Graff Leslie J Form 4 August 26, 2011

FORM 4

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

Check this box

if no longer subject to

Section 16. Form 4 or Form 5 obligations may continue.

See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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

(Print or Type Responses)

(Last)

1. Name and Address of Reporting Person * Graff Leslie J

> (First) (Middle)

C/O AIRGAS, INC., 259 N. RADNOR-CHESTER ROAD,

SUITE 100

RADNOR, PA 19087

(Street)

2. Issuer Name and Ticker or Trading

Symbol AIRGAS INC [ARG]

3. Date of Earliest Transaction

(Month/Day/Year) 08/25/2011

4. If Amendment, Date Original

Filed(Month/Day/Year)

(Check all applicable)

5. Relationship of Reporting Person(s) to

OMB APPROVAL

3235-0287

January 31,

2005

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OMB

Number:

Expires:

response...

Estimated average

burden hours per

Director 10% Owner _ Other (specify X_ Officer (give title below)

Sr. VP Corporate Development

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Issuer

| (City) | (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned | | | | | | | | |
|--------------------------------------|--|---|--|--------------|-----|----------------|--|---|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transactio Code (Instr. 8) | | | | 5. Amount of Securities Ownership Beneficially Owned (D) or Following Reported Transaction(s) (Instr. 3 and 4) | | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| Common Stock | 08/25/2011 | | Code V S | Amount 1,300 | (D) | Price \$ 62.04 | 18,414 (1) | D | |
| Common Stock | 08/25/2011 | | S | 700 | D | \$ 62.05 | 17,714 (1) | D | |
| Common Stock | | | | | | | 250 | I | By Immediate Family |
| Common Stock | | | | | | | 4,273 <u>(2)</u> | I | By 401(k) Plan |

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

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SEC 1474 (9-02)

> 9. Nu Deriv Secu Bene Own Follo Repo Trans (Insti

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | : | 5. | 6. Date Exer | cisable and | 7. Tit | le and | 8. Price of |
|-------------|-------------|---------------------|--------------------|-----------|-------|------------|------------------|--------------|---------|------------|-------------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transa | ction | Number | Expiration D | ate | Amou | ınt of | Derivative |
| Security | or Exercise | | any | Code | (| of | (Month/Day/ | Year) | Unde | rlying | Security |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8 | 8) 1 | Derivative | e | | Secur | ities | (Instr. 5) |
| | Derivative | | | | | Securities | | | (Instr. | . 3 and 4) | |
| | Security | | | | 1 | Acquired | | | | | |
| | · | | | | (| (A) or | | | | | |
| | | | | | | Disposed | | | | | |
| | | | | | | of (D) | | | | | |
| | | | | | | (Instr. 3, | | | | | |
| | | | | | | 4, and 5) | | | | | |
| | | | | | | ., | | | | | |
| | | | | | | | | | | Amount | |
| | | | | | | | Date | Expiration | | or | |
| | | | | | | | Exercisable Date | Title Number | Number | | |
| | | | | | | | | Date | | of | |
| | | | | Code | V | (A) (D) | | | | Shares | |

Reporting Owners

Relationships Reporting Owner Name / Address

> Officer Other Director 10% Owner

Graff Leslie J C/O AIRGAS, INC. 259 N. RADNOR-CHESTER ROAD, SUITE 100 RADNOR, PA 19087

Sr. VP Corporate Development

Signatures

Robert H. Young, Jr., Attorney-In-Fact for Leslie J. Graff

08/26/2011

**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).
- Includes 3,494 shares of Airgas, Inc. common stock acquired pursuant to Airgas, Inc.'s Employee Stock Purchase Plan ("ESPP") as of 8/25/2011, the date of the latest available statement of the reporting person's ESPP holdings. Since 4/1/2011, the date of the statement relied upon for the amount reported on the reporting person's 4/4/2011 Form 4, a total of 27 ESPP shares have been acquired in transactions exempt from Section 16(b).
- The information presented is as of 8/25/2011, the date of the latest available statement of the reporting person's holdings of Airgas, Inc. common stock in his 401(k) plan. Since 4/1/2011, the date of the statement relied upon for the amount reported on the reporting person's 4/4/2011 Form 4, a total of 13 shares have been acquired in transactions exempt from Section 16(b).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Reporting Owners 2

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