

## Form 144 Filer Information

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

FORM 144

## Form 144

NOTICE OF PROPOSED SALE OF SECURITIES  
PURSUANT TO RULE 144 UNDER THE SECURITIES ACT OF 1933

## 144: Filer Information

Filer CIK

0002012446

Filer CCC

XXXXXXXX

Is this a LIVE or TEST Filing?

☒ LIVE ☐ TEST

## Submission Contact Information

Name

Phone

E-Mail Address

## 144: Issuer Information

Name of Issuer

ASP Isotopes Inc.

SEC File Number

001-41555

Address of Issuer

601 Pennsylvania Avenue NW  
South Building, Suite 900  
Washington  
DISTRICT OF COLUMBIA  
20004

Phone

2027562245

Name of Person for Whose Account the  
Securities are To Be Sold

Gorley Michael

See the definition of "person" in paragraph (a) of Rule 144. Information is to be given not only as to the person for whose account the securities are to be sold but also as to all other persons included in that definition. In addition, information shall be given as to sales by all persons whose sales are required by paragraph (e) of Rule 144 to be aggregated with sales for the account of the person filing this notice.

Relationship to Issuer

DIRECTOR

## 144: Securities Information

Title of the Class of Securities To Be Sold

Common Stock

Name and Address of the Broker

Independent Trading Group (ITG) Inc.  
33 Yonge Street  
Suite 420  
Toronto  
AK  
ON M5E 1G4Number of Shares or Other Units To Be  
Sold

64000

Aggregate Market Value

662400

Number of Shares or Other Units  
Outstanding

91913109

Approximate Date of Sale

09/30/2025

Name the Securities Exchange

NASDAQ

Furnish the following information with respect to the acquisition of the securities to be sold and with respect to the payment of all or any part of the purchase price or other consideration therefor:

## 144: Securities To Be Sold

|                                   |                                                    |  |
|-----------------------------------|----------------------------------------------------|--|
| Title of the Class                | Common Stock                                       |  |
| Date you Acquired                 | 10/23/2023                                         |  |
| Nature of Acquisition Transaction | Acquired as compensation -- Restricted Stock Award |  |
| Name of Person from Whom Acquired | Issuer                                             |  |
| Is this a Gift?                   | <input type="checkbox"/> Date Donor Acquired       |  |
| Amount of Securities Acquired     | 93458                                              |  |
| Date of Payment                   | 10/23/2023                                         |  |
| Nature of Payment                 | NA                                                 |  |

If the securities were purchased and full payment therefor was not made in cash at the time of purchase, explain in the table or in a note thereto the nature of the consideration given. If the consideration consisted of any note or other obligation, or if payment was made in installments describe the arrangement and state when the note or other obligation was discharged in full or the last installment paid.

Furnish the following information as to all securities of the issuer sold during the past 3 months by the person for whose account the securities are to be sold.

## 144: Securities Sold During The Past 3 Months

Nothing to Report ☒

## 144: Remarks and Signature

|                |                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks        | The sale of shares reported in this Form 144 includes an amount for the purpose of satisfying the Reporting Person's income tax liabilities resulting from the vesting of previously granted restricted stock awards pursuant to an issuer equity incentive plan. The Aggregate Market Value of the shares to be sold is based on the closing market price of \$10.35 on September 29, 2025. |
| Date of Notice | 09/30/2025                                                                                                                                                                                                                                                                                                                                                                                   |

### ATTENTION:

The person for whose account the securities to which this notice relates are to be sold hereby represents by signing this notice that he does not know any material adverse information in regard to the current and prospective operations of the Issuer of the securities to be sold which has not been publicly disclosed. If such person has adopted a written trading plan or given trading instructions to satisfy Rule 10b5-1 under the Exchange Act, by signing the form and indicating the date that the plan was adopted or the instruction given, that person makes such representation as of the plan adoption or instruction date.

|           |                                                            |
|-----------|------------------------------------------------------------|
| Signature | /s/ Donald Ainscow, as attorney-in-fact for Michael Gorley |
|-----------|------------------------------------------------------------|

**ATTENTION: Intentional misstatements or omission of facts constitute Federal Criminal Violations (See 18 U.S.C. 1001)**