

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person * <u>Rajendra Ajita G</u> (Last) (First) (Middle) A. O. SMITH CORPORATION 500 TENNESSEE WALTZ PARKWAY (Street) ASHLAND TN 37015 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>SMITH A O CORP [AOS]</u>	5. 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>President & COO</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>11/09/2012</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	11/09/2012		M		40,350	A	\$18.387	86,514	D	
Common Stock	11/09/2012		F		22,677	D	\$18.387	63,837	D	
Common Stock	11/09/2012		M		15,000	D	\$19.467	78,837	D	
Common Stock	11/09/2012		F		8,604	D	\$19.467	70,233	D	
Common Stock	11/09/2012		M		16,800	D	\$25.837	87,033	D	
Common Stock	11/09/2012		F		10,787	D	\$25.837	76,246	D	

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

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. Transaction Code (Instr. 8)		5. Number of Derivative 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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Employee Stock Options (Right to Buy) ⁽¹⁾	\$18.387	11/09/2012		M			40,350	01/31/2006	02/01/2015	Common Stock	40,350	\$0	133,550	D	
Employee Stock Options (Right to Buy)	\$19.467	11/09/2012		M			15,000	(2)	10/11/2015	Common Stock	15,000	\$0	118,550	D	
Employee Stock Options (Right to Buy)	\$25.837	11/09/2012		M			16,800	(3)	02/09/2017	Common Stock	16,800	\$0	101,750	D	

Explanation of Responses:

- The employee stock options were granted on 02/01/2005 under the A. O. Smith Combined Executive Incentive Compensation Plan, a transaction exempt under Rule 16b-3.
- The employee stock options were granted on 10/11/2005 under the A. O. Smith Combined Executive Incentive Compensation Plan, a transaction exempt under Rule 16b-3. The options became exercisable in three annual installments of 1/3 of the award starting on 10/10/2006.
- The employee stock options were granted on 02/09/2007 under the A. O. Smith Combined Incentive Compensation Plan, a transaction exempt under Rule 16b-3. The options became exercisable in three annual installments of 1/3 of the award starting on 02/08/2008.

Remarks:

James F. Stern, Attorney-in-Fact for Ajita G. Rajendra 11/13/2012
 ** 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.