

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>ROMOSER W DAVID</u> (Last) (First) (Middle) <u>A. O. SMITH CORPORATION</u> <u>11270 WEST PARK PLACE</u> (Street) <u>MILWAUKEE WI 53224</u> (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 Officer (give title below) Other (specify below) <u>Senior VP, Gen. Counsel & Sec</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>11/15/2006</u>	
		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 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	11/15/2006		M ⁽¹⁾		2,625	A	\$29.0313	67,662	D	
Common Stock	11/15/2006		M ⁽¹⁾		8,725	A	\$13.563	76,387	D	
Common Stock	11/15/2006		M ⁽¹⁾		8,050	A	\$15.135	84,437	D	
Common Stock	11/15/2006		M ⁽¹⁾		4,675	A	\$26.88	89,112	D	
Common Stock	11/15/2006		M ⁽¹⁾		4,475	A	\$28.7	93,587	D	
Common Stock	11/15/2006		S ⁽²⁾		37,050	D	\$38	56,537	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) ⁽³⁾	\$29.0313	11/15/2006		M ⁽¹⁾			2,625	10/12/2000	10/13/2009	Common Stock	2,625	\$0	119,508	D	
Employee Stock Options (Right to Buy) ⁽⁴⁾	\$13.563	11/15/2006		M ⁽¹⁾			8,725	10/09/2001	10/10/2010	Common Stock	8,725	\$0	110,783	D	
Employee Stock Options (Right to Buy) ⁽⁵⁾	\$15.135	11/15/2006		M ⁽¹⁾			8,050	10/08/2002	10/09/2011	Common Stock	8,050	\$0	102,733	D	
Employee Stock Options (Right to Buy) ⁽⁶⁾	\$26.88	11/15/2006		M ⁽¹⁾			4,675	10/10/2003	10/11/2012	Common Stock	4,675	\$0	98,058	D	
Employee Stock Options (Right to Buy) ⁽⁷⁾	\$28.7	11/15/2006		M ⁽¹⁾			4,475	10/06/2004	10/07/2013	Common Stock	4,475	\$0	93,583	D	

Explanation of Responses:

- The exercises reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on October 10, 2006.
- The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on October 10, 2006.
- Granted on October 13, 1999, under the A. O. Smith Corporation Long-Term Executive Incentive Compensation Plan, a Rule 16b-3 Plan.

4. Granted on October 10, 2000, under the A. O. Smith Corporation Long-Term Executive Incentive Compensation Plan, a Rule 16b-3 Plan.
5. Granted on October 9, 2001, under the A. O. Smith Corporation Long-Term Executive Incentive Compensation Plan, a Rule 16b-3 Plan.
6. Granted on October 11, 2002, under the A. O. Smith Combined Executive Incentive Compensation Plan, a Rule 16b-3 Plan.
7. Granted on October 7, 2003, under the A. O. Smith Combined Executive Incentive Compensation Plan, a Rule 16b-3 Plan.

Remarks:

Kenneth J. Maciolek, Attorney-
in-Fact for W. David Romoser 11/16/2006

** 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.