

Advanced Emissions Solutions, Inc.  
 Form 4  
 February 18, 2014

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2015  
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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 ADA-ES, INC.  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 02/11/2014

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 General Counsel & VP

HIGHLANDS RANCH, CO 80129

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

(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. 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)			
				Code	V	Amount	(A) or (D)	Price		
Common Stock	02/11/2014		A		75 <sup>(1)</sup>	A	52.18 <sub>(2)</sub>	6,382 <sup>(3)</sup>	D	
Common Stock	02/11/2014		A		44 <sup>(4)</sup>	A	52.18 <sub>(2)</sub>	15,914 <sup>(5)</sup>	I	By Spouse

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

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SEC 1474 (9-02)

number.

**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. Nu
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

### Reporting Owner Name / Address

### Relationships

Director 10% Owner Officer Other

Amrhein Christine B.  
9135 S. RIDGELINE BLVD., SUITE 200  
C/O ADA-ES, INC.  
HIGHLANDS RANCH, CO 80129

General Counsel & VP

## Signatures

Christine B.  
Amrhein 02/18/2014

\*\*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).
- (1) Shares issued directly to Ms. Amrhein's qualified pension plan.
- (2) Price equals the fair market value of the shares on the date of authorization.
- (3) Of the amount shown, 873 shares are held in the qualified pension plan account of Ms. Amrhein and 3,541 shares were issued pursuant to a program under the Company's Equity Incentive Plan, are not fully vested and are subject to certain repurchase rights.
- (4) Shares issued directly to Mr. Amrhein's qualified pension plan.
- (5) Of the amount shown, 4,766 shares are held in the qualified pension plan account of Mr. Amrhein and 608 shares were issued pursuant to a program under the Company's Equity Incentive Plan, are not fully vested and are subject to certain repurchase rights.

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.