appl	suer						
Lang Paul A						2 04 2		X Office below	r (give title		10% O Other (below)	wner specify								
(Last) (First) (Middle) ONE CITY PLACE DRIVE SUITE 300					3. Date of Earliest Transaction (Month/Day/Year) 02/25/2008								S	enior VP	or VP - Operations					
					4. If Am	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street) ST. LOU	IS M	0	63141										X Form	filed by One filed by Mor n		J				
(City)	(S	tate)	(Zip)										. 0.00							
		Та	ble I - No	n-Deriv	ative Se	curities Ac	quired,	Disp	osed o	of, o	r Ben	eficia	lly Owne	d						
1. Title of Security (Instr. 3) 2. Transa Date (Month/D				action Day/Year)	Execution Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A Disposed Of (D) (Instr. 3, 5)			d Securiti Benefic Owned	5. Amount of Securities Beneficially Owned Following Reported		ership Direct ndirect r. 4)	7. Nature of Indirect Beneficial Ownership				
							Code	v	Amount		(A) or (D)	Price	Transac (Instr. 3	tion(s)			(Instr. 4)			
Common Stock 02/25					5/2008		М	м 83			A (1)		5	5,734)				
						urities Acqu s, warrants,		•		•		•	Owned							
1. Title of 2. 3. Transaction 3A. Deemed					4.	5. Number	6. Date Ex	ercisal	ble and	7. Tit	tle and		8. Price of	9. Number	of 10).	11. Nature			

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. Transa Code (8)		of Deriv Secu Acqu (A) o Dispe	r osed) r. 3, 4	6. Date Exerc Expiration Da (Month/Day/\	ate	7. Title an Amount o Securities Underlyin Derivative (Instr. 3 ar	f g Security	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Ownership Form: Direct (D)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Restricted Stock Units	(2)	02/23/2007		M			834	(3)	(4)	Common Stock	834	(1)	832	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 834 restricted stock units on February 25, 2008, the reporting person received 834 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 25, 2008, 834 restricted stock units vested.
- 4. The restricted stock units do not expire. $\,$

Remarks:

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

02/27/2008

** 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.

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.