

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL	
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Filed 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>Ainscow Robert</u> <hr/> (Last) (First) (Middle) <u>C/O ASP ISOTOPES INC.,</u> <u>433 PLAZA REAL, SUITE 275</u> <hr/> (Street) <u>BOCA RATON, FL 33432</u> <hr/> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 11/09/2022	3. Issuer Name and Ticker or Trading Symbol <u>ASP Isotopes Inc. [ASPI]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director _____ 10% Owner _____ Officer (give title below) <input checked="" type="checkbox"/> _____ Other (specify below) _____ <u>Chief Financial Officer</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 <input type="checkbox"/> 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)
Common Stock	250,000	D	

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				
Employee Stock Option (right to buy)	(1)	10/04/2031	Common Stock	150,000	0.25	D
Employee Stock Option (right to buy)	(2)	04/04/2032	Common Stock	12,000	2	D
Employee Stock Option (right to buy)	(3)	06/10/2032	Common Stock	135,000	2	D

Explanation of Responses:

- Subject to the Reporting Person's continued service to the Issuer, the option becomes exercisable in thirty six equal monthly installments. The option was granted on October, 4, 2021
- Subject to the Reporting Person's continued service to the Issuer, the option becomes exercisable in a single installment 12 months after the grant date. The option was granted on April 4, 2022.
- Subject to the Reporting Person's continued service to the Issuer, the option becomes exercisable in thirty six equal installments beginning on the last day of month after the option's grant date. The option was granted on June, 10, 2022.

/s/ Robert Ainscow 11/14/2022
 ** 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.