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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, DC 20549

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**FORM 8-K**

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**CURRENT REPORT**

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): **March 31, 2010**

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**Luna Innovations Incorporated**

(Exact name of registrant as specified in its charter)

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**Delaware**  
(State or other jurisdiction  
of incorporation)

**000-52008**  
(Commission File Number)

**54-1560050**  
(IRS Employer  
Identification No.)

**1 Riverside Circle, Suite 400**  
Roanoke, Virginia 24016  
(Address of principal executive offices, including zip code)

**540-769-8400**  
(Registrant's telephone number, including area code)

(Former name or former address, if changed since last report)

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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**Item 5.02. Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangement of Certain Officers.**

**(b) Departure of Directors or Certain Officers.**

On March 31, 2010, Dr. Robert Lenk provided notice to Luna Innovations Incorporated of his decision to resign effective as of April 15, 2010. Luna wishes to thank Dr. Lenk for his contributions to Luna.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**Luna Innovations Incorporated**

By:           /s/ TALFOURD H. KEMPER, JR.            
          Talfourd H. Kemper, Jr.  
          Vice President and General Counsel

Date: April 1, 2010