## SEC Form 4

# FORM 4

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

OMB APPROVAL

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### STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB Number:	3235-0287							
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1. Name and Addres	ss of Reporting Persor	1	2. Issuer Name <b>and</b> Ticker or Trading Symbol ARCH COAL INC [ ACI ]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner					
(Last) (First) (Middle)			3. Date of Earliest Transaction (Month/Day/Year) 02/24/2011	Х	Officer (give title below) Vice President - H	Other (specify below)			
(Street) ST. LOUIS	МО	63141	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	dual or Joint/Group Filing Form filed by One Repo	、 · · ·			
(City)	(State)	(Zip)			Form filed by More than Person	One Reporting			

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Transaction Code (Instr.					5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(1130.4)
Common Stock	02/24/2011		Α		4,800	A	\$0.00	35,763	D	
Common Stock								2,723	Ι	By 401(k) plan

### 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. Transa Code ( 8)		of		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Options	\$32.49	02/24/2011		A		30,550		(1)	02/24/2021	Common Stock	30,550	\$0.00	30,550	D	

Explanation of Responses:

1. The options vest ratably over 3 years as follows: 10,184 shares vest on February 24, 2012; 10,183 shares vest on February 24, 2013; and 10,183 shares vest on February 24, 2014.

**Remarks:** 

/s/ Jon S. Ploetz, Attorney-in-

\*\* Signature of Reporting Person

Fact

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.

02/28/2011

Date