

N/A

(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:

- 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))
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Item 5.07**Submission of Matters to a Vote of Security Holders.**

On July 17, 2012, International Isotopes Inc. (the *Company*) held its 2012 Annual Meeting of Shareholders (the *Annual Meeting*) in Idaho Falls, Idaho. At the Annual Meeting, there were 279,602,574 shares represented to vote either in person or by proxy, or 77.63% of the outstanding shares of the Company, which represented a quorum. The final results of voting for each matter submitted to a vote of the shareholders at the Annual Meeting are as follows:

1.

Steve T. Laflin, Christopher Grosso and Ralph M. Richart were elected as directors of the Company, each to serve a one year term or until his respective successor has been duly elected and qualified. The voting for each director was as follows:

| Nominee | Votes For | Votes Withheld | Broker Non-Votes |
|--------------------|------------------|-----------------------|-------------------------|
| Steve T. Laflin | 180,914,825 | 1,071,716 | 97,616,033 |
| Christopher Grosso | 181,052,527 | 934,014 | 97,616,033 |
| Ralph M. Richart | 181,052,037 | 934,504 | 97,616,033 |

2.

Hansen, Barnett & Maxwell, P.C. was ratified as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2012, by the following vote:

| Votes For | Votes Against | Abstain | Broker Non-Votes |
|------------------|----------------------|----------------|-------------------------|
| 278,949,904 | 487,937 | 164,733 | 0 |

3.

An amendment to the Company's Restated Certificate of Formation to effect a reverse stock split of its outstanding common stock was approved by the following vote:

| Votes For | Votes Against | Abstain | Broker Non-Votes |
|------------------|----------------------|----------------|-------------------------|
| 235,022,298 | 44,410,151 | 170,125 | 0 |

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.

International Isotopes Inc.

Date: July 19, 2012

By:

/s/ Steve T. Laflin
Steve T. Laflin

President and Chief Executive Officer