Lang Paul A Form 4 February 27, 2007

## FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

**OMB APPROVAL** OMB

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Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *Lang Paul A			2. Issuer Name <b>and</b> Ticker or Trading Symbol ARCH COAL INC [ACI]	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)			
ONE CITY PLACE DRIVE, SUITE 300 (Street) ST. LOUIS, MO 63141			(Month/Day/Year) 02/23/2007	Director 10% Owner _X Officer (give title Other (specification) below) Senior VP - Operations			
			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Ac	cauired Disposed of or Reneficially Owne			

	(City)	(511110)	Table	I - Non-De	erivative S	ecuri	ties Ac	quired, Disposed (	of, or Beneficial	ly Owned
1.T	itle of	2. Transaction Date	2A. Deemed	3.	4. Securit	ties		5. Amount of	6. Ownership	7. Nature of
Sec	curity	(Month/Day/Year)	Execution Date, if	Transactio	onAcquired (A) or Disposed of (D)			Securities	Form: Direct	Indirect Beneficial
(In	str. 3)		any	Code				Beneficially	(D) or	
			(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and 5)		Owned	Indirect (I)	Ownership	
								Following	(Instr. 4)	(Instr. 4)
					(A)		Reported			
						(A)		Transaction(s)		
				Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
	ommon ock	02/23/2006		A	834	A	(1)	834	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

#### Edgar Filing: Lang Paul A - Form 4

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. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 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)	<u>(4)</u>	Common Stock	834
Employee Stock Option (right to buy)	\$ 32.99	02/22/2007		M	61,750		<u>(5)</u>	02/21/2017	Common Stock	61,750

# **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Lang Paul A

ONE CITY PLACE DRIVE

SUITE 300 ST. LOUIS, MO 63141 Senior VP - Operations

## **Signatures**

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

02/27/2007

\*\*Signature of Reporting Person

Date

## **Explanation of Responses:**

- \* 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).
- 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 23, 2007, 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 23, 2007, 834 restricted stock units vested.
- (4) The restricted stock units do not expire.
- (5) The option vests in three equal annual installments beginning on February 22, 2008.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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