PERRY A MICHAEL

Form 4

September 17, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

0.5

January 31, Expires: 2005

OMB APPROVAL

Estimated average

burden hours per response...

if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

Check this box

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).

(Last)

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person * PERRY A MICHAEL

(First)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Middle)

ARCH COAL INC [ACI]

(Check all applicable)

ONE CITYPLACE DRIVE

3. Date of Earliest Transaction (Month/Day/Year)

09/14/2012

X_ Director 10% Owner Officer (give title Other (specify below)

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

Code

(Instr. 8)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

(Instr. 4)

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

Owned

ST. LOUIS, MO 63141

(City) (State) (Zip) 1.Title of 2. Transaction Date 2A. Deemed

4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or

Disposed of (D)

(Instr. 3, 4 and 5)

5. Amount of Securities Beneficially

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership

(Instr. 4)

(9-02)

Following Reported (A) Transaction(s)

or (Instr. 3 and 4)

Code V Amount (D) Price

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

(Month/Day/Year)

Persons who respond to the collection of SEC 1474 information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative Conversion Security or Exercise (Instr. 3) Price of

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year)

4. Transactionof Code Derivative (Instr. 8) Securities

5. Number 6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of 8. Price **Underlying Securities** (Instr. 3 and 4)

Derivati Security (Instr. 5)

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Se	ecurity				O (]	A) or Dispos of (D) Instr. nd 5)	sed 3, 4,					
			C	ode V	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Phantom	<u>(1)</u>	09/14/2012		A	1	141		(2)	(2)	Common	141	\$ 7.91

Acquired

Stock

Reporting Owners

Derivative

Reporting Owner Name / Address	Relationships							
1 8	Director	10% Owner	Officer Othe					
PERRY A MICHAEL ONE CITYPLACE DRIVE ST. LOUIS, MO 63141	X							

Signatures

Stock

/s/ Jon S. Ploetz, Attorney-in-Fact 09/17/2012

**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).
- Each share of phantom stock represents a right to receive the value in cash of one share of Arch Coal, Inc. common stock. The shares of phantom stock are held by the director through the Arch Coal, Inc. Deferred Compensation Plan for Non-Employee Directors (the "Plan"). The shares of phantom stock acquired by the director represent dividends attributable to amounts that the director elected to defer under the Plan into a hypothetical investment in shares of Arch Coal, Inc. common stock.
- (2) Shares of phantom stock are payable in cash following termination of the director's service as a director of Arch Coal, Inc. The director may transfer amounts held in the phantom stock account into an alternative investment account at any time.

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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