Advanced Emissions Solutions, Inc.

Form 4 July 21, 2015

FORM 4

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

OMB Number: 3235-0287

OMB APPROVAL

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005
Estimated average

Form 4 or Form 5 obligations may continue. See Instruction

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

burden hours per response... 0.5

5. Relationship of Reporting Person(s) to

1(b).

(Print or Type Responses)

LAGARENNE JONATHAN R Issuer Symbol Advanced Emissions Solutions, Inc. (Check all applicable) [ADES] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner X_ Officer (give title Other (specify (Month/Day/Year) below) C/O ADVANCED EMISSIONS 05/31/2015 Executive Vice President

2. Issuer Name and Ticker or Trading

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

1. Name and Address of Reporting Person *

(Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line)

Y. Form filed by

LY_Form filed by One Reporting Person
HIGHLANDS RANCH, CO 80129

— 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 3. 4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of Securities Form: Direct Indirect (Instr. 3) Code Beneficially (D) or Beneficial (D) (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) Code V (D) Price Amount Common 1,279 05/31/2015 F 31,203 (2) D (1) Stock 13.7

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 1474

(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)			ate	7. Title and Amount of Underlying Securities	nt of lying ities	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene
	Derivative Security				Securities Acquired			(Instr.	3 and 4)		Owne Follo
					(A) or Disposed						Repo Trans
					of (D) (Instr. 3, 4, and 5)						(Instr
					4, and 3)				Amount		
						Date Exercisable	Expiration Date	Title	or Number of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

LAGARENNE JONATHAN R C/O ADVANCED EMISSIONS SOLUTIONS, INC. 9135 S. RIDGELINE BLVD., SUITE 200 HIGHLANDS RANCH, CO 80129

Executive Vice President

Signatures

/s/ Christine B. Amrhein, by power of attorney

07/21/2015

**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).
- The reporting person delivered stock to the Issuer to cover the payment of the tax liability incident to the vesting of 4,000 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").
- (2) Of the amount shown, 556 shares are held in the qualified pension plan account of the reporting person and 19,812 shares were issued pursuant to programs under the 2007 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.

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