FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPRO	OVAL							
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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

1. Name and Address of Reporting Person* RETTLER STEVE W						2. Issuer Name and Ticker or Trading Symbol SMITH A O CORP [AOS]									ck all app Direc	olicable)	Person(s) to Issuer 10% Owner Other (specify		
	ИТН СО	First) RPORATION LK PLACE		3. Date of Earliest Transaction (Month/Day/Year) 02/07/2011								, y	belov	w) ``	below) President - CD				
(Street) MILWAUKEE WI 53224 (City) (State) (Zip)					_ 4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
		Tab	le I - N	on-Deriv	/ative	Sec	uritie	s Ac	quire	d, Di	sposed o	f, or E	Benef	ficiall	y Owne	ed			
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day)						Execution Date,		Date,	3. Transaction Code (Instr. 8)		s Acquii Of (D) (In:	red (A) str. 3, 4	or and 5)	Secur Benef	icially d Following	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		се	Transaction(s) (Instr. 3 and 4)			(111311. 4)				
Common	Stock	2011	011			Α		5,022(1)	A \$43		43.115	5 18,321		D					
Common Stock 02/09/20						011		S		1,985(2)	D	D \$41.743		35 16,336		D			
		Ta	able II								osed of, convertib				Owned		,		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	e (Month/Day/Year)	if any	emed ion Date, /Day/Year)		Transaction Code (Instr.		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		e Exerc tion Da h/Day/\		7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		De Se (Ir	Price of erivative ecurity estr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercis	sable	Expiration Date	Title	Amou or Numb of Share	per					

Explanation of Responses:

- 1. Vesting to reporting person of restricted stock units settled in shares of common stock under the A. O. Smith Combined Incentive Compensation Plan upon attainment of performance criteria.
- 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).

Remarks:

James F. Stern, Attorney-in-Fact for Steve W. Rettler 02/09/2011

** 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 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.