SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the

Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): August 19, 2011

A. O. Smith Corporation

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction

of incorporation)

1-475 (Commission **39-0619790** (IRS Employer

Identification No.)

File Number) 11270 West Park Place, Milwaukee, Wisconsin 53224-9508

(Address of principal executive offices, including zip code)

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(414) 359-4000

(Registrant s telephone number)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- " Written communication pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 204.14a-12)
- " Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13-e4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.02. Departure of Directors or Principal Officers; Election of Directors; Appointment of Principal Officers.

On August 19, 2011, A. O. Smith Corporation (the Company) announced that Ajita G. Rajendra has been named President and Chief Operating Officer of the Company effective September 1, 2011. Mr. Rajendra joined the Company as president of A. O. Smith Water Products Company in 2005 and was named executive vice president of the Company in 2006. As a result, Paul W. Jones, who had been serving as Chairman, President and Chief Executive Officer of the Company, will continue to serve with the title of Chairman and Chief Executive Officer.

A copy of the Company s press release is attached as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated by reference herein.

Item 9.01. Financial Statements and Exhibits

The following exhibit is being filed herewith:

99.1 A. O. Smith Corporation News Release dated August 19, 2011.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

A. O. SMITH CORPORATION

Date: August 19, 2011

By: /s/ James F. Stern James F. Stern

Executive Vice President, General Counsel and Secretary

A. O. SMITH CORPORATION

Exhibit Index to Current Report on Form 8-K Dated August 19, 2011

Exhibit Number Description

99.1 News Release of A. O. Smith Corporation, dated August 19, 2011.