RETTLER STEVE W

Form 4

February 11, 2011

FORM 4

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

OMB 3235-0287 Number:

Estimated average

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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

burden hours per response...

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** RETTLER STEVE W			2. Issuer Name and Ticker or Trading Symbol SMITH A O CORP [AOS]	5. Relationship of Reporting Person(s) to Issuer				
(Last) A. O. SMITH CORPORATION	D. SMITH RPORATION, 11270 WEST	, ,	3. Date of Earliest Transaction (Month/Day/Year) 02/10/2011	(Check all applicable) Director 10% OwnerX_ Officer (give title Other (specify below) Senior Vice President - CD				
MII WAIIKFI	(Street)	1	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting				

MILWAUKEE, WI 53224

Person

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative	Secui	ities Acqu	ired, Disposed of	, or Beneficiall	y 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)	(Instr. 3,	(A) or	d of (D) 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)
Common Stock	02/10/2011		Code V S	Amount 1,000	(D)	Price \$ 41.97	30,936	D	
Common Stock	02/10/2011		S	700	D	\$ 41.98	30,236	D	
Common Stock	02/10/2011		S	600	D	\$ 41.99	29,636	D	
Common Stock	02/10/2011		S	300	D	\$ 42	29,336	D	
Common Stock	02/10/2011		S	2,692	D	\$ 42.01	26,644	D	

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Common Stock	02/10/2011	S	500	D	\$ 42.02 26,144	D
Common Stock	02/10/2011	S	1,350	D	\$ 42.03 24,794	D
Common Stock	02/10/2011	S	1,150	D	\$ 42.04 23,644	D
Common Stock	02/10/2011	S	1,360	D	\$ 42.05 22,284	D
Common Stock	02/10/2011	S	200	D	\$ 42.055 22,084	D
Common Stock	02/10/2011	S	1,600	D	\$ 42.06 20,484	D
Common Stock	02/10/2011	S	600	D	\$ 42.07 19,884	D
Common Stock	02/10/2011	S	600	D	\$ 42.08 19,284	D
Common Stock	02/10/2011	S	500	D	\$ 42.09 18,784	D
Common Stock	02/10/2011	S	300	D	\$ 42.1 18,484	D
Common Stock	02/10/2011	S	1,100	D	\$ 42.11 17,384	D
Common Stock	02/10/2011	S	204	D	\$ 42.12 17,180	D
Common Stock	02/10/2011	S	700	D	\$ 42.13 16,480	D
Common Stock	02/10/2011	S	800	D	\$ 42.14 15,680	D
Common Stock	02/10/2011	S	200	D	\$ 42.16 15,480	D
Common Stock	02/10/2011	S	100	D	\$ 42.17 15,380	D
Common Stock	02/10/2011	S	200	D	\$ 42.18 15,180	D
Common Stock	02/10/2011	S	100	D	\$ 42.19 15,080	D
Common Stock	02/10/2011	S	100	D	\$ 42.2 14,980	D
Common Stock	02/10/2011	S	200	D	\$ 42.21 14,780	D
	02/10/2011	S	200	D	\$ 42.22 14,580	D

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Common Stock

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

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SEC 1474

(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 Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactio Code (Instr. 8)	of			7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

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

02/11/2011

**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. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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