

MCCAUSLAND BONNIE F  
Form SC 13G/A  
February 11, 2013

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

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SCHEDULE 13G  
Under the Securities Exchange Act of 1934  
(Amendment No. 16)\*

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AIRGAS, INC.  
(Name of Issuer)

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COMMON STOCK  
(Title of Class of Securities)

009363 10 2  
(CUSIP Number)

December 31, 2012  
(Date of Event Which Requires Filing of this Statement)

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Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(Continued on following page(s))

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Page 1 of 7 pages

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CUSIP No. 009363 10 2

1. NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Bonnie F. McCausland

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\* (a)  (b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION  
United States

	5. SOLE VOTING POWER	
NUMBER OF	1,500	
SHARES	6. SHARED VOTING POWER	
BENEFICIALLY	6,992,668	
OWNED BY EACH	7. SOLE DISPOSITIVE POWER	
REPORTING	1,500	
PERSON WITH	8. SHARED DISPOSITIVE POWER	
	6,992,668	

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
6,994,168

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  
9.1%

12. TYPE OF REPORTING PERSON\*  
IN

- Item 1(a) Name of Issuer  
Airgas, Inc.
- Item 1(b) Address of Issuer's Principal Executive Offices  
Airgas, Inc.  
Radnor Court  
259 North Radnor Chester Road, Suite 100  
Radnor, Pennsylvania 19087-5283
- Item 2(a) Name of Person Filing  
Bonnie F. McCausland
- Item 2(b) Address of Principal Business Office, or, if none, Residence  
667 Thomas Road  
Lafayette Hill, Pennsylvania 19444
- Item 2(c) Citizenship  
United States
- Item 2(d) Title of Class of Securities  
Common Stock, par value \$0.01 per share
- Item 2(e) CUSIP Number  
009363 10 2

- Item 3 If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:
- (a) \_\_\_ Broker or dealer registered under Section 15 of the Exchange Act;
  - (b) \_\_\_ Bank as defined in Section 3(a)(6) of the Exchange Act;
  - (c) \_\_\_ Insurance company as defined in Section 3(a)(19) of the Exchange Act;
  - (d) \_\_\_ Investment company registered under Section 8 of the Investment Company Act;
  - (e) \_\_\_ An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
  - (f) \_\_\_ An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
  - (g) \_\_\_ A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
  - (h) \_\_\_ A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
  - (i) \_\_\_ A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
  - (j) \_\_\_ Group, in accordance with Rule 13d-1(b)(1)(ii)(J).
- Item 4 Ownership

(a) and (b). Bonnie F. McCausland beneficially owned an aggregate of 6,994,168 shares of the issuer's Common Stock, or approximately 9.1% of the shares outstanding, as of December 31, 2012, of which 96,540 shares were held in GRATs (as defined below) of which Mrs. McCausland and her husband, Peter McCausland, are trustees.

(c). Bonnie F. McCausland had sole power to vote or to direct the vote, and sole power to dispose or to direct the disposition of, 1,500 shares of the issuer's Common Stock. Mrs. McCausland had shared power to vote or to direct the vote, and/or shared power to dispose or to direct the disposition of, 6,992,668 shares of the issuer's Common Stock, which included (i) 382,689 shares held by a charitable foundation (the "Foundation") of which Mrs. McCausland is an officer and director, (ii) 48,270 shares held by three separate grantor retained annuity trusts of which Mrs. McCausland is a beneficiary and co-trustee with her husband, Peter McCausland, and another trustee, and (iii) 48,270 shares held by three separate grantor retained annuity trusts of which Peter McCausland is a beneficiary and co-trustee with Mrs. McCausland and another trustee (each of the referenced grantor retained annuity trusts referred to, collectively, as the "GRATs").

Item 5 Ownership of Five Percent or Less of a Class

Not Applicable

Item 6 Ownership of More than Five Percent on Behalf of Another Person

No other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the issuer's shares which are the subject of this Schedule 13G, except that, (i) with respect to 6,513,439 shares, Mr. McCausland shares with Mrs. McCausland the right, (ii) with respect to 382,689 shares, the Foundation has the exclusive right, and,

(iii) with respect to 96,540 shares, the GRATs have the right to receive the dividends from and the proceeds of sale as to such shares.

Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company

Not Applicable

Item 8 Identification and Classification of Members of the Group

Not Applicable

Item 9 Notice of Dissolution of Group

Not Applicable

Item 10 Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose of effect.

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 11, 2013

/s/ Bonnie F. McCausland  
Bonnie F. McCausland

McKINLEY C. McADOO  
JAMES G. LOGUE  
ALAN N. ESCOTT  
GLENN S. GITOMER  
MARC S. MASER  
NANCY D. WEISBERG  
STEPHAN K. PAHIDES  
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MICHAEL B. LUTZ

February 11, 2013

Securities and Exchange Commission  
Division of Corporate Finance  
100 F Street NE  
Washington, DC 20549

Dear Sir or Madam:

Pursuant to the provisions of Regulation S T, enclosed please find Amendment No. 16 to Schedule 13G regarding Bonnie F. McCausland's beneficial ownership of the common stock of Airgas, Inc. The filing is being effected by direct transmission to the Commission's EDGAR system.

Sincerely,  
/s/ Robert A. Mascioli  
Robert A. Mascioli

Enclosures

cc: Bonnie F. McCausland  
Robert H. Young, Jr., Vice President, General Counsel and Secretary, Airgas, Inc.