## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction

1(b).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

| OMB APPROVAL             |                      |  |  |  |  |  |  |  |
|--------------------------|----------------------|--|--|--|--|--|--|--|
| OMB<br>Number:           | 3235-0287            |  |  |  |  |  |  |  |
| Expires:                 | December 31,<br>2014 |  |  |  |  |  |  |  |
| Estimated average burden |                      |  |  |  |  |  |  |  |
| hours per response       | 0.5                  |  |  |  |  |  |  |  |

| 1. Name and Address of Reporting Person* Messick Dale E |               |                | 2. Issuer Name <b>and</b> Ticker or Trading Symbol LUNA INNOVATIONS INC [LUNA] | 5. Relationship of Reporting Person(s) to Issuer |  |   |  |  |
|---|---------------|----------------|--|--|--|---|--|--|
| (Last)<br>C/O LUNA IN<br>INCORPORA<br>STREET SW,        | TED, 1703 S   | (Middle)       | 3. Date of Earliest Transaction<br>(Month/Day/Year)<br>11/16/2006              | X  | ck all applicable) Director Officer (give title below) Chief Financial | 10% Owner<br>Other<br>(specify<br>below)<br>Officer |  |  |
| (Street) ROANOKE (City)                                 | VA<br>(State) | 24016<br>(Zip) | 4. If Amendment, Date of Original Filed (Month/Day/Year)                       | oup Filing<br>porting Person<br>an One           |  |   |  |  |

|                                      | Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |   |                                     |   |   |                  |           |  |   |   |  |  |  |
|--------------------------------------|--|---|-------------------------------------|---|---|------------------|-----------|--|---|---|--|--|--|
| 1.Title of<br>Security<br>(Instr. 3) | 2. Transaction<br>Date<br>(Month/Day/Year)                                       | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 3.<br>Transac<br>Code<br>(Instr. 8) |   | 4. Secur<br>Acquired<br>Dispose<br>(Instr. 3, | d (A)<br>d of    | or<br>(D) | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following | 6.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |  |  |
|                                      |  |   | Code                                | V | Amount  | (A)<br>or<br>(D) | Price     | Reported Transaction(s) (Instr. 3 and 4)                         | (I)<br>(Instr. 4)                                     | (111511. 4)   |  |  |  |
| Common<br>Stock                      | 11/16/2006   |   | <b>A</b> <sup>(1)</sup>             |   | 10,627  | A                | \$ 3.67   | 10,627   | D   |   |  |  |  |

|   | Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |  |   |  |   |                               |     |                            |                    |  |  |   |  |  |  |
|---|--|--|---|--|---|-------------------------------|-----|----------------------------|--------------------|--|--|---|--|--|--|
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3) | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security  | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 4. Transaction Code (Instr. 8) Secu Acqu (A) or Disport of (D) (Instr. |   | 5.<br>Number of<br>Derivative |     | 6. Date<br>Exercisable and |                    | 7. Title and<br>Amount of<br>Underlying<br>Securities<br>(Instr. 3 and<br>4) |  | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number of<br>Derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 4) | 10.<br>Ownership<br>Form of<br>Derivative<br>Security:<br>Direct (D)<br>or Indirect<br>(I)<br>(Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|   |  |  |   | Code   | v | (A)                           | (D) | Date<br>Exercisable        | Expiration<br>Date | Title  | Amount<br>or<br>Number<br>of<br>Shares |   |  |  |  |

## **Explanation of Responses:**

1. Restricted stock grant in lieu of cash expense reimbursement granted under the issuer's 2006 Equity Incentive Plan

Aaron S. Hullman, Attorney-in-Fact

11/17/2006

\*\* Signature of Reporting

Date

Person

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

- \* 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). Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.