

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	0001951275
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	202-756-2245
Name of Person for Whose Account the Securities are To Be Sold	Ainscow Robert

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	Officer
------------------------	--------------------------------------

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
A6
M5E 1G4
Number of Shares or Other Units To Be Sold	8438
Aggregate Market Value	69191.60
Number of Shares or Other Units Outstanding	91913109
Approximate Date of Sale	09/08/2025
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	09/06/2024	
Nature of Acquisition Transaction	Acquired as compensation -- Restricted Stock Award	
Name of Person from Whom Acquired	Issuer	
Is this a Gift?	☐ Date Donor Acquired	
Amount of Securities Acquired	300000	
Date of Payment	09/06/2024	
Nature of Payment	Equity Compensation	

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 amounts for the purpose of satisfying the Reporting Person's income tax liabilities resulting from the vesting in installments of 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 \$8.20 on September 5, 2025.
Date of Notice	09/08/2025
Date of Plan Adoption or Giving of Instruction, If Relying on Rule 10b5-1	06/09/2025

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/ Robert Ainscow
-----------	--------------------

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