Xenon Pharmaceuticals Inc.

Form 4

December 19, 2016

Check this box

if no longer

subject to

Section 16.

Form 4 or

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287

Expires: January 31, 2005

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 5 obligations may continue. See Instruction

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 * HOLLER FRANK A			2. Issuer Symbol	r Name and	Ticker or Trading	5. Relationship of Reporting Person(s) to Issuer				
(Last)	(First)	(Middle)		Pharmace f Earliest Tr	uticals Inc. [XENE]	(Chec	ck all applicable	÷)		
C/O XENON PHARMACEUTICALS INC, 200 - 3650 GILMORE WAY			(Month/E 12/15/2	ay/Year)		X Director 10% Owner Officer (give title Other (specify below)				
(Street)			4. If Amendment, Date Original			6. Individual or Joint/Group Filing(Check				
BURNABY	3	Filed(Month/Day/Year)			Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(State)	(Zip)	Tabl	e I - Non-D	Perivative Securities Acq	uired, Disposed o	f, or Beneficial	ly Owned		
1.Title of Security	2. Transaction D (Month/Day/Yea			3. Transactio	4. Securities Acquired on(A) or Disposed of (D)	5. Amount of Securities	6. Ownership Form: Direct			

						_			/ =	
1.Title of Security (Instr. 3)		nsaction Date 2A. Deemed th/Day/Year) Execution Date, if any (Month/Day/Year)		4. Securities Acquired n(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Shares	12/15/2016		Code V	Amount 30,000	or (D)	Price \$ 7.85	(Instr. 3 and 4) 115,869	D		
Common Shares							1,184	I	By Spouse	

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

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SEC 1474

(9-02)

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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	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transacti	5. orNumber	6. Date Exerc Expiration D		7. Title Amount		8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)	or Exercise Price of Derivative Security	(Month/Day/Tear)	any Code (Month/Day/Year) (Instr. 8		of	(Month/Day/		Underly Securiti (Instr. 3	ying ies	Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title N	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

HOLLER FRANK A C/O XENON PHARMACEUTICALS INC 200 - 3650 GILMORE WAY BURNABY, A1 V5G 4W8

X

Signatures

/s/ Joanne Smartt, Attorney-in-fact

12/19/2016

**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).

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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