

Advanced Emissions Solutions, Inc.  
 Form 3  
 June 22, 2016

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 * Mark Greg (Last) (First) (Middle)  9135 RIDGELINE BLVD, SUITE 200  (Street)  HIGHLANDS RANCH, CO 80129 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 06/12/2016	3. Issuer Name and Ticker or Trading Symbol Advanced Emissions Solutions, Inc. [ADES]	4. Relationship of Reporting Person(s) to Issuer  (Check all applicable)  <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) Chief Accounting Officer	5. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
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**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	27,466 <sup>(1)</sup> <sup>(2)</sup>	D	

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

SEC 1473 (7-02)

**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.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)  Title	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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Date Exercisable	Expiration Date	Amount or Number of Shares	or Indirect (I) (Instr. 5)
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## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Marken Greg 9135 RIDGELINE BLVD, SUITE 200 HIGHLANDS RANCH, CO 80129	Â	Â	Â Chief Accounting Officer	Â

## Signatures

/s/ Greg P.  
Marken

06/22/2016

\*\*Signature of \_\_\_\_\_ Date \_\_\_\_\_  
Reporting Person

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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) Represents 20,552 shares of Restricted Stock (common stock subject to certain repurchase rights) and 1,914 shares of common stock issued pursuant to the Advanced Emissions Solutions, Inc. Amended and Restated 2010 Non-Management Compensation and Incentive Plan, as amended (the "2010 Plan") and 5,000 shares of Restricted Stock (common stock subject to certain repurchase rights) issued pursuant to the Advanced Emissions Solutions, Inc. Amended and Restated 2007 Equity Incentive Plan, as amended (the "2007 Plan"). Of such amount, 15,000 and 5,000 shares will vest, if at all, on April 14, 2017 and June 12, 2017, respectively. Of the remaining shares, one-half will vest, if at all, on each of January 12, 2017 and January 12, 2018.
  - (2) Vesting of the Restricted Stock is subject to Mr. Marken's continuous service with Advanced Emissions Solutions, Inc. or its related entities unless such shares vest sooner pursuant to Section 11 of the 2007 Plan or 2010 or Mr. Marken's employment agreement.

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.