

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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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* <u>Raykov Rosty</u> (Last) (First) (Middle) 68 TW ALEXANDER DRIVE, PO BOX 13628 (Street) DURHAM NC 27709 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 09/11/2017	3. Issuer Name and Ticker or Trading Symbol <u>FENNEC PHARMACEUTICALS INC. [FENC]</u> 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <p style="text-align: center;"><u>Chief Executive Officer</u></p>
		5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Shares	40,740	D	

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Stock Option (right to buy)	08/18/2010	08/18/2018	Common Shares	323,961	2.43 ⁽¹⁾	D
Stock Option (right to buy)	08/18/2011	08/18/2018	Common Shares	17,050	1.89 ⁽¹⁾	D
Stock Option (right to buy)	11/20/2012	11/20/2019	Common Shares	50,000	1.05	D
Stock Option (right to buy)	08/23/2013	08/20/2020	Common Shares	16,666	0.72	D
Stock Option (right to buy)	01/24/2014	01/24/2021	Common Shares	83,333	1.59	D
Stock Option (right to buy)	12/31/2014	12/31/2021	Common Shares	25,000	2.69	D
Stock Option (right to buy)	07/05/2016	07/05/2023	Common Shares	150,000	2.45	D
Stock Option (right to buy)	06/27/2017	06/27/2024	Common Shares	100,000	5.1	D

Explanation of Responses:

1. Item is in Canadian dollars.

/s/ Rosty Raykov

09/20/2017

** 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 5 (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.