ARCH COAL INC Form 4 June 04, 2008

## FORM 4

#### OMB APPROVAL

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16. Form 4 or TRENEFICIAL OWNERSHIP OF

Number:

Expires:

January 31,
2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF
16.
SECURITIES

Estimated average burden hours per response... 0.5

Form 5 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).

(Print or Type Responses)

1. Name and Add Lang Paul A	ress of Reporti	ing Person *	2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]	5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check an applicable)			
ONE CITY PLACE DRIVE, SUITE 300		E, SUITE	(Month/Day/Year) 06/03/2008	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			

(City)	(State)	(Zip) Tabl	e I - Non-D	erivative	Secur	rities Acq	uired, Disposed o	f, or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securities Acquired n(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	(D) or Endirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)			
Common Stock (1)	06/03/2008		M	5,000	A	\$ 32.99	30,734	D		
Common Stock (1)	06/03/2008		M	5,000	D	\$ 70	25,734	D		

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

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SEC 1474

(9-02)

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

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. 5. Number Transaction Derivati Code Securities (Instr. 8) Acquired (A) or Disposed o (D) (Instr. 3, 4, and 5)		6. Date Exer Expiration D (Month/Day)	ate	7. Title and Underlying (Instr. 3 and	Securities
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Options (1)	\$ 32.99	06/03/2008		M	5,000	(2)	02/22/2017	Common Stock	5,000

## **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Lang Paul A

ONE CITY PLACE DRIVE

SUITE 300 Senior VP - Operations

ST. LOUIS, MO 63141

## **Signatures**

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

06/04/2008

\*\*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).
- (1) The exercise of employee stock options and sale of underlying shares of common stock by the executive officer reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.
- The reporting person received 61,750 stock options on February 22, 2007. The stock options vest ratably over a three year period as (2) follows: 20,584 stock options vested on February 22, 2008; 20,583 stock options vest on February 22, 2009; and 20,583 stock options vest on February 22, 2010.

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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