Advanced Emissions Solutions, Inc.

Form 4 July 20, 2016

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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subject to Section 16. Form 4 or Form 5 obligations

may continue.

See Instruction

if no longer

Check this box

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

1(b).

(Print or Type Responses)

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

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

Advanced Emissions Solutions, Inc.

(Check all applicable)

[ADES]

(Last) (First) 3. Date of Earliest Transaction

Director 10% Owner X_ Officer (give title Other (specify

(Month/Day/Year)

(Middle)

(Zip)

07/18/2016

below) General Counsel

9135 S. RIDGELINE BLVD.. SUITE 200, C/O ADVANCED EMISSIONS SOLUTIONS, INC.

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

HIGHLANDS RANCH, CO 80129

(City) (State) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

07/18/2016

(Month/Day/Year)

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

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Indirect Form: Direct (D) or Indirect (I)

(Instr. 4)

D

Beneficial Ownership (Instr. 4)

(A) or

Reported Transaction(s) (Instr. 3 and 4) Price

Code V

(D) Amount F $2^{(1)}$

 $26,740^{(2)}$

30,994 (3)

By Spouse

Common Stock

Stock

Common

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SEC 1474 (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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate	Amoun	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8) Derivative		e		Securit	ies	(Instr. 5)	Bene
	Derivative				Securities Acquired			(Instr. 3	3 and 4)		Own
	Security										Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A manuat		
									Amount		
					Date	Date	Expiration	Or Title Nesselves			
						Exercisable Date	Date		Number		
				C + V	(A) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address 10% Owner Officer Other Director

General

Counsel

Amrhein Christine B. 9135 S. RIDGELINE BLVD., SUITE 200 C/O ADVANCED EMISSIONS SOLUTIONS, INC. HIGHLANDS RANCH, CO 80129

Signatures

/s/ Christine B. 07/20/2016 Amrhein

**Signature of Reporting 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 948 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").
- Of the amount shown, 1,746 shares are held in the qualified pension plan account of the reporting person and 3,215 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 a qualified pension plan account of the reporting person's spouse.

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.

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