
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): August 29, 2007 (August 28, 2007)

NxSTAGE MEDICAL, INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

000-51567
(Commission File Number)

04-3454702
(I.R.S. Employer
Identification No.)

439 S. Union St, 5 th Floor, Lawrence, MA
(Address of principal executive offices)

01843
(Zip Code)

(978) 687-4700
(Registrant's telephone number, including area code)

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:

- 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 Arrangements of Certain Officers.

(b)

On August 28, 2007, Philip R. Licari, the Senior Vice President and Chief Operating Officer of NxStage Medical, Inc. (“NxStage” or the “Company”), notified the Company that he intends to resign from the Company effective as of the closing of the Company’s acquisition of Medisystems Corporation and certain related entities, which is expected to occur in the fourth quarter of 2007.

Item 8.01. Other Events

On August 29, 2007, the Company issued a press release announcing that the U.S. antitrust authorities had completed their review of the Company’s proposed acquisition of Medisystems Corporation and related entities (the “Acquisition”). The Company also announced in the press release that Philip R. Licari, the Company’s Chief Operating Officer, had notified the Company of his intention to resign from the Company effective as of the closing of the Acquisition and that Michael Webb had been promoted to the position of Senior Vice President Quality, Regulatory and Clinical Affairs. The full text of the press release is attached as Exhibit 99.1 to this Current Report on Form 8-K and is hereby incorporated by reference.

Additional Information about the Acquisition and Where to Find It

In connection with the proposed Acquisition, NxStage intends to file a proxy statement with the Securities and Exchange Commission (the “SEC”). **Investors and securityholders of NxStage are urged to read the proxy statement (including any supplements) regarding the proposed transaction when it becomes available because it will contain important information about NxStage, Medisystems Corporation and related entities, David S. Utterberg and the proposed transaction.**

NxStage stockholders will be able to obtain a copy of the proxy statement as well as other filings containing information about NxStage, without charge, at the SEC’s Internet site (www.sec.gov). Copies of the proxy statement, and the SEC filings that will be incorporated by reference in the proxy statement, can also be obtained, without charge, by directing a request to NxStage Medical, Inc., 439 South Union Street, Fifth Floor, Lawrence, Massachusetts 01843 Attention: Investor Relations; telephone (978) 687-4700.

Participants in the Solicitation

NxStage, and its respective directors and executive officers, may be deemed to be participants in the solicitation of proxies in respect of the proposed transaction. Information regarding NxStage’s directors and executive officers is contained in NxStage’s Form 10-K for the year ended December 31, 2006 filed with the SEC on March 16, 2007 and its most recent annual meeting proxy statement filed with the SEC on April 30, 2007. These documents are available free of charge as described above.

David S. Utterberg, a director and the holder of approximately 6.7% of NxStage’s outstanding common stock, is the direct or indirect owner of all the outstanding equity interests of Medisystems Corporation and the related entities being acquired by NxStage. Information regarding the special interests of Mr. Utterberg and NxStage’s other directors and officers in the proposed transaction will also be included in the proxy statement referred to above.

Item 9.01. Financial Statements and Exhibits

<u>Exhibit No.</u>	<u>Description</u>
99.1	Press Release, dated August 29, 2007

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed by the undersigned hereunto duly authorized.

NxStage Medical, Inc.

Date: August 29, 2007

By: /s/ Jeffrey H. Burbank

Jeffrey H. Burbank
President and Chief Executive Officer



NxStage Medical Provides Update on Medisystems Acquisition

U.S. Antitrust Review Successfully Completed

*Michael J. Webb Promoted to Newly Created Role of
Senior Vice President of Quality, Regulatory, and Clinical Affairs*

Philip R. Licari to Step Down as Chief Operating Officer upon Closing of Planned Acquisition

LAWRENCE, MA., August 29, 2007 — NxStage Medical, Inc. (NASDAQ: NXTM), the manufacturer of the NxStage System One™ portable kidney dialysis machine, today announced that U.S. antitrust authorities have completed their review of the Company's acquisition of Medisystems Corporation and certain affiliated entities. The Company expects to close the transaction in the fourth quarter of 2007.

