FORM 3

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

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIESM

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 Number:	3235-0104
Expires:	December 31, 2014
Estimated average burden hours per response	0.5

1. Name and Address of Reporting Person*	2. Date of Event Requiring Statement (Month/Day/Year)	3. Issuer Name **and** Ticker or Trading Symbol	
Engebritson Lori D (Last) (First) (Middle) C/O LUNA INNOVATIONS, INCORPORATED, 2851 COMMERCE STREET (Street) BLACKSBURG VA 24060 (City) (State) (Zip)	06/02/2006	LUNA INNOVATIONS INC [LUNA] 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director — 10% Owner X Officer (give title below) — Other (specify below) VP Human Resources	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) X 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 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 Excercise 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	Title	Amount or Number of SharesM			
Employee Stock Option (Right to Buy)	(1)	09/22/2013	Common Stock	84,785	$ 0.3538	D	
Employee Stock Option (Right to Buy)	(2)	09/22/2013	Common Stock	1,527	$ 0.3538	D	
Employee Stock Option (Right to Buy)	(3)	04/26/2015	Common Stock	5,653	$ 0.3538	D	
Employee Stock Option (Right to Buy)	(4)	05/20/2015	Common Stock	84,785	$ 0.3538	D	
Employee Stock Option (Right to Buy)	(5)	02/08/2007	Common Stock	42,393	$ 1.7692	D	

Explanation of Responses:

1. 100% of the option shares became exercisable on September 22, 2005.

2. 100% of the option shares became exercisable on September 22, 2003.

3. 1/4 of the option shares will become exercisable on January 1, 2007. The remaining option shares are exercisable at a rate of 1/36 per month thereafter.

4. 1/4 of the option shares became exercisable on May 20, 2006. The remaining option shares are exercisable at a rate of 1/36 per month thereafter.

5. 1/2 of the option shares became exercisable on February 8, 2006. 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.