Advanced Emissions Solutions, Inc.

Form 5

Common

Stock

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January 27, 2014

OMB APPROVAL FORM 5 **OMB** UNITED STATES SECURITIES AND EXCHANGE COMMISSION 3235-0362 Number: Washington, D.C. 20549 Check this box if January 31, Expires: no longer subject 2005 to Section 16. Estimated average ANNUAL STATEMENT OF CHANGES IN BENEFICIAL Form 4 or Form burden hours per 5 obligations OWNERSHIP OF SECURITIES response... 1.0 may continue. See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940 Form 4 Transactions Reported 1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer MCKINNIES MARK H Symbol Advanced Emissions Solutions, Inc. (Check all applicable) [ADES] (Middle) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) _X_ Director 10% Owner _X__ Officer (give title Other (specify (Month/Day/Year) below) below) 12/31/2013 SVP & CFO 9135 S. RIDGELINE BLVD., Â SUITE 200 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line) **HIGHLANDS** _X_ Form Filed by One Reporting Person RANCH, COÂ 80129 Form Filed by More than One Reporting (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 4. Securities Acquired 5. Amount of 6. 7. Nature of Transaction Security (Month/Day/Year) Execution Date, if (A) or Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) Owned at Direct (D) Ownership end of or Indirect (Instr. 4) Issuer's (I) Fiscal Year (Instr. 4) (A) (Instr. 3 and or 4) Amount (D) Price Common Â Â 06/11/2013 77,524 (1) G 500 D D 38.87 Stock Shares held by MJ Kraft

Trust, Mark

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

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SEC 2270 (9-02)

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)				7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
					(A) ((D)	Date Exercisable	Expiration Date	Title	Amoun or Number of Share
Stock Options	\$ 8.6	Â	Â	Â	Â.	Â	01/07/2009	12/31/2015	Common Stock	34,21
Performance Share Units	Â	Â	Â	Â	Â.	Â	(3)	(3)	Common Stock	16,20

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
MCKINNIES MARK H							
9135 S. RIDGELINE BLVD.	ÂΧ	Â	SVP & CFO	Â			
SUITE 200	ΑΛ	А	A SVI & CIO	А			
HIGHLANDS RANCH Â COÂ 80129							

Signatures

Mark H.
McKinnies

**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) Of the amount shown, 27,950 shares are held in the qualified pension plan account of the reporting person and 12,000 shares were issued pursuant to the programs under the 2007 Plan, are not fully vested and are subject to certain repurchase rights.
- (2) Each Performance Share Unit represents a contingent right to receive one share of the Company's common stock.
- (3) 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

Reporting Owners 2

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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.