Tessmer James F Form 4 February 25, 2011

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

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response...

if no longer subject to Section 16. Form 4 or Form 5 obligations

may continue.

See Instruction

Check this box

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).

(Last)

(City)

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * Tessmer James F

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Issuer

Symbol

LEXICON PHARMACEUTICALS, INC./DE [LXRX]

(Check all applicable)

3. Date of Earliest Transaction

X_ Officer (give title

Director

10% Owner Other (specify

8800 TECHNOLOGY FOREST **PLACE**

(First)

(Month/Day/Year) 02/23/2011

below)

VP, Finance & Accounting

(Street)

(Middle)

(Zip)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.81

THE WOODLANDS, TX 77381

(State)

1.Title of Security (Instr. 3)	2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if any (Month/Day/Year)		3. 4. Securities A Transaction(A) or Dispos Code (D) (Instr. 8) (Instr. 3, 4 and		ispose	d of	5. Amount of Securities Beneficially Owned	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership
			Code V	Amount	(A) or (D)	Price	Following Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	(Instr. 4)
Common Stock	02/23/2011		A	6,906	A	\$0	25,585	D	
Common	02/23/2011		F(4)	2,116	D	\$	23,469	D	

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

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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. Transactio Code (Instr. 8)	5. Number of or Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 1.81	02/23/2011		A	70,000	<u>(1)</u>	02/23/2021	Common Stock	70,000
Restricted Stock Units (Phantom Stock)	<u>(2)</u>	02/23/2011		A	30,000	(3)	(3)	Common Stock	30,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
and the second	Director	10% Owner	Officer	Other			
Tessmer James F 8800 TECHNOLOGY FOREST PLACE THE WOODLANDS, TX 77381			VP, Finance & Accounting				

Signatures

/s/ James F.
Tessmer

**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) Option vests with respect to 25% of the shares subject to the option on the first anniversary of grant (2/23/2012) and vests 1/48th per month for each month of service thereafter.
- (2) Each restricted stock unit represents a contingent right to receive one share of common stock.
- (3) Restricted stock units vest with respect to 25% of the shares subject to the restricted stock units on February 28, 2012 and vest an additional 25% on February 28 of each of the three succeeding years thereafter.
- (4) Withholding of a portion of issued shares by the Company in satisfaction of shareholder's tax withholding obligations with respect thereto.

Reporting Owners 2

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