KITA JOHN J Form 4 February 11, 2011

FORM 4

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16. Form 4 or

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

January 31, Expires: 2005 Estimated average

OMB APPROVAL

Form 5 obligations may continue. See Instruction

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... 0.5

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * KITA JOHN J			2. Issuer Name and Ticker or Trading Symbol SMITH A O CORP [AOS]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check an applicable)
			(Month/Day/Year)	Director 10% Owner
A. O. SMITH CORPORAT PARK PLAC	TON, 1127	0 WEST	02/10/2011	_X_ Officer (give title Other (specify below) Below) Senior V.P., Corp. Fin. & Cont
	(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

MILWAUKEE, WI 53224

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Table I - Non-Derivative Securities Acc	nuired, Disposed of, or Beneficially Owned

Form filed by More than One Reporting

(City)	(State)	(Zip) Tab	le I - Non-l	Derivative	Secur	ities Acqui	red, Disposed of,	or Beneficial	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securit DIOTO Dispos (Instr. 3,	(A) or		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		M	16,050	A	\$ 19.133	32,600	D	
Common Stock	02/10/2011		M	6,750	A	\$ 16.427	39,350	D	
Common Stock	02/10/2011		S	400	D	\$ 41.5	38,950	D	
Common Stock	02/10/2011		S	100	D	\$ 41.51	38,850	D	
Common Stock	02/10/2011		S	1,100	D	\$ 41.54	37,750	D	

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Common Stock	02/10/2011	S	300	D	\$ 41.58 37,450	D
Common Stock	02/10/2011	S	300	D	\$ 41.59 37,150	D
Common Stock	02/10/2011	S	100	D	\$ 41.61 37,050	D
Common Stock	02/10/2011	S	100	D	\$ 41.63 36,950	D
Common Stock	02/10/2011	S	1,000	D	\$ 41.65 35,950	D
Common Stock	02/10/2011	S	400	D	\$ 41.66 35,550	D
Common Stock	02/10/2011	S	400	D	\$ 41.67 35,150	D
Common Stock	02/10/2011	S	1,300	D	\$ 41.68 33,850	D
Common Stock	02/10/2011	S	800	D	\$ 41.69 33,050	D
Common Stock	02/10/2011	S	2,000	D	\$ 41.7 31,050	D
Common Stock	02/10/2011	S	1,100	D	\$ 41.71 29,950	D
Common Stock	02/10/2011	S	400	D	\$ 41.72 29,550	D
Common Stock	02/10/2011	S	500	D	\$ 41.74 29,050	D
Common Stock	02/10/2011	S	500	D	\$ 41.75 28,550	D
Common Stock	02/10/2011	S	700	D	\$ 41.76 27,850	D
Common Stock	02/10/2011	S	600	D	\$ 41.77 27,250	D
Common Stock	02/10/2011	S	800	D	\$ 41.78 26,450	D
Common Stock	02/10/2011	S	100	D	\$ 41.79 26,350	D
Common Stock	02/10/2011	S	600	D	\$ 41.8 25,750	D
Common Stock	02/10/2011	S	300	D	\$ 41.81 25,450	D
	02/10/2011	S	900	D	\$ 41.82 24,550	D

Common Stock						
Common Stock	02/10/2011	S	300	D	\$ 41.83 24,250	D
Common Stock	02/10/2011	S	200	D	\$ 41.84 24,050	D
Common Stock	02/10/2011	S	600	D	\$ 41.85 23,450	D
Common Stock	02/10/2011	S	500	D	\$ 41.86 22,950	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 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. Transactic Code (Instr. 8)	Secu Acqu or D: (D)	rities nired (A) isposed of r. 3, 4,	6. Date Exercise Expiration Date (Month/Day/Y	te	7. Title and A Underlying S (Instr. 3 and	Securities
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Options (Right to Buy)	\$ 19.133	02/10/2011		M		16,050 (1)	10/06/2004	10/07/2013	Common Stock	16,050
Employee Stock Options (Right to Buy)	\$ 16.427	02/10/2011		M		6,750 (2)	10/11/2005	10/12/2014	Common Stock	6,750

Reporting Owners

Reporting Owner Name / Address	Relationships				
	Director	10% Owner	Officer	Other	

Reporting Owners 3

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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).
- (1) The employee stock options were granted on 10/07/2003, under the A. O. Smith Combined Executive Incentive Compensation Plan, a transaction exempt under rule 16b-3.
- (2) The employee stock options were granted on 10/12/2004, under the A. O. Smith Combined Executive Incentive Compensation Plan, a transaction exempt under rule 16b-3.

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.

Signatures 4