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### FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subje	ct 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 or Section 30(h) of the Investment Company Act of 1940

# OMB APPROVAL OMB Number: 3235-0287

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1. Nume and Address of Reporting reison			2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>SMITH A O CORP</u> [ AOS ]		tionship of Reporting Perso all applicable) Director	on(s) to Issuer 10% Owner	
(Last) 3121 MARSH (	(First) GATE DRIVE	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 04/01/2005		Officer (give title below)	Other (specify below)	
(Street) SEABROOK ISLAND			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)         X       Form filed by One Reporting Person         Form filed by More than One Reporting Person			
(City)	(State)	(Zip)					

#### Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transa Code ( 8)					5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(1130.4)
Common Stock	04/01/2005		Α		<b>695</b> <sup>(1)</sup>	Α	\$28.81	5,007	D	

 
 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. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		Transaction Code (Instr.		Transaction Code (Instr.		Transaction of Code (Instr. Derivative		of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4		Transaction Code (Instr. 8) (A) or Dispo of (D) (Instr.		f Expiration Date (Month/Day/Year) cquired A) or isposed f (D) nstr. 3, 4		Expiration Date		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares													

Explanation of Responses:

1. Payment of portion of retainer in stock under the A. O. Smith Corporation Directors' Compensation Plan based on the market price of the Common Stock on April 1, 2005.

<u>W. David Romoser, Attorney-</u> in-Fact for William F. Buehler

04/05/2005

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

 $\ast$  If the form is filed by more than one reporting person, see Instruction 4 (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.