O TOOLE ROBERT J

Form 4

September 13, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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OMB APPROVAL

if no longer subject to Section 16. Form 4 or Form 5

Check this box

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

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * O TOOLE ROBERT J

(First)

(Street)

09/10/2010

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Middle)

SMITH A O CORP [AOS]

(Check all applicable)

3. Date of Earliest Transaction

(Month/Day/Year)

_X__ Director Officer (give title 10% Owner

09/10/2010

below)

Other (specify

6. Individual or Joint/Group Filing(Check

Applicable Line)

D

205,987

X Form filed by One Reporting Person

Form filed by More than One Reporting Person

2401 WEST CEDAR LANE

4. If Amendment, Date Original Filed(Month/Day/Year)

RIVER HILLS, WI 53217

| (City) | (State) | (Zip) Tabl | e I - Non-D | Derivative S | Securi | ties Acqu | ired, 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. Transaction Code (Instr. 8) | 4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | Code V | Amount | (D) | Price | (Instr. 3 and 4) | | |
| Common Stock | 09/10/2010 | | S | 29,700 | D | \$ 53.9 | 206,730 | D | |
| Common Stock | 09/10/2010 | | S | 100 | D | \$ 54.02 | 206,630 | D | |
| Common Stock | 09/10/2010 | | S | 143 | D | \$ 54.09 | 206,487 | D | |
| Common Stock | 09/10/2010 | | S | 100 | D | \$ 54.13 | 206,387 | D | |
| Common Stock | 09/13/2010 | | S | 100 | D | \$ 54.22 | 206,287 | D | |

300

D

S

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| Common Stock | | | | | \$ 54.25 | | |
|-----------------|------------|---|-----|---|-------------|---------|---|
| Common Stock | 09/10/2010 | S | 200 | D | \$ 54.26 | 205,787 | D |
| Common Stock | 09/10/2010 | S | 200 | D | \$ 54.27 | 205,587 | D |
| Common Stock | 09/10/2010 | S | 400 | D | \$ 54.3 | 205,187 | D |
| Common Stock | 09/10/2010 | S | 100 | D | \$ 54.35 | 205,087 | D |
| Common Stock | 09/10/2010 | S | 71 | D | \$ 54.36 | 205,016 | D |
| Common Stock | 09/10/2010 | S | 300 | D | \$ 54.37 | 204,716 | D |
| Common Stock | 09/10/2010 | S | 71 | D | \$ 54.38 | 204,645 | D |
| Common Stock | 09/10/2010 | S | 73 | D | \$ 54.41 | 204,572 | D |

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

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

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 | 2. Conversion | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if | 4. | 5. orNumber | 6. Date Exerc Expiration D | | 7. Title Amou | | 8. Price of Derivative |
|------------------------|------------------------------------|--------------------------------------|-------------------------------|------------|--|--|--------------------|------------------|------------------------------|------------------------|
| Security | or Exercise | (Wionali Day/Tear) | any | Code | of | (Month/Day/ | | Under | | Security |
| (Instr. 3) | Price of Derivative Security | | (Month/Day/Year) | (Instr. 8) | Derivative Securities Acquired (A) or Disposed | rivative Se curities (In quired or posed | | Securi | , , | (Instr. 5) |
| | | | | | of (D) (Instr. 3, 4, and 5) | | | | | |
| | | | | | | Date Exercisable | Expiration Date | Title | Amount or Number of | |
| | | | | Code V | (A) (D) | | | | Shares | |

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

O TOOLE ROBERT J 2401 WEST CEDAR LANE X RIVER HILLS, WI 53217

Signatures

Kenneth J. Maciolek, Attorney-in-Fact for Robert J. O'Toole

09/13/2010

**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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