

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF  
SECURITIES

OMB APPROVAL

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hours per response: 0.5Filed 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>Murray Mark J.</u>  (Last) (First) (Middle) <u>C/O TEKmira PHARMACEUTICALS</u> <u>CORP.</u> <u>SUITE 100, 8900 GLENLYON PARKWAY</u>  (Street) <u>BURNABY A1 V5J 5J8</u>  (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>01/01/2015</u>	3. Issuer Name and Ticker or Trading Symbol <u>TEKMIRA PHARMACEUTICALS Corp [ TKMR ]</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) <u>President &amp; CEO</u>	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)
<u>Common Shares</u>	<u>64,961</u>	<u>D</u>	

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	Title	Amount or Number of Shares			
<u>Employee Stock Option (Right to Buy)</u>	<u>08/31/2008</u>	<u>08/30/2018</u>	<u>Common Shares</u>	<u>30,000</u>	<u>4.65<sup>(1)</sup></u>	<u>D</u>	
<u>Employee Stock Option (Right to Buy)</u>	<u>12/09/2008</u>	<u>12/08/2018</u>	<u>Common Shares</u>	<u>25,000</u>	<u>1.8<sup>(1)</sup></u>	<u>D</u>	
<u>Employee Stock Option (Right to Buy)</u>	<u>01/28/2010</u>	<u>01/27/2020</u>	<u>Common Shares</u>	<u>25,000</u>	<u>3.85<sup>(1)</sup></u>	<u>D</u>	
<u>Employee Stock Option (Right to Buy)</u>	<u>08/10/2011</u>	<u>08/09/2021</u>	<u>Common Shares</u>	<u>35,000</u>	<u>2.4<sup>(1)</sup></u>	<u>D</u>	
<u>Employee Stock Option (Right to Buy)</u>	<u>12/23/2011</u>	<u>12/22/2021</u>	<u>Common Shares</u>	<u>35,000</u>	<u>1.7<sup>(1)</sup></u>	<u>D</u>	
<u>Employee Stock Option (Right to Buy)</u>	<u>12/10/2012</u>	<u>12/09/2022</u>	<u>Common Shares</u>	<u>35,000</u>	<u>5.15<sup>(1)</sup></u>	<u>D</u>	
<u>Employee Stock Option (Right to Buy)</u>	<u>02/05/2014</u>	<u>02/04/2024</u>	<u>Common Shares</u>	<u>35,000</u>	<u>16.4<sup>(1)</sup></u>	<u>D</u>	
<u>Employee Stock Option (Right to Buy)</u>	<u>03/30/2008</u>	<u>09/12/2015</u>	<u>Common Shares</u>	<u>219,428</u>	<u>0.4444<sup>(1)(2)</sup></u>	<u>D</u>	
<u>Employee Stock Option (Right to Buy)</u>	<u>03/30/2008</u>	<u>03/01/2018</u>	<u>Common Shares</u>	<u>27,007</u>	<u>0.4444<sup>(1)(2)</sup></u>	<u>D</u>	
<u>Warrants</u>	<u>06/16/2011</u>	<u>06/16/2016</u>	<u>Common Shares</u>	<u>5,000</u>	<u>3.35<sup>(1)</sup></u>	<u>D</u>	
<u>Warrants</u>	<u>02/29/2012</u>	<u>03/01/2017</u>	<u>Common Shares</u>	<u>5,000</u>	<u>2.6<sup>(1)</sup></u>	<u>D</u>	

## Explanation of Responses:

1. Expressed in Canadian dollars.

2. Represents stock options of Protivia Biotherapeutics Inc., a subsidiary of the Issuer. The options are exercisable for common shares of the Issuer.

## Remarks:

/s/ Mark J. Murray12/31/2014

\*\* 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.

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