Swain Judith L Form 4 April 27, 2009

FORM 4

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

OMB Number:

Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

30(h) of the Investment Company Act of 1940

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

may continue. See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Swain Judith L

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

OMB APPROVAL

Expires:

response...

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

Symbol

LEXICON PHARMACEUTICALS,

(Check all applicable)

(Last) (First) (Middle)

(Street)

3. Date of Earliest Transaction (Month/Day/Year)

04/24/2009

INC./DE [LXRX]

X_ Director 10% Owner Officer (give title Other (specify

8800 TECHNOLOGY FOREST

PLACE

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

Person

Issuer

below)

THE

WOODLANDS, TX 773811160

(City) (State) (Zip)

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

1. Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (I)

(Instr. 4)

Ownership (Instr. 4)

(A) or

Transaction(s) (Instr. 3 and 4)

Following

Reported

Code V Amount (D) Price

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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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. Transaction Code (Instr. 8)	5. Number of orDerivative 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)	\$ 0.99	04/24/2009		A	10,000	<u>(1)</u>	04/24/2019	Common Stock	10,000

Reporting Owners

**Signature of

Reporting Owner Name / Address	Relationships				
copocong o mac rumo, rumo	Director	10% Owner	Officer	Other	
Swain Judith L 8800 TECHNOLOGY FOREST PLACE THE WOODLANDS, TX 773811160	X				
Signatures					
/s/ Swain, Judith 04/27/2009					

Reporting Person **Explanation of Responses:**

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

Date

- ** 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 1/12th of the shares subject to the option for each month of service following the date of grant.

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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