

OMB APPROVAL	
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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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* <u>Ackerman Patricia K</u> (Last) (First) (Middle) A. O. SMITH CORPORATION 11270 WEST PARK PLACE (Street) MILWAUKEE WI 53224 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 10/10/2011	3. Issuer Name and Ticker or Trading Symbol <u>SMITH A O CORP [AOS]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) Vice President and Treasurer	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	424	D	
Common Stock	1,098,778 ⁽¹⁾	I	By 401 (k) Plan Trust

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Employee Stock Options (Right to Buy)	(2)	(2)	Common Stock 7,550	0	D	
Restricted Stock Units	(3)	(3)	Comm Stock 2,000	0	D	

Explanation of Responses:

- The number of underlying securities is based on the stock fund balance of October 10, 2011. The actual number of shares issuable upon the distribution date is not determinable since the stock fund is a unitized account consisting of 97.82% company stock and 2.18% money market fund. The stock account balance reflected in this report is based on an October 10, 2011, stock fund price of \$32.770 per share.
- Employee stock options were granted under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3: 1,200 employee stock options were granted on 02/11/2008 and became exercisable in three annual installments of 1/3 of the award starting on 02/11/2009; 3,300 employee stock options were granted on 02/09/2009 and became exercisable in three annual installments of 1/3 of the award starting on 02/09/2010; 1,650 employee stock options were granted on 02/08/2010 and became exercisable in three annual installments of 1/3 of the award starting on 02/08/2011; 1,400 employee stock options were granted on 02/07/2011 and become exercisable in three annual installments of 1/3 of the award starting on 02/07/2012. All employee stock options expire ten years after the date of the award.
- Restricted stock units were granted under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3: 900 restricted stock units were granted on 02/09/2009; 600 restricted stock units were granted on 02/08/2010; and 500 restricted stock units were granted on 02/07/2011. The restricted stock units become payable in Common Stock on the vesting date, which is three years after the grant date. The Plan permits the participant to defer receipt of the awards, and Patricia Ackerman has made a deferral.

Remarks:

James F. Stern, Attorney-in-Fact for Patricia K. Ackerman 10/14/2011

** 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 5 (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.

POWER OF ATTORNEY

Know all by these presents, that, for good and valuable consideration, the sufficiency and receipt of which are hereby acknowledged, the undersigned hereby constitute and authorize the undersigned (1) execute for and on behalf of the undersigned (in accordance with Section 16(a) of the Securities Exchange Act of 1934, as amended, and the rules thereunder (the (2) do and perform any and all acts for and on behalf of the undersigned that may be necessary or desirable to complete and execute any such Documents and timely file (3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of the undersigned. The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary or proper to carry out the foregoing, and This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Documents with respect to the undersigned's holdings. IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 10th day of October, 2011.

/s/Patricia K. Ackerman