

Advanced Emissions Solutions, Inc.  
 Form 4  
 August 02, 2013

**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 ADA-ES, INC.  
 (Street)

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 08/01/2013

\_\_\_\_ Director  
 Officer (give title below)  
 \_\_\_\_ 10% Owner  
 \_\_\_\_ 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	08/01/2013		A		76 <sup>(1)</sup>	A	42.95	5,218 <sup>(3)</sup> <sup>(4)</sup>	D	
							\$ <sup>(2)</sup>			
Common Stock	08/01/2013		A		66 <sup>(5)</sup>	A	42.95	15,639 <sup>(4)</sup> <sup>(6)</sup>	I	By Spouse
							\$ <sup>(2)</sup>			

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. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 3 and 4)
				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 08/02/2013

\*\*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, 634 shares are held in the qualified pension plan account of Ms. Amrhein and 3,104 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) On July 1, 2013, Advanced Emissions Solutions, Inc., a Delaware corporation ("Issuer"), became the successor of ADA-ES, Inc., a Colorado corporation ("ADA"), pursuant to a reorganization whereby a wholly owned subsidiary of Issuer was merged with and into ADA, with ADA continuing as the surviving entity and becoming a wholly owned subsidiary of Issuer. In the merger, each outstanding share of ADA common stock, no par value, immediately prior to the merger was automatically converted into one share of common stock, par value \$0.001 per share, of Issuer ("Issuer Common Stock"). All stock-based benefit plans of ADA were assumed by Issuer and, going forward, Issuer Common Stock will be issued upon the vesting of any stock-based awards or the exercise of options to reflect the substitution of the Issuer's Common Stock for ADA's common stock. The reorganization did not alter the proportionate interests of security holders.

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- (5) Shares issued directly to Mr. Amrhein's qualified pension plan.
- (6) Of the amount shown, 4,662 shares are held in the qualified pension plan account of Mr. Amrhein and 437 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.