KITA JOHN J Form 4 February 11, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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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

See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading KITA JOHN J Issuer Symbol SMITH A O CORP [AOS] (Check all applicable) (Middle) (Last) (First) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner _X__ Officer (give title _ Other (specify A. O. SMITH 02/10/2011 below) CORPORATION, 11270 WEST Senior V.P., Corp. Fin. & Cont PARK PLACE (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting MILWAUKEE, WI 53224

(City)	(State)	(Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly 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)				5. Amount of Securities Beneficially Owned Following Reported	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	Transaction(s) (Instr. 3 and 4)		
Common Stock	02/10/2011		S	400	D	\$ 41.87	22,550	D	
Common Stock	02/10/2011		S	400	D	\$ 41.88	22,150	D	
Common Stock	02/10/2011		S	700	D	\$ 41.89	21,450	D	
Common Stock	02/10/2011		S	200	D	\$ 41.9	21,250	D	
Common Stock	02/10/2011		S	800	D	\$ 41.91	20,450	D	

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Common Stock	02/10/2011	S	600	D	\$ 41.92	19,850	D
Common Stock	02/10/2011	S	100	D	\$ 41.93	19,750	D
Common Stock	02/10/2011	S	900	D	\$ 41.94	18,850	D
Common Stock	02/10/2011	S	400	D	\$ 41.96	18,450	D
Common Stock	02/10/2011	S	300	D	\$ 41.97	18,150	D
Common Stock	02/10/2011	S	100	D	\$ 41.98	18,050	D
Common Stock	02/10/2011	S	200	D	\$ 41.99	17,850	D
Common Stock	02/10/2011	S	100	D	\$ 42	17,750	D
Common Stock	02/10/2011	S	100	D	\$ 42.02	17,650	D
Common Stock	02/10/2011	S	200	D	\$ 42.04	17,450	D
Common Stock	02/10/2011	S	100	D	\$ 42.06	17,350	D
Common Stock	02/10/2011	S	100	D	\$ 42.07	17,250	D
Common Stock	02/10/2011	S	200	D	\$ 42.09	17,050	D
Common Stock	02/10/2011	S	200	D	\$ 42.11	16,850	D
Common Stock	02/10/2011	S	300	D	\$ 42.13	16,550	D

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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exercisable and	7. Title and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	orNumber	Expiration Date	Amount of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/Year)	Underlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativo	2	Securities	(Instr. 5)	Bene
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Derivative Securities (Instr. 3 and 4)

Security

Acquired
(A) or
Disposed
of (D)
(Instr. 3,

4, and 5)

Code V (A) (D) Date Expiration Title Amount

Date

Exercisable

or Number of Shares

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

KITA JOHN J A. O. SMITH CORPORATION 11270 WEST PARK PLACE MILWAUKEE, WI 53224

Senior V.P., Corp. Fin. & Cont

Signatures

James F. Stern, Attorney-in-Fact for John
J. Kita

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.

Reporting Owners 3

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