JONES PAUL W Form 4 February 02, 2012

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB Number: 3235-0287

OMB APPROVAL

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Person

Expires: January 31, 2005
Estimated average

0.5

Form 4 or Form 5 obligations may continue. See Instruction

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(h) of the Investment Company Act of 1940

response...

burden hours per

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * JONES PAUL W			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
			SMITH A O CORP [AOS]	(Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction			
			(Month/Day/Year)	X Director 10% Owner		
A. O. SMITH			02/01/2012	_X_ Officer (give title Other (specify		
CORPORATION, 11270 WEST				below) below) Chairman and CEO		
PARK PLAC				Chairman and CEO		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line)		
				X Form filed by One Reporting Person		
MII WALIKEE WI 53224				Form filed by More than One Reporting		

MILWAUKEE, WI 53224

(City)	(State)	(Zıp) Tabl	e I - Non-I	Derivative	Secur	rities Acqu	ired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)				5. Amount of Securities Beneficially Owned Following	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Common Stock	02/01/2012		S	1,200	D	\$ 43.23	247,305	D	
Common Stock	02/01/2012		S	100	D	\$ 43.235	247,205	D	
Common Stock	02/01/2012		S	1,100	D	\$ 43.24	246,105	D	
Common Stock	02/01/2012		S	300	D	\$ 43.26	245,805	D	
Common Stock	02/01/2012		S	200	D	\$ 43.27	245,605	D	

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Common Stock	02/01/2012	S	1,300	D	\$ 43.29 244,3	305	D
Common Stock	02/01/2012	S	400	D	\$ 43.3 243,9	905	D
Common Stock	02/01/2012	S	200	D	\$ 43.31 243,7	705	D
Common Stock	02/01/2012	S	300	D	\$ 43.32 243,4	405	D
Common Stock	02/01/2012	S	800	D	\$ 43.33 242,6	505	D
Common Stock	02/01/2012	S	400	D	\$ 43.35 242,2	205	D
Common Stock	02/01/2012	S	300	D	\$ 43.36 241,9	905	D
Common Stock	02/01/2012	S	200	D	\$ 43.37 241,7	705	D
Common Stock	02/01/2012	S	100	D	\$ 43.38 241,6	505	D
Common Stock	02/01/2012	S	200	D	\$ 43.39 241,4	405	D
Common Stock	02/01/2012	S	1,000	D	\$ 43.4 240,4	405	D
Common Stock	02/01/2012	S	2,400	D	\$ 43.41 238,0	005	D
Common Stock	02/01/2012	S	2,100	D	\$ 43.42 235,9	905	D
Common Stock	02/01/2012	S	600	D	\$ 43.425 235,3	305	D
Common Stock	02/01/2012	S	3,000	D	\$ 43.43 232,3	305	D
Common Stock	02/01/2012	S	200	D	\$ 43.435 232,1	105	D
Common Stock	02/01/2012	S	2,300	D	\$ 43.44 229,8	305	D
Common Stock	02/01/2012	S	3,200	D	\$ 43.45 226,6	505	D
Common Stock	02/01/2012	S	4,500	D	\$ 43.46 222,1	105	D
Common Stock	02/01/2012	S	2,600	D	\$ 43.47 219,5	505	D
	02/01/2012	S	700	D	218,8	305	D

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Common Stock					\$ 43.475	
Common Stock	02/01/2012	S	2,900	D	\$ 43.48 215,905	D
Common Stock	02/01/2012	S	1,448	D	\$ 43.49 214,457	D
Common Stock	02/01/2012	S	800	D	\$ 43.5 213,657	D
Common Stock	02/01/2012	S	2,000	D	\$ 43.51 211,657	D

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

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SEC 1474

(9-02)

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Title an	d 8.	Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration D	ate	Amount of	f De	rivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day	/Year)	Underlyin	g Se	curity	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e`		Securities	(In	str. 5)	Bene
	Derivative			,	Securities	•		(Instr. 3 ar	nd 4)		Owne
	Security				Acquired				,		Follo
	2000				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						(IIIStI
					4, and 5)						
					4, and 3)						
								Am	ount		
						D.	Б	or			
						Date	Expiration	Title Nur	mber		
						Exercisable	Date	of			
				Code V	(A) (D)			Sha	ires		

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
JONES PAUL W A. O. SMITH CORPORATION 11270 WEST PARK PLACE MILWAUKEE, WI 53224	X		Chairman and CEO				

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Signatures

James F. Stern, Attorney-in-Fact for Paul W. Jones 02/02/2012

**Signature of Reporting Person

Date

Explanation of Responses:

- * 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. 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.

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