In anticipation of the closing, NxStage is starting to implement key organizational changes intended to allow the Company to better resource capabilities that are critical to the growth of the business. Effective immediately, Michael J. Webb has been promoted to the newly created role of Senior Vice President of Quality, Regulatory and Clinical Affairs.

"We are elevating the lead quality assurance position at NxStage because product quality is of the utmost importance to us. Mike Webb has more than 15 years of experience in medical device quality assurance, regulatory affairs, manufacturing, operations, engineering, development, and vendor management," said Jeffrey H. Burbank, President & CEO of NxStage Medical. "Quality is a critical aspect of our growing business and I am confident that Mike will advance NxStage's performance."

Prior to his promotion, Mr. Webb served at the Vice President level in several different roles at NxStage, including disposables manufacturing, operations and quality assurance, regulatory and clinical affairs. Prior to joining NxStage, Mr. Webb was Vice President of Operations for Mosaic Technologies, a developer of gene-based diagnostic products. Other previous positions include Director of Operations for TFX Medical and Director of Disposables Manufacturing and Logistics for Haemonetics Corporation. Mr. Webb received a BS degree in Industrial and Management Engineering and his MBA in Manufacturing Management from Rensselaer Polytechnic Institute.

Additionally, the Company announced that upon the close of the Medisystems acquisition, Phil Licari will resign as Senior Vice President & Chief Operating Officer, to pursue other opportunities.

"I'd like to thank Phil for his service to NxStage over the last three years and wish him the best of luck in his future endeavors. We are all grateful for Phil's many contributions to the Company, and appreciate his willingness to support us through this transition period until the planned Medisystems closing. He will leave us in extremely capable hands, as the Medisystems acquisition will bring NxStage a great team of seasoned industry executives, with decades of manufacturing experience in the dialysis industry." continued Mr. Burbank.

In addition to the Quality, Regulatory and Clinical Affairs responsibilities which are being assumed by Mike Webb, the majority of Phil Licari's other responsibilities as Chief Operating Officer are expected to be taken on by the Medisystems' executive team at the closing of the Medisystems acquisition.

About NxStage Medical

NxStage Medical, Inc. (NASDAQ: NXTM) is a medical device company, headquartered in Lawrence, Massachusetts, USA, that develops, manufactures and markets innovative systems for the treatment of end-stage renal disease, or ESRD, and acute kidney failure. For more information on NxStage and its products, please visit the Company's website at www.nxstage.com.

Forward-Looking Statements

This release contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. All statements contained in this release that are not clearly historical in nature are forward-looking, and the words "anticipate," "believe," "expect," "estimate," "plan," and similar expressions are generally intended to identify forward-looking statements. Examples of these forward-looking statements include statements as to the anticipated closing of the Medisystems transaction, the anticipated performance of certain executives, and expected benefits of the Medisystems transaction. All forward-looking statements involve risks, uncertainties and contingencies, many of which are beyond NxStage's control, which may cause actual results, performance, or achievements to differ materially from anticipated results, performance or achievements, including factors that may affect future operating results and which are detailed in NxStage's filings with the Securities and Exchange Commission, including the Annual Report on Form 10-K for the year ended December 31, 2006 and the Quarterly Report on Form 10-Q for the quarter ended June 30, 2007.

In addition, the statements in this press release represent NxStage's expectations and beliefs as of the date of this press release. NxStage anticipates that subsequent events and developments may cause these expectations and beliefs to change. However, while NxStage may elect to update these forward-looking statements at some point in the future, it specifically disclaims any obligation to do so, whether as a result of new information, future events, or otherwise. These

forward-looking statements should not be relied upon as representing NxStage's expectations or beliefs as of any date subsequent to the date of this press release.

Additional Information about the Acquisition of Medisystems Corporation and Where to Find It

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