

Advanced Emissions Solutions, Inc.
 Form 4
 July 21, 2015

FORM 4

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

OMB APPROVAL

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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)

1. Name and Address of Reporting Person *
 Amrhein Christine B.

2. Issuer Name and Ticker or Trading Symbol
 Advanced Emissions Solutions, Inc.
 [ADES]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
 9135 S. RIDGELINE BLVD.,
 SUITE 200, C/O ADVANCED
 EMISSIONS SOLUTIONS, INC.
 (Street)

3. Date of Earliest Transaction
 (Month/Day/Year)
 07/18/2015

____ Director
 Officer (give title below)
 ____ 10% Owner
 ____ Other (specify below)
 General Counsel

HIGHLANDS RANCH, CO 80129
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ____ Form filed by More than One Reporting Person

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. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | | (A) or (D) Code V Amount (D) Price | | | |
| Common Stock | 07/18/2015 | | F | 132 ⁽¹⁾ D \$ 12.75 | 15,357 ⁽²⁾ | D | |
| Common Stock | | | | | 31,786 ⁽³⁾ | I | By Spouse |

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

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 (9-02)

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

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Owned Following Transaction (Instr. 5) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|-----------------|-------|
| | Director | 10% Owner | Officer | Other |
| Amrhein Christine B. 9135 S. RIDGELINE BLVD., SUITE 200 C/O ADVANCED EMISSIONS SOLUTIONS, INC. HIGHLANDS RANCH, CO 80129 | | | General Counsel | |

Signatures

/s/ Christine B. Amrhein 07/21/2015

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).
- The reporting person delivered stock to the Issuer to cover the payment of the tax liability incident to the vesting of 712 shares of
- (1) Restricted Stock issued under the Advanced Emissions Solution's Inc. Amended and Restated 2007 Equity Incentive Plan, as amended (the "2007 Plan").
 - (2) Of the amount shown, 1,746 shares are held in the qualified pension plan account of the reporting person and 7,446 shares were issued pursuant to programs under the 2007 Plan, are not fully vested and are subject to certain repurchase rights.
 - (3) Of the amount shown, 9,532 shares are held in the qualified pension plan account of the reporting person's spouse and 1,014 shares are restricted stock (not fully vested and subject to forfeiture under the Company's Amended and Restated 2010 Non-Management Compensation and Incentive Plan).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.