RespireRx Pharmaceuticals Inc.

Form 4

April 11, 2016

FORM 4

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

OMB 3235-0287 Number:

OMB APPROVAL

Check this box if no longer subject to

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

January 31, Expires: 2005

0.5

Section 16. Form 4 or Form 5 obligations may continue.

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

burden hours per response...

Estimated average

See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * MANUSO JAMES S J

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

RespireRx Pharmaceuticals Inc.

(Check all applicable)

[RSPI]

(Last) (First) (Middle) 3. Date of Earliest Transaction

_X__ Director 10% Owner X_ Officer (give title Other (specify below)

(Month/Day/Year)

C/O RESPIRERX

(Street)

04/07/2016

Preident & CEO

PHARMACEUTICALS INC., 126 VALLEY ROAD, SUITE C

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

GLEN ROCK, NJ 07452

(City) (State) (Zip)

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

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) (Instr. 3)

Execution Date, if (Month/Day/Year)

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

5. Amount of Securities Beneficially Owned Following

7. Nature of Ownership Indirect Form: Beneficial Direct (D) Ownership or Indirect (Instr. 4)

Reported (I)Transaction(s) (Instr. 4)

(A) (D)

(Instr. 3 and 4)

Code V Amount Price

Common 04/07/2016 J(1)11,887,779 (1) 23,775,558 D Stock

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. 5. Number of Derivative TransactionSecurities Acquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4, and 5)			6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title Underly (Instr. 3
							Date Exercisable	Expiration Date	Title
Common Stock Warrants (right to buy)	<u>(2)</u>	04/07/2016		Code V <u>J(1)</u>	(A)	(D) 23,775,558	08/28/2015	09/30/2020	Comn
Common Stock Warrants (right to buy)	\$ 0.015	04/07/2016		J <u>(1)</u>	11,887,779		04/07/2016	09/30/2020	Comn
Common Stock Warrants (right to buy)	\$ 0.02						02/04/2016	02/04/2019	Comn
Common Stock Options (to purchase shares of Common Stock)	\$ 0.0227						(3)	03/31/2021	Comm
Common Stock Options (to purchase shares of Common Stock)	\$ 0.0197						<u>(4)</u>	08/18/2025	Comn
Common Stock Options (to purchase shares of Common Stock)	\$ 0.0197						<u>(4)</u>	08/18/2025	Comm

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

MANUSO JAMES S J C/O RESPIRERX PHARMACEUTICALS INC. 126 VALLEY ROAD, SUITE C GLEN ROCK, NJ 07452

X Preident & CEO

Signatures

/s/ James S. J. 04/11/2016

**Signature of Date
Reporting Person

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).
- On April 7, 2016, the reporting person exchanged, pursuant to an Exchange Agreement, (i) existing Warrants to acquire 23,775,558 shares of Company Common Stock and (ii) cash in the amount of \$178,317 for (i) new Warrants to purchase 11,887,779 shares of the Company's Common Stock and (ii) 11,887,779 shares of Common Stock. The original Warrants were not exercised, in whole or in part, but were exchanged pursuant to the terms of the Exchange Agreement.
- The reported securities were included within 11,887,779 units purchased by the reporting person for \$0.02103 per unit. Each unit

 (2) consisted of one share of Common Stock and one warrant to purchase two additional shares of Common Stock with an exercise price of \$0.02103 for each share of Common Stock to be issued upon exercise of the warrant.
- (3) These Common Stock Options vest in four equal installments: 25 percent on March 31, 2016 (the grant date), 25 percent on June 30, 2016, 25 percent on September 30, 2016, and 25 percent on December 31, 2016.
- (4) These Common Stock Options vest in three installments: 50 percent on August 18, 2015 (the grant date), 25 percent on February 18, 2016, and 25 percent on August 18, 2016.

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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