JONES PAUL W Form 4 February 14, 2011

FORM 4

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

OMB Number: 3235-0287

Estimated average

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005

OMB APPROVAL

Section 16.
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

burden hours per response... 0.5

1(b).

(Print or Type Responses)

1. Name and Address of Reporting JONES PAUL W	g Person *	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
(Last) (First)	(Middle)	SMITH A O CORP [AOS] 3. Date of Earliest Transaction	(Check all applicable)		
A. O. SMITH CORPORATION, 11270 WEST PARK PLACE		(Month/Day/Year) 02/11/2011	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) Chair, Pres. and CEO		
(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
MII WALIKEE WI 53224		Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting		

Person

MILWAUKEE, WI 53224

(City)	(State)	(Zip) Tab	ole I - Non-	Derivative	Secui	rities Acquir	ed, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 8)	3. 4. Securities Acquired (A) Transactior Disposed of (D) Code (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	rities Ownership efficially Form: ed Direct (D) owing or Indirect orted (I) saction(s) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	02/11/2011		Code V S	Amount 700	(D)	Price \$ 42.29	127,096	D	
Common Stock	02/11/2011		S	194	D	\$ 42.295	126,902	D	
Common Stock	02/11/2011		S	1,906	D	\$ 42.3	124,996	D	
Common Stock	02/11/2011		S	100	D	\$ 42.305	124,896	D	
Common Stock	02/11/2011		S	5,094	D	\$ 42.31	119,802	D	

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Common Stock	02/11/2011	S	118	D	\$ 42.31	119,684	D
Common Stock	02/11/2011	S	9	D	\$ 42.315	119,675	D
Common Stock	02/11/2011	S	3,000	D	\$ 42.32	116,675	D
Common Stock	02/11/2011	S	600	D	\$ 42.33	116,075	D
Common Stock	02/11/2011	S	1,200	D	\$ 42.34	114,875	D
Common Stock	02/11/2011	S	100	D	\$ 42.345	114,775	D
Common Stock	02/11/2011	S	300	D	\$ 42.35	114,475	D
Common Stock	02/11/2011	S	200	D	\$ 42.36	114,275	D
Common Stock	02/11/2011	S	100	D	\$ 42.365	114,175	D
Common Stock	02/11/2011	S	300	D	\$ 42.37	113,875	D
Common Stock	02/11/2011	S	1,100	D	\$ 42.38	112,775	D
Common Stock	02/11/2011	S	700	D	\$ 42.4	112,075	D
Common Stock	02/11/2011	S	599	D	\$ 42.42	111,476	D
Common Stock	02/11/2011	S	1	D	\$ 42.425	111,475	D
Common Stock	02/11/2011	M	31,800 (1)	A	\$ 42.2197	143,275	D
Common Stock	02/11/2011	S	14,000 (2)	D	\$ 42.2197	129,275	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)

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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. Transacti Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8 I S (
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	\$ 23.76	02/11/2011		M	31,800	<u>(1)</u>	(1)	Common Stock	31,800	

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Reporting Owners

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

Signatures

James F. Stern, Attorney-in-Fact for Paul W. 02/15/2011

**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).
- 31,800 Restricted Stock Units were granted on 02/11/2008, under the A. O. Smith Combined Incentive Compensation Plan, a transaction (1) excempt under Rule 16b-3. 31,800 Restricted Stock Units vested on 02/11/2011. As of result of vesting, the Company is obligated to deliver 31,800 shares of Common Stock to the reporting person.
- (2) The reporting person sold these shares to obtain funds to pay the withholding taxes due as a result of the vesting of the restricted stock units described in footnote (1).

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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