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

FORM 12b-25

OMB APPROVAL

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001-41555

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				NOTI	FICATI	ION OF LATE F	ILING	Ţ	00218A105	
(Check one):		Form 10-K Form 10-Q		Form 20-F Form 10-D		Form 11-K Form N-CEN		Form N-CSR		
	For	Period Ended: Se	ptemb	er 30, 2025						
		Transition Report Transition Report Transition Report Transition Report	ort on F ort on F	Form 20-F Form 11-K						
For the Transition Period Ended:										
N	Nothing in this form shall be construed to imply that the Commission has verified any information contained herein.									
If the notification	n relate	es to a portion of	the fili	ng checked abov	e, identi	fy the Item(s) to v	which th	ne notification relates:		
				PART I -	REGIS	TRANT INFOR	MATIO	ON		
ASP Isotopes Ir	ıc.									
Full Name of Re	gistrar	nt								
Former Name if	Applio	cable								
601 Pennsylvan	ia Ave	enue NW, South	Buildi	ng. Suite 900						
		xecutive Office (S		Ü,						
Washington, Do	C 2000)4								
City, State and Z										

PART II - RULES 12b-25(b) AND (c)

If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate)

(a) The reason described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense;

X

- (b) The subject annual report, semi-annual report, transition report on Form 10-K, Form 20-F, Form 11-K, Form N-CEN or Form N-CSR, or portion thereof, will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report or transition report on Form 10-Q or subject distribution report on Form 10-D, or portion thereof, will be filed on or before the fifth calendar day following the prescribed due date; and
- (c) The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable.

PART III - NARRATIVE

State below in reasonable detail the reasons why Forms 10-K, 20-F, 11-K, 10-Q, 10-D, N-CEN, N-CSR, or the transition report or portion thereof, could not be filed within the prescribed time period.

(Attach extra Sheets if Needed)

The Registrant could not complete the filing of its Quarterly Report on Form 10-Q for the quarter ended September 30, 2025 due to a delay in obtaining and compiling information required to be included in its Form 10-Q, which delay could not be eliminated by the Registrant without unreasonable effort and expense. In accordance with Rule 12b-25 promulgated under the Securities Exchange Act of 1934, the Registrant will file its Form 10-Q no later than the fifth calendar day following the prescribed due date.

PART IV - OTHER INFORMATION

	Heather Kiessling	(202)	756-2245
	(Name)	(Area Code)	(Telephone Number)
(2)		12 months or for such shorter period that the regist	nge Act of 1934 or Section 30 of the Investment rant was required to file such report(s) been filed? If
(3)	Is it anticipated that any significant change earnings statements to be included in the sub-		eriod for the last fiscal year will be reflected by the
	If so, attach an explanation of the anticipate estimate of the results cannot be made.	d change, both narratively and quantitatively, and	, if appropriate, state the reasons why a reasonable

ASP Isotopes Inc.
(Name of Registrant as Specified in Charter)

has caused this notification to be signed on its behalf by the undersigned hereunto duly authorized.

Date: November 14, 2025

By: /s/ Heather Kiessling
Heather Kiessling
Chief Financial Officer