FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

I	OMB APPI	ROVAL
I	OMB Number:	3235-02

287 Estimated average burden hours per response: 0.5

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

					OI	Secuc)II 3U(I	n) or the	invesum	ent C	отпрату Аст	01 1940								
1. Name ar		2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]									all applic Directo	cable) or	10% Owner							
(Last) ONE CIT	ΓΥΡLACE	,	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 02/14/2005									below)		Other (speci below) Strategic Dev.		ресіту	
(Street) ST. LOUIS MO 63141						4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(S	tate)	(Zip)																	
		Tab	le I - N	on-Deri	vative	Sec	curit	ies Ac	quired	l, Di	sposed o	of, or Be	nefic	ially	Owned	ł				
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day						Execution D			3. Transaction Code (Instr. 8)			es Acquired (A) o Of (D) (Instr. 3, 4 a		nd 5)	Securiti Benefici Owned	Amount of ecurities eneficially wned Following		: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) or (D)	Price		Reporte Transac (Instr. 3	tion(s)			Instr. 4)	
Common Stock 02/15/2							005				7,500	A	\$10.	6875		0	D			
Common Stock 02/15/20							005				7,500	D	\$37	7.95		0		D		
Common Stock 02/14/20							005				783	D	\$37	7.99	15			I	By 401(k) olan	
Common	Stock	/2005	005		S		1,500 D		\$37.97		1,	1,717		D						
		7	Γable II								posed of converti				wned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Dee Execution if any (Month/I		4. Transa Code (8)		ion of		6. Date Exerci Expiration Dat (Month/Day/Ye		ite	7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		Di Si (li	Price of erivative ecurity nstr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	e C	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)		Date Exercisa	able	Expiration Date	Title	Amou or Numb of Share	er						
Employee Stock Options	\$37.95	02/15/2005			M			3,082	02/25/2	002	02/25/2009	Common Stock	3,08	\$2 \$	10.6875	4,418		D		
Employee Stock Options	\$37.95	02/15/2005			M			4,418	02/25/2	003	02/25/2009	Common Stock	4,41	.8 \$	10.6875	0		D		

Explanation of Responses:

Remarks:

/s/ Janet L. Horgan, Attorney-

in-Fact ** Signature of Reporting Person

02/16/2005

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 4 (b)(v).

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.

^{**} Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).