Instruction 1(b).

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 Form 5 obligations may continue. See

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* DEBBANE RAYMOND						2. Issuer Name and Ticker or Trading Symbol LEXICON PHARMACEUTICALS, INC./DE [LXRX]							of Reporting cable) r	g Pers X	on(s) to Issi 10% Ow	
(Last) (First) (Middle) 8800 TECHNOLOGY FOREST PLACE					3. Date of Earliest Transaction (Month/Day/Year) 04/24/2009							Officer below)	(give title		Other (s below)	pecify
(Street) THE WOODL	7		773811160	4.	If Ame	ndment, [Date (f Original Filed (Month/Day/Year)			Line	Individual or Joint/Group Filing (Check Applicable ine) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(State) (Zip)															
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																
Date				ransactior e nth/Day/Y	Execution			Code (Ins				Beneficia	es Forn ally (D) o Following (I) (Ir		: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
								Code V	Amount	(A) or (D)	Price	Transact (Instr. 3 a	ion(s)		"	msu. 4)
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	ransact Code (In				6. Date Exerc Expiration Da (Month/Day/\	e of Securitie		ies g Security	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 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		(1)	04/24/2019	Common Stock	10,000	\$0	10,000)	D	

Explanation of Responses:

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.

Remarks:

/s/ Debbane, Raymond

04/27/2009

** Signature of Reporting Person

Date

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

- * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.