ARCH COAL INC Form 4 May 08, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

3235-0287 Number:

OMB APPROVAL

January 31, Expires: 2005

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obligations may continue. See Instruction

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

1(b).

(City)

(State)

(Zip)

(Print or Type Responses)

1. Name and Address of Reporting Person * Lang Paul A			2. Issuer Name and 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		E, SUITE	(Month/Day/Year) 05/04/2007	Director 10% OwnerX Officer (give title Other (specify below) Senior VP - Operations			
(Street) ST. LOUIS, MO 63141			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			

		Table 1 - Non-Derivative Securities Acquired, Disposed of, of Deficiciany Owned							
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securit	ies		5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	TransactionAcquired (A) or				Securities	Form: Direct	Indirect
(Instr. 3)		any Code Disposed of (D))	Beneficially	(D) or	Beneficial		
		(Month/Day/Year)	Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5)		5)	Owned	Ownership		
							Following	(Instr. 4)	(Instr. 4)
					(A)		Reported		
					(A)		Transaction(s)		
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common					` /				
Stock	05/04/2007		M	4,900	A	<u>(1)</u>	5,734	D	
STOCK									

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

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Table I. Non-Derivative Securities Acquired Disposed of or Reneficially Owned

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

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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. Transactic Code (Instr. 8)	Securities		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
Performance Rights	(2)	05/04/2007		M		9,800	(3)	12/31/2008	Common Stock	9,800

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

05/08/2007

**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 19,600 performance-contingent phantom shares on July 28, 2005. One-half of the performance contingent phantom shares vest if the average closing price of Arch Coal, Inc.'s common stock for a period of 20 consecutive trading days meets or exceeds \$35.00, subject to the achievement of certain financial performance targets. Upon vesting of 9,800 performance contingent phantom shares on May 4, 2007, the reporting person received 4,900 shares of common stock and \$180,075 in cash.
- (2) Each performance-contingent phantom share represents a right to receive one share of common or the cash value thereof, unless otherwise deferred at the reporting person's election, pursuant to the Arch Coal, Inc. Executive Deferred Compensation Plan.
 - The reporting person received 19,600 performance-contingent phantom shares on July 28, 2005. One-half of the performance-contingent phantom shares vest if the average closing price of Arch Coal's common stock for a period of 20 consecutive trading days meets or
- (3) exceeds \$35.00 and the other half of the performance shares vest if the average closing price of Arch Coal's common stock for a period of 20 consecutive trading days meets or exceeds \$40.00, subject, in each case to the achievement of certain financial performance targets. On May 4, 2007, 9,800 performance-contingent phantom shares vested.

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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