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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

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**FORM 8-K**

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**CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of the  
Securities Exchange Act of 1934**

**Date of Report (Date of earliest event reported) July 17, 2014**

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**Air Products and Chemicals, Inc.**

**(Exact Name of Registrant as Specified in Charter)**

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**Delaware**  
**(State or Other Jurisdiction  
of Incorporation)**

**1-4534**  
**(Commission  
File Number)**

**23-1274455**  
**(I.R.S. Employer  
Identification No.)**

**7201 Hamilton Boulevard, Allentown, Pennsylvania**  
**(Address of Principal Executive Offices)**

**18195-1501**  
**(Zip Code)**

**(610) 481-4911**  
**(Registrant's telephone number, including area code)**

**not applicable**  
**(Former Name or Former Address, if Changed Since Last Report)**

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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 communications 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 240.14a-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 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 8.01. Other Events.

On 17 July 2014, the Board of Directors (the "Board") of Air Products and Chemicals, Inc. elected Chad C. Deaton as Lead Director to serve a three year term. Mr. Deaton succeeds Evert Henkes, who has served as the Company's Presiding Director since January 2012. The Lead Director's responsibilities are presiding at executive sessions of the independent directors and over any other meetings of the Board or parts thereof when the Chairman of the Board is not present, reporting independent directors' feedback to the Chairman, and determining the agenda for executive sessions of independent directors. The Lead Director also has principal, but not exclusive, authority to convene a meeting of independent directors.

