

Advanced Emissions Solutions, Inc.
 Form 3
 May 30, 2014

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 * | | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â SIMONTON TAYLOR | | | (Month/Day/Year) | Advanced Emissions Solutions, Inc. [ADES] | |
| (Last) | (First) | (Middle) | 05/21/2014 | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| 5170 SOUTH HANOVER WAY | | | | (Check all applicable) | |
| (Street) | | | | <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner | 6. Individual or Joint/Group Filing(Check Applicable Line) |
| ENGLEWOOD,Â COÂ 80111-6239 | | | | <input type="checkbox"/> Officer <input type="checkbox"/> Other (specify below) | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
| (City) | (State) | (Zip) | | | <input type="checkbox"/> Form filed by More than One Reporting Person |

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) |
|---------------------------------|---|--|---|
|---------------------------------|---|--|---|

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) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|---|--|---|---|
| | Date Exercisable Expiration Date | Title Amount or Number of Shares | | | |

| | | | | | | | |
|-----------------------------|-------|------------|--------------|--------|----------|---|---|
| Stock Option (right to buy) | Â (1) | 05/21/2019 | Common Stock | 10,000 | \$ 19.28 | D | Â |
|-----------------------------|-------|------------|--------------|--------|----------|---|---|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| SIMONTON TAYLOR 5170 SOUTH HANOVER WAY ENGLEWOOD,Â COÂ 80111-6239 | Â X | Â | Â | Â |

Signatures

| | |
|-----------------------|------------|
| J. Taylor Simonton | 05/30/2014 |
|-----------------------|------------|

| | |
|------------------------------------|------|
| **Signature of Reporting Person | Date |
|------------------------------------|------|

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) The reporting person received a grant of 10,000 options to purchase shares of common stock on May 21, 2014. On each annual vesting date, beginning on May 21, 2015 and ending May 21, 2017, one-third, or 3,334 of the options will vest.

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.