PEUGH DAVID B Form 5 February 14, 2002

U.S. SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM 5

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	n 16(a) of the Securiti Public Utility Holding of the Investment Comp	Company Act of 1935 or	
[_] Check box if no longer may continue. See Instr	_	Form 4 or Form 5 obligat:	ions
[_] Form 3 Holdings Reported	d		
[_] Form 4 Transactions Rep	orted		
1. Name and Address of Rep	orting Person*		
Peugh	David	В.	
(Last)	(First)	(Middle)	
CityPlace One, Suite 300			
	(Street)		
St. Louis	MO	63141	
(City)	(State)	(Zip)	
2. Issuer Name and Ticker	or Trading Symbol		
Arch Coal, Inc. (ACI)			
3. IRS Identification Numb	er of Reporting Person,	if an Entity (Voluntary)	
4. Statement for Month/Yea	r		
December 31, 2001			
5. If Amendment, Date of O	riginal (Month/Year)		

[_] 10% Owner

6. Relationship of Reporting Person to Issuer

(Check all applicable)

[_] Director

[X] Officer (give title below) Vice President - Business Development		Other (speci	fy below)		
7. Individual or Joint/Group Filing (Check applicable line)	l				
<pre>[X] Form filed by one Reporting [_] Form filed by more than one</pre>		rson			
Table I Non-Derivative	Securities Ac	======== quired, Dispos	ed of,		
or Benef					
			4. Securities Acqu Disposed of (D) (Instr. 3, 4 an	d 5)	
1. Title of Security (Instr. 3)				(A) or (D)	Price
Common Stock					
Common Stock	(1)	I	33	А	(1)

(1) Acquired on various dates in 2001 pursuant to Arch Coal Inc.'s 401(k) plan at prices from \$1

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 $4\,\mathrm{(b)}\,\mathrm{(v)}$.

(Print or Type Responses)

(Over)

FORM 5 (continued)

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)	Conversion or Exercise Price of Derivative Security	3. Trans- action Date (Month/	action	or Dis of (D) (Instr 4 and	ative ties red (A) sposed	Expirat: (Month/I		of Unde Securit (Instr.	ies 3 and 4)
Employee Stock Option	\$21.95	2/22/01	А	8,400		(1)	2/22/11	Common Stock	8,400
Employee Stock Option	\$22.90	6/27/01	А	36 , 600		1/1/04	6/30/06	Common Stock	36,600

(1) Vests in three equal annual installments commencing on 2/22/02.

Explanation of Responses:

/s/ Janet L. Horgan February 14, 2002

By: Janet L. Horgan, as Attorney-in-Fact
**Signature of Reporting Person

Date

 $\ensuremath{^{\star\star}}$ 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 provided is insufficient, see Instruction 6 for procedure.

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