

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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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* <u>Warren David R</u> (Last) (First) (Middle) <u>A. O. SMITH CORPORATION</u> <u>500 TENNESSEE WALTZ PARKWAY</u> (Street) <u>ASHLAND TN 37015</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>07/16/2017</u>	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) <u>Senior VP & President and GM</u>	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 Form filed by More than One Reporting Person
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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)
<u>Common Stock</u>	<u>1,235</u>	<u>D</u>	

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	Title	Amount or Number of Shares			
<u>Restricted Stock Units</u>	<u>(1)</u>	<u>(1)</u>	<u>Common Stock</u>	<u>3,855</u>	<u>0</u>	<u>D</u>	
<u>Employee Stock Options (Right to Buy)</u>	<u>(2)</u>	<u>(2)</u>	<u>Common Stock</u>	<u>14,671</u>	<u>0</u>	<u>D</u>	

Explanation of Responses:

1. Restricted Stock Units were granted under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3: 1,460 restricted stock units were granted on 02/09/2015; 1,420 restricted stock units were granted on 02/08/2016 and 975 restricted stock units were granted on 02/13/2017. The restricted stock units become payable in Common Stock on the vesting date, which is three years after the grant date.

2. Employee Stock Options were granted under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3: 1,714 employee stock options were granted on 02/10/2014; 3,492 employee stock options were granted on 02/09/2015; 5,710 employee stock options were granted on 02/08/2016 and 3,755 employee stock options were granted on 02/13/2017. Employee Stock Options become exercisable in three annual installments of 1/3 of the award starting one year after the grant date.

Remarks:

James F. Stern, Attorney-in-Fact for David R. Warren

07/17/2017

** 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.