

[] Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. *See* Instruction 1(b).

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

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## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

Name and Address of Reporting Person *					2. Issuer Name <b>and</b> Ticker or Trading Symbol								5. Relationship of Reporting Person(s) to Issuer				
MANUSO JAMES S J					RespireRx Pharmaceuticals Inc. [ RSPI ]								(Check all applicable)				
					3. Date of Earliest Transaction (MM/DD/YYYY)							X Director 10% Owner					
(Last) (First) (Middle)					. D	ate of Lair	iest Transc	actio	II (MIV	1/00/111	1)	_X _ Officer (g	X Officer (give title below) Other (specify below)				
C/O RESPIRERX					4/7/2016							Preident & CEO					
PHARMACEUTICALS INC., 126																	
VALLEY R			c, 1 <b>2</b> 0														
		reet)		4	. If	Amendme	ent, Date C	rigir	nal Fi	led (MM/	DD/YYYY)	6. Individual	or Joint/G	roup Filing	(Check Appl	icable Line)	
CLEN DOCK NI 05 150																	
GLEN ROCK, NJ 07452													X_Form filed by One Reporting Person Form filed by More than One Reporting Person				
(1	City) (S	tate) (	Zip)														
			Table I	- Non-D	eriv	ative Sec	urities Ac	quir	ed, D	isposed	of, or Be	neficially Own	ed				
1.Title of Security				. Trans. Da	te 2/	A. Deemed	3. Trans. Co	_	4. Sec	urities Acc	uired (A)	5. Amount of Securi	ties Beneficia		6.	7. Nature	
(Instr. 3)						xecution ate, if any	(Instr. 8)		or Disposed of (D) (Instr. 3, 4 and 5)			Following Reported Transaction(s) Instr. 3 and 4)			Direct (D) O	of Indirect Beneficial	
				,,							,	, ,		Ownership (Instr. 4)			
							~ .			(A)					(I) (Instr.	(III3ti. 4)	
					+		Code	V	Amo	7770	-				4)		
Common Stock				4/7/2016			J (1)		1100	A	(1)	23	3775558		D		
				~	_												
					s Be				_			, options, conve			1	I	
Title of     Derivate Security	2. Conversion	<ol><li>Trans.</li><li>Date</li></ol>	3A. Deemed Execution	d 4. Trans. Code	Securities A		of Derivative 6. Date Exercisable and 7. Title a Securitie		nd Amount of Underlying				11. Nature of Indirect				
(Instr. 3)	or Exercise Price of Derivative Security		Date, if any				of (D)	r			e Security	Security (Instr. 5)	Securities Beneficially	Form of	Beneficial Ownership		
						(III3ti. 5, 4 a	114 3)				(msu. 5 a	110 4)	T '	Owned	Security:	(Instr. 4)	
								Date		Expiration	Title	Amount or Number of		Following Reported	Direct (D) or Indirect		
				Code	V	(A)	(D)	Exer	cisable	Date		Shares		Transaction(s) (Instr. 4)	(I) (Instr. 4)		
Common Stock Warrants (right	<u>(2)</u>	4/7/2016		J (1)			23775558	8/28/	/2015	9/30/2020		n 23775558	(1)	0	D		
to buy)		.,,,_,,									Stock						
Common Stock Warrants (right to buy)	\$0.015	4/7/2016		J (1)		11887779		4/7/	2016	9/30/2020	Commo Stock	n 11887779	<u>(1)</u>	11887779	D		
Common Stock Warrants (right to buy)	\$0.02							2/4/	2016	2/4/2019	Commo Stock	n 2630000		2630000	D		
Common Stock Options (to purchase shares of Common Stock)	\$0.0227								(3)	3/31/202	Commo Stock	n 26500000		26500000	D		
Common Stock Options (to purchase shares of Common Stock)	\$0.0197								<u>(4)</u>	8/18/2025	5 Commo Stock	n 5081300		5081300	D		
Common Stock Options (to purchase shares of Common Stock)	\$0.0197								<u>(4)</u>	8/18/2025	5 Commo Stock	n 80000000		80000000	D		

## **Explanation of Responses:**

- ( On April 7, 2016, the reporting person exchanged, pursuant to an Exchange Agreement, (i) existing Warrants to acquire 23,775,558 shares of Company
- 1) 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 consisted of one share of
- 2) 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.

- ( 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
- 3) September 30, 2016, and 25 percent on December 31, 2016.
- ( 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
- 4) August 18, 2016.

**Reporting Owners** 

Reporting Owner Name / Address	Relationships						
Reporting Owner Ivame / Address	Director	10% Owner	Officer	Other			
MANUSO JAMES S J C/O RESPIRERX PHARMACEUTICALS INC. 126 VALLEY ROAD, SUITE C	X		Preident & CEO				
GLEN ROCK, NJ 07452							

## **Signatures**

/s/ James S. J. Manuso

\*\*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.

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