

AIRGAS INC  
Form 8-K  
May 05, 2011  
**UNITED STATES**  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 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): **May 5, 2011**

**AIRGAS, INC.**

(Exact name of registrant as specified in its charter)

|   |                             |   |
|---|-----------------------------|---|
| Delaware  | 1-9344                      | 56-0732648                              |
| (State or other jurisdiction<br>of incorporation) | (Commission<br>File Number) | (I.R.S. Employer<br>Identification No.) |

**259 North Radnor-Chester Road, Suite 100  
Radnor, PA 19087-5283**

(Address of principal executive offices)

**(610) 687-5253**

(Registrant's telephone number, including area code)

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:

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 May 5, 2011, Airgas, Inc. announced a new program to repurchase up to \$300 million of its outstanding shares of common stock subject to the terms and conditions of the announcement. A press release announcing the repurchase program is attached as Exhibit 99.1 and is incorporated herein by reference.

**Item 9.01 Financial Statements and Exhibits.**

(a) None

(b) None

(c) None

(d) Exhibits.

99.1 - Press Release dated May 5, 2011

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**SIGNATURE**

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.

Dated: May 5, 2011 AIRGAS, INC.  
(Registrant)

BY: /s/ Thomas M. Smyth  
Thomas M. Smyth  
Vice President & Controller  
(Principal Accounting  
Officer)

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**Exhibit Index**

Exhibit 99.1 Press Release dated May 5, 2011