Shea Thomas Form 4 January 03, 2013

FORM 4

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

Check this box if no longer subject to Section 16.

Form 4 or

obligations

may continue.

See Instruction

Form 5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Shea Thomas Issuer Symbol NxStage Medical, Inc. [NXTM] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify C/O NXSTAGE MEDICAL. 12/31/2012 below) **INC., 350 MERRIMACK STREET SVP Manufacturing Operations** (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting LAWRENCE, MA 01843 Person

| (City) | (State) (| Zip) Ta | ible I - Non-D | Perivative Securities Acq | uired, Disposed of | , or Beneficiall | y Owned |
|------------|---------------------|-------------------|----------------|---------------------------|--------------------|------------------|--------------|
| 1.Title of | 2. Transaction Date | 2A. Deemed | 3. | 4. Securities Acquired | 5. Amount of | 6. Ownership | 7. Nature of |
| Security | (Month/Day/Year) | Execution Date, i | f Transaction | on(A) or Disposed of (D) | Securities | Form: Direct | Indirect |
| (Instr 3) | | ansv | Code | (Instr. 3. A and 5) | Reneficially | (D) or | Reneficial |

| (| | (Month/Day/Year) | (Instr. 8) | (| | | Owned Following Reported | Indirect (I) (Instr. 4) |
|-----------------|------------|------------------|------------|--------------|------------------|-------------|---------------------------------|----------------------------|
| | | | Code V | Amount | (A) or (D) | Price | Transaction(s) (Instr. 3 and 4) | |
| Common Stock | 12/31/2012 | | M | 9,338 (1) | A | \$0 | 25,030 | D |
| Common Stock | 12/31/2012 | | F(2) | 2,961 | D | \$ 11.25 | 22,069 | D |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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 control number.

SEC 1474

(9-02)

Ownership

(Instr. 4)

OMB APPROVAL

Estimated average

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3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transactic Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | (Month/Day/Year) | | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | | 8. P. Derri Section (Ins |
|---|---|--------------------------------------|---|--|---|---------------------|--------------------|---|--|-----------------------------|
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| Restricted Stock Unit | <u>(3)</u> | 12/31/2012 | | M | 9,338 | <u>(4)</u> | <u>(4)</u> | Common Stock | 9,338 | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | | |
|--|---------------|-----------|------------------------------------|-------|--|--|--|
| zaporang o mas rama (zame) | Director | 10% Owner | Officer | Other | | | |
| Shea Thomas C/O NXSTAGE MEDICAL, INC. 350 MERRIMACK STREET LAWRENCE, MA 01843 | | | SVP Manufacturing Operations | | | | |

Signatures

/s/Winifred L. Swan, attorney-in-fact 01/03/2013

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(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).
- (1) Shares of common stock acquired upon the vesting of restricted stock units.
- This transaction reflects the withholding of shares of the Company's common stock to satisfy the reporting person's tax liability incurred in connection with the final tranche of awards granted to the reporting person on March 8, 2011 pursuant to the Company's 2010 Performance Share Plan.
- (3) Each restricted stock unit represents a contingent right to receive one share of the Company's common stock.
 - In March 2010, the Compensation Committee established the Company's 2010 Performance Share Plan with the amount of awards to be determined based upon the satisfaction of 2010 revenue and cash consumption targets. On March 8, 2011, the Compensation Committee
- (4) granted the reporting person 28,016 restricted stock units based on its evaluation of the achievement of performance criteria under the Company's 2010 Performance Share Plan. The award vested 33 1/3rd% on the date of grant (March 8, 2011), with the balance vesting in two equal installments on December 31, 2011 and December 31, 2012.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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