Advanced Emissions Solutions, Inc.

Form 5

January 27, 2014

OMB APPROVAL FORM 5

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

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

Reported 30(h) of the Investment Company Act of 1940 Form 4

Transactions Reported

may continue.

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer Amrhein Christine B. Symbol Advanced Emissions Solutions, Inc. (Check all applicable) [ADES] (Middle) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) Director 10% Owner _ Officer (give title Other (specify (Month/Day/Year) below) below) 12/31/2013 General Counsel & VP 9135 S. RIDGELINE BLVD.. SUITE 200, C/O ADA-ES, INC. (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line) _X_ Form Filed by One Reporting Person

| HIGHLA | N | DS | |
|---------------|---|-----|-------|
| RANCH, | Â | COÂ | 80129 |

(State)

(Zip)

(City)

Form Filed by More than One Reporting

Table I Non Derivative Securities Acquired Disposed of ar Repeticially Owned

OMB

Number:

Expires:

response...

Estimated average

burden hours per

3235-0362

January 31,

2005

1.0

| ` • | Table 1 - Non-Derivative Securities Acquired, Disposed 61, 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. Securi Acquired Disposed (Instr. 3, | l (A) o l of (D |) | 5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| Common Stock | Â | Â | Â | Â | Â | Â | 5,382 (1) | D | Â |
| Common Stock | Â | Â | Â | Â | Â | Â | 15,699 <u>(2)</u> | I | By Spouse |

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 2270 (9-02)

Edgar Filing: Advanced Emissions Solutions, Inc. - Form 5

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 Exerce Expiration D (Month/Day/ | ate | 7. Title and 2. Underlying S (Instr. 3 and | Securities 1 |
|---|---|--------------------------------------|---|---|---|---|--------------------|--|--|
| | | | | | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Performance Share Units | Â | Â | Â | Â | Â | (4) | (4) | Common Stock | 3,836 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | |
|--|---------------|-----------|----------------------------|-------|--|--|
| 2 | Director | 10% Owner | Officer | Other | | |
| Amrhein Christine B. 9135 S. RIDGELINE BLVD., SUITE 200 C/O ADA-ES, INC. HIGHLANDS RANCH, CO 80129 | Â | Â | General Counsel & VP | Â | | |

Signatures

Christine B.
Amrhein

**Signature of Date

**Signature of Da Reporting Person

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).
- (1) Of the amount shown, 798 shares are held in the qualified pension plan account of Ms. Amrhein and 3,104 shares were issued pursuant to the programs under the 2007 Plan, are not fully vested and are subject to certain repurchase rights.
- Of the amount shown, 4,722 shares are held in the qualified pension plan account of Mr. Amrhein and 437 shares were issued pursuant to the programs under the 2007 Plan, are not fully vested and are subject to certain repurchase rights.
- (3) Each Performance Share Unit represents a contingent right to receive one share of the Company's common stock
- Vesting of the Performance Share Units, if at all, will occur on January 2, 2016, subject to continuous service and the achievement of certain pre-established goals to be measured as of December 31, 2015, unless such units vest sooner at the target amount pursuant to Section 11 of the 2007 Plan.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.

Reporting Owners 2