

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

OMB Number:	3235-0104
Estimated average burden hours per response:	0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Backus John G</u> (Last) (First) (Middle) <u>C/O LUNA INNOVATIONS</u> <u>INCORPORATED</u> <u>2851 COMMERCE STREET</u> (Street) <u>BLACKSBURG VA</u> <u>24060</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>06/02/2006</u>	3. Issuer Name and Ticker or Trading Symbol <u>LUNA INNOVATIONS INC [LUNA]</u> 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person 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)
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: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
<u>Employee Stock Option (Right to Buy)</u>	<u>(1)</u>	<u>11/11/2016</u>	<u>Common Stock</u>	<u>1.7692</u>	<u>D</u>	
<u>Employee Stock Option (Right to Buy)</u>	<u>(2)</u>	<u>02/08/2017</u>	<u>Common Stock</u>	<u>1.7692</u>	<u>D</u>	

Explanation of Responses:

1. 1/4 of the option shares will become exercisable on November 11, 2006. The remaining option shares are exercisable at a rate of 1/36 per month thereafter.
2. 1/3 of the option shares will become exercisable on February 8, 2007. The remaining option shares are exercisable at a rate of 1/24 per month thereafter.

/s/ Aaron S. Hullman, Esq.,
Attorney-in-Fact

06/02/2006

** Signature of Reporting Person Date

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 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).

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.