

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

FORM 8-K

CURRENT REPORT

**Pursuant to Section 13 or 15(d) of
the Securities Exchange Act of 1934**

Date of Report (date of earliest event reported): February 20, 2015

XENON PHARMACEUTICALS INC.

(Exact name of registrant as specified in its charter)

Canada
(State or other jurisdiction of
incorporation or organization)

001-36687
(Commission File Number)

98-0661854
(I.R.S. Employer Identification No.)

**200-3650 Gilmore Way
Burnaby, British Columbia V5G 4W8
Canada**
(Address of principal executive offices including zip code)

(604) 484-3300
(Registrant's telephone number, including area code)

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01 Other Events.

On February 20, 2015, Xenon Pharmaceuticals Inc. (the “Company”) announced the meeting and record date and certain other information relating to its 2015 annual meeting of shareholders pursuant to a filing submitted to the System for Electronic Document Analysis and Retrieval (“SEDAR”) in Canada.

A copy of the filing submitted to SEDAR is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit Number Description

99.1 SEDAR filing submitted February 20, 2015.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: February 23, 2015

XENON PHARMACEUTICALS INC.

By: /s/ Ian Mortimer _____

Ian Mortimer
Chief Financial Officer

EXHIBIT INDEX

| Exhibit Number | Description |
|----------------|---|
| 99.1 | SEDAR filing submitted February 20, 2015. |



Joshua P. McGinn, CEP
Senior Vice President, Western Region Relationship Management

American Stock Transfer & Trust Company, LLC
One Embarcadero Center – Suite 566
San Francisco, CA 94111
Office: 415.835-1313

February 19, 2015

Alberta Securities Commission

British Columbia Securities Commission

Ontario Securities Commission

RE: Xenon Pharmaceuticals Inc.

Pursuant to a request from the above-mentioned reporting issuer, we wish to advise you of the following information in connection with its Annual Meeting of Shareholders:

| | |
|---|----------------|
| Date of meeting: | May 4, 2015 |
| Record date for notice: | March 17, 2015 |
| Record date for voting: | March 17, 2015 |
| Beneficial ownership determination date: | March 17, 2015 |
| Securities entitled to notice: | Common Shares |
| Securities entitled to vote: | Common Shares |
| Issuer mailing directly to non objecting beneficial owners: | No |
| Issuer will pay for objecting beneficial owner material distribution: | No |
| Issuer using notice-and-access for registered investors: | No |
| Issuer using notice-and-access for non-registered investors: | No |
| Notice-and-access stratification criteria: | N/A |

Yours very truly,

Joshua P. McGinn
Senior Vice-President, Western Region
Relationship Management