STERN JAMES F Form 4 April 26, 2012

FORM 4

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,

Expires: 2005 Estimated average

0.5

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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 See Instruction

1(b).

(Print or Type Responses)

| 1. Name and Ad STERN JAM | | ting Person * | 2. Issuer Name and Ticker or Trading Symbol | 5. Relationship of Reporting Person(s) to Issuer | | | |
|--|----------|---------------|--|--|--|--|--|
| (T.) (F. 1) | | (Middle) | SMITH A O CORP [AOS] | (Check all applicable) | | | |
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction | D' 100/ O | | | |
| A O CMITTI | r | | (Month/Day/Year) | Director 10% Owner X Officer (give title Other (specify | | | |
| A. O. SMITH CORPORATION, 11270 WEST PARK PLACE | | | 04/25/2012 | below) below) Exec VP, General Counsel & Sec | | | |
| | (Street) | | 4. If Amendment, Date Original Filed(Month/Day/Year) | 6. Individual or Joint/Group Filing(Check Applicable Line) | | | |

MILWAUKEE, WI 53224

Applicable Line)

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

| (City) | (State) | (Zip) Tab | ole I - Non- | -Derivative | Secu | rities Acquir | red, 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. Transactic Code (Instr. 8) | omr Dispos (Instr. 3, | sed of | | 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 | 04/25/2012 | | M | 12,000 | A | \$ 19.003 | 31,637 | D | |
| Common Stock | 04/25/2012 | | S | 100 | D | \$ 47.52 | 31,537 | D | |
| Common Stock | 04/25/2012 | | S | 1,000 | D | \$ 47.49 | 30,537 | D | |
| Common Stock | 04/25/2012 | | S | 1,200 | D | \$ 47.5 | 29,337 | D | |
| Common Stock | 04/25/2012 | | S | 3,500 | D | \$ 47.51 | 25,837 | D | |

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| Common Stock | 04/25/2012 | S | 400 | D | \$ 47.52 | 25,437 | D |
|-----------------|------------|---|-------|---|---------------|--------|---|
| Common Stock | 04/25/2012 | S | 500 | D | \$ 47.5201 | 24,937 | D |
| Common Stock | 04/25/2012 | S | 4,200 | D | \$ 47.53 | 20,737 | D |
| Common Stock | 04/25/2012 | S | 100 | D | \$ 47.5325 | 20,637 | D |
| Common Stock | 04/25/2012 | S | 200 | D | \$ 47.5 | 20,437 | D |
| Common Stock | 04/25/2012 | S | 200 | D | \$ 47.525 | 20,237 | D |
| Common Stock | 04/25/2012 | S | 300 | D | \$ 47.51 | 19,937 | D |
| Common Stock | 04/25/2012 | S | 300 | D | \$ 47.52 | 19,637 | 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) | orDerivative | | Derivative Expiration Date Gecurities (Month/Day/Year) Acquired (A) or Disposed of D) Instr. 3, 4, | | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | |
|---|---|--------------------------------------|---|--|--------------|---------------|--|--------------------|---|-------------------------------------|
| Employee | | | | Code V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Employee Stock Options (Pight to | \$ 19.003 | 04/25/2012 | | M | | 12,000 (1) | 02/09/2010 | 02/09/2019 | Common Stock | 12,000 |

Reporting Owners

(Right to Buy)

Reporting Owner Name / Address

Relationships

Reporting Owners 2

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Director 10% Owner Officer Other

STERN JAMES F A. O. SMITH CORPORATION 11270 WEST PARK PLACE MILWAUKEE, WI 53224

Exec VP, General Counsel & Sec

Signatures

Wendy L. Grant, Attorney-in-Fact for James F. Stern

04/26/2012

**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).
- (1) The employee stock options were granted on 02/09/2009 under the A. O. Smith Combined 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.

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