

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

1. Name and Address of Reporting Person* <u>Vining Paul H</u>	2. Date of Event Requiring Statement (Month/Day/Year) <u>06/01/2005</u>	3. Issuer Name and Ticker or Trading Symbol <u>ARCH COAL INC [ACI]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director _____ 10% Owner _____ <input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) _____ <u>Sr. VP - Marketing & Trading</u>	5. If Amendment, Date of Original Filed (Month/Day/Year) <u>06/02/2005</u>
(Last) (First) (Middle) <u>ONE CITYPLACE DRIVE</u>			
(Street) <u>ST. LOUIS MO 63141</u>			
(City) (State) (Zip)			
6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person			

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock</u>	<u>0</u>	<u>D</u>	

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
<u>Restricted Stock</u>	<u>(1)</u>	<u>(2)</u>	<u>Common Stock</u>	<u>25,000</u>	<u>(3)</u>	<u>D</u>

Explanation of Responses:

- The Restricted Stock cliff vests after 5 years (100% on June 1, 2010) assuming continued employment.
- There is no expiration date for the Restricted Stock.
- 1-for-1

Remarks:

/s/ Janet L. Horgan, Attorney- 06/09/2005
in-Fact

** Signature of Reporting Person Date

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 5 (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.