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

FORM 8-K

CURRENT REPORT

PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of report (Date of earliest event reported) May 15, 2007

Nephros, Inc.
(Exact Name of Registrant as Specified in Charter)

Commission File Number: 001-32288

<u>Delaware</u> (State or other Jurisdiction of Incorporation) 13-3971809 (I.R.S. Employer Identification No.)

3960 Broadway, New York, New York 10032 (Address of Principal Executive Offices) (Zip Code)

(212) 781-5113

(Registrant's telephone number, including area code)

Not Applicable

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

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:

- r Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- r Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- r Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- r Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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Item 2.02 Results of Operations and Financial Condition.

On May 15, 2007, Nephros, Inc. (the "Company") issued a press release announcing the Company's fiscal first quarter 2007 earnings. The full text of this press release is attached hereto as Exhibit 99.1. The information in this Item 2.02 shall not be deemed to be "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934 or otherwise subject to the liability of that Section.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

99.1 Press Release issued by Nephros, Inc. dated May 15, 2007.

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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.

Date: May 15, 2007

NEPHROS, INC.

By: /s/ Mark W. Lerner

Mark W. Lerner Chief Financial Officer (Principal Financial and Accounting Officer)