

SMITH A O CORP
Form 4
October 21, 2009

FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
RETTLER STEVE W

(Last) (First) (Middle)

A. O. SMITH CORPORATION, 11270 WEST PARK PLACE

(Street)

MILWAUKEE, WI 53224

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
SMITH A O CORP [AOS]

3. Date of Earliest Transaction (Month/Day/Year)
10/20/2009

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)
Senior Vice President - CD

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 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 Ownership (Instr. 4)
				(A) or (D)	Price		
			Code	V	Amount		
Common Stock	10/20/2009		S		\$ 43.83	D	
Common Stock	10/20/2009		S		\$ 43.84	D	
Common Stock	10/20/2009		S		\$ 43.85	D	
Common Stock	10/20/2009		S		\$ 43.89	D	
Common Stock	10/20/2009		S		\$ 43.9	D	

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Common Stock	10/20/2009	S	360	D	\$ 43.92	10,695	D
Common Stock	10/20/2009	S	300	D	\$ 43.93	10,395	D
Common Stock	10/20/2009	S	200	D	\$ 43.94	10,195	D
Common Stock	10/20/2009	S	200	D	\$ 43.95	9,995	D
Common Stock	10/20/2009	S	100	D	\$ 43.96	9,895	D
Common Stock	10/20/2009	S	100	D	\$ 44	9,795	D
Common Stock	10/20/2009	S	100	D	\$ 44.11	9,695	D
Common Stock	10/20/2009	S	200	D	\$ 44.12	9,495	D
Common Stock	10/20/2009	S	400	D	\$ 44.15	9,095	D
Common Stock	10/20/2009	S	100	D	\$ 44.19	8,995	D
Common Stock	10/20/2009	S	500	D	\$ 44.21	8,495	D
Common Stock	10/20/2009	S	200	D	\$ 44.3	8,295	D
Common Stock	10/20/2009	S	300	D	\$ 44.31	7,995	D
Common Stock	10/20/2009	S	200	D	\$ 44.34	7,795	D
Common Stock	10/20/2009	S	100	D	\$ 44.38	7,695	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

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	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned
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Derivative Security	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		(Instr. 3 and 4)		Code	V	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
	(A)	(D)								

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
RETTLER STEVE W A. O. SMITH CORPORATION 11270 WEST PARK PLACE MILWAUKEE, WI 53224			Senior Vice President - CD	

Signatures

James F. Stern, Attorney-in-Fact for Steve W. Rettler	10/21/2009
<u> </u> Signature of Reporting Person	Date

Explanation of Responses:

* 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.

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