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U.S. SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b) Form 3 Holdings Reported Form 4 Transactions Reported

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

 Name and Address of Reporting 2. Person* 			Issuer Name and Ticker or Trading Symbol Arch Coal, Inc. (ACI)				6.	6. Relationship of Reporting Person to Issuer (Check all applicable)				
O'Connor	Terry											
CityPlace One, Suite 300			IRS Identification 4. Statement for Number of Reporting Month/Year Person if an Entity (Voluntary) Statement for Month/Year December 31, 2000				00	Director 10% Owner X Officer (give title Other (specify below) below) Vice President-External Affairs				
(Street)				 If Amendment, Date of Original (Month/Year) 				 Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person Form filed by More than One 				
St. Louis	, Missouri 63	141							Reporting P	Person		
(City)	(State)	(Zip)										
									neficially Owned			
1.Title o	f Security	ecurity 2.Transact		3.Trans- action Code		rities Acquired 5. or Disposed of (A) or Price (D)		Benefic At the Fiscal	cially Owned end of Issuer's	6.0wnership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficia Ownership	
Common Sto	ock	(1)		I		Α	(1)	75		I	By 401(k	
directly (Report on a or indirectly rm is filed b	*					-					

1.Title of Derivative Security (Instr. 3)	2. 3. Conver-sTrans- or action ExerciseDate Price of Deriva-t(Month/	Code (Instr. 8)	5. Number of .ODerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4	 Date Exer-cisabl and Expiration Date (Month/ 	7. Title and e Amount of Underlying Securities (Instr. 3 and 4)					of vIndirect Beneficial Owner-ship (Instr.
	SecurityDay/ Year)		and 5)	Day/ Year)					Indirect (I) (Instr. 4)	
								4)		
		Code V	(A) (D)	Date Expira Exer-ciDatee	-tion	Amount or Number	•			
		code v	(A) (D)		11116	Shares				
Explanation of R (1) Acquired on	desponses: various dates in 2 g from \$4.75 to \$1	:000 pursuar								
			* * B	Janet L. Horgan y Janet L. Horga ttorney-in-Fact	n, As		Febru Date	ary 14, 2	2001	

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

FORM 4 (continued)

** 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.

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.