Rajendra Ajita G Form 4 November 07, 2012

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB 3235-0287 Number: January 31,

2005 Estimated average

Expires:

burden hours per response... 0.5

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

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

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * Rajendra Ajita G

2. Issuer Name and Ticker or Trading Symbol

Issuer

(Last)

(City)

(First)

(Middle)

(Zip)

3. Date of Earliest Transaction

SMITH A O CORP [AOS]

(Month/Day/Year)

11/05/2012

5. Relationship of Reporting Person(s) to

Director 10% Owner

Other (specify

(Check all applicable)

A. O. SMITH CORPORATION, 500 TENNESSEE WALTZ PARKWAY

(Street)

(State)

4. If Amendment, Date Original

Filed(Month/Day/Year)

President & COO 6. Individual or Joint/Group Filing(Check

Applicable Line)

X_ Officer (give title

X Form filed by One Reporting Person Form filed by More than One Reporting

D

Person

below)

ASHLAND CITY, TN 37015

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

3. 4. Securities Acquired 5. Amount of Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)

Securities Beneficially Owned Following Reported Transaction(s)

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

(A) or Code V Amount (D)

(Instr. 3 and 4) Price

Common Stock

11/05/2012

S 2,000 D

46,164

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

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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. Transaction Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D)		ate	7. Title a Amount of Underlying Securities (Instr. 3 a	of ng s	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	or Title Nu of	umber		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Rajendra Ajita G A. O. SMITH CORPORATION 500 TENNESSEE WALTZ PARKWAY ASHLAND CITY, TN 37015

President & COO

Signatures

James F. Stern, Attorney-in-Fact for Ajita G. Rajendra

11/07/2012

**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 2