Advanced Emissions Solutions, Inc.

Form 5

January 27, 2014

FORM 5 UNITED STATES SECURITIES AND EVOLANCE COMMISSION OMB

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.

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires. 2005
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Number:

Expires:

3235-0362

January 31,

See Instruction
1(b). Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
Reported 20(b) of the Insurance Company Act of 1940.

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

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) 9135 S. RIDO SUITE 200,Â			3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2013	Director 10% Owner Other (give title Other (specify below)			
(Street)			4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Reporting (check applicable line)			
HIGHLAND RANCH, C				_X_ Form Filed by One Reporting Person Form Filed by More than One Reporting Person			
(City)	(State)	(Zip)					

(City)	(State)	Table 1 - 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. 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 (2)	I	By Spouse

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

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SEC 2270 (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. 6. Date Exercisable and Expiration Date of (Month/Day/Year) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
					(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.

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