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

FORM 5

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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(f) of the Investment Company Act of 1940

[_]	Check box if no longer subject may continue. See Instruction		. Form 4 or Fo	orm 5 obligations					
[_]	Form 3 Holdings Reported								
[_]	Form 4 Transactions Reported								
1.	Name and Address of Reporting	Person*			-				
Jone	28	Robert	G.						
	Last)		 (Midd)	.e)					
City	Place One, Suite 300								
		(Street)							
St.	Louis	МО	631	.41					
(City)	(State)	(Zip))					
2.	Issuer Name and Ticker or Trad	ing Symbol			-				
Arch	Cool Inc. (ACI)								
3.	n Coal, Inc. (ACI) IRS Identification Number of R	Monorting Porcon	if an Entity	(Voluntary)	-				
э.	TKS TUENCETTE CALLON NUMBER OF K	eporting Person,	, II all Ellery	(voluntary)					
4.	Statement for Month/Year				-				
Dece	ember 31, 2001								
5.	If Amendment, Date of Original	(Month/Year)			-				
		(,							
					=				
6.	Relationship of Reporting Pers (Check all applicable)	on to Issuer							
	[_] Director	[_]	10% Owner						
Vice	[_] Director [X] Officer (give title belower President-Law, General Counsel	() $\begin{bmatrix} - \end{bmatrix}$	Other (speci	fy below)					
7.	Individual or Joint/Group Fili (Check applicable line)	ng			-				
	[X] Form filed by one Reporti								
	[_] Form filed by more than o	ne Reporting Pe	rson ——————		-				
	Table I Non-Derivativ		quired, Dispos						
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							5.	6.	
				4. Securities Acqu	ired (A) or	Amount of Securities	Owner- ship	
				Disposed of (D) (Instr. 3, 4 an	•	,	Beneficially Owned at End	Form: Direct	7. Nature of
1.		2. Transaction	3. Transaction				of Issuer's Fiscal Year	(D) or	Indirect Beneficia
Titl	e of Security etr. 3)	Date (mm/dd/yy)	Code	Amount		Price		(I)	Ownership (Instr. 4
Comm	non Stock	(1)	I	77	D	(1)	2,105		By 401k avings Plan

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(1)	Disposed on various dates in 2001 pursuant to Arch Coal Inc.'s 401(k) plan at prices from \$14.40 to \$30.85 per share.							
*	If the form is filed by more than one Reporting Person, see Instruction $4(b)(v)$.							
	Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.							
	(Print or Type Responses) (Over)							

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. Conver- sion or Exer- cise Price of Deriv- ative Secur- ity	3. Trans- action Date (Month/ Day/ Year)	4. Trans- action Code (Instr. 8)	5. Number of Derivative Securities Acquired (A or Disposed of (D) (Instr. 3, 4 and 5) (A) (D)	Expirat (Month) Date - Exer-	sable and tion Date /Day/Year) Expira- tion Date	of Under Securiti (Instr.		(Ínstr.	9. Number of Deriv- ative Secur- ities Bene- ficially Owned at End of Year (Instr. 4)	10. Owner- ship of Deriv- ative Secur- ity: Direct (D) or In- direct (I) (Instr. 4)	11. Nature of In- direct Bene- ficial Owner- ship (Instr. 4)
Employee Stock Option	\$21.95 2/	22/01	A	12,900	(1)	2/22/11	Common Stock	12,900		12,900	D	
Employee Stock Option	\$22.90 6/	27/01	A	30,900	1/1/04	6/30/06	Common Stock	30,900		30,900	D	
				·								

(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

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.