FORM 4

UNITED STATES 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	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
Instruction 1(b).	Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* BEDNAR RANDALL S					2. Issuer Name and Ticker or Trading Symbol SMITH A O CORP [AOS]										(Cr	eck all appl Direct	ationship of Reporting k all applicable) Director Officer (give title		Person(s) to Issuer 10% Owner Other (specify	
	`	PORATION	PRATION					est Tran	ısacti	ion (Mo	onth/[Day/Year)		below.	below) Senior Vice President - CIO					
(Street)			53224		4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)										e) <mark>X</mark> Form	Form filed by More than One Reporting			
(City)	(S	tate)	(Zip)													F 6130	11			
		Tab	le I - No	n-Deriv	ative	Sec	curiti	ies Ac	qui	ired, I	Dis	posed o	of, o	r Ben	eficial	ly Owne	d			
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Year)		ar) E	2A. Deemed Execution Date, if any (Month/Day/Year		,]	3. Transaction Code (Instr. 8)						Benefic	es ially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership		
									[Code	v	Amount		(A) or (D)	Price	Transac (Instr. 3	tion(s)			(Instr. 4)
Common	Stock			02/09)/2010)				M		1,800	0	A	\$42.8	2 8	8,716 D			
Common	Stock			02/09	9/2010)				F		701		D	\$42.8	2 8,015 D			D	
		Т	able II -									osed of onverti				Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Da	Date,	4. Transaction Code (Instr. B)		າ of E		Exp	s. Date Exercisa Expiration Date Month/Day/Year			7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exe	e rcisable		xpiration ate	Title		Amount or Number of Shares					
Phantom Stock	(1)	02/09/2010			M			1,800		(1)		(1)	Com	ımon ock	1,800	\$0	5,700		D	

Explanation of Responses:

1. 1,800 shares of phantom stock were granted on February 9, 2007, under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3. The 1,800 shares of phantom stock vested on February 9, 2010. As a result of vesting, the Company is obligated to deliver 1,800 shares of Common Stock to the reporting Person.

Remarks:

James F. Stern, Attorney-in-Fact for Randall S. Bednar

02/11/2010

** Signature of Reporting Person

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).
- ** 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.