

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934
(Amendment No.)*

ASP Isotopes Inc.
(Name of Issuer)

Common stock, par value \$0.01 per share
(Title of Class of Securities)

00218A105
(CUSIP Number)

October 31, 2023
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
 Rule 13d-1(c)
 Rule 13d-1(d)

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*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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1	NAME OF REPORTING PERSON AK Jensen Investment Management Limited	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) <input type="checkbox"/> (b) <input type="checkbox"/>
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION United Kingdom	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	5	SOLE VOTING POWER 6,516,874
	6	SHARED VOTING POWER 0
	7	SOLE DISPOSITIVE POWER 6,516,874
	8	SHARED DISPOSITIVE POWER 0
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 6,516,874	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	<input type="checkbox"/>
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 13.8%	

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Item 1(a). NAME OF ISSUER:

The name of the issuer is ASP Isotopes Inc., a Delaware corporation (the "Company").

Item 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

The Company's principal executive offices are located at 1101 Pennsylvania Avenue NW, Suite 300, Washington, DC 20004.

Item 2(a). NAME OF PERSON FILING:

This statement is filed by AK Jensen Investment Management Limited ("AK Jensen") with respect to the shares of Common Stock (as defined in Item 2(d) below) held by Tees River Critical Resources Fund Ltd. to which it serves as investment manager.

Anders K. Jensen, a citizen of Norway, and Duncan P. Saville, a citizen of Britain, may be deemed to indirectly control AK Jensen.

AK Jensen is sometimes referred to as the "Reporting Person."

The filing of this statement should not be construed as an admission that any of the foregoing persons or the Reporting Person is, for the purposes of Section 13 of the Act, the beneficial owner of the shares of Common Stock reported herein.

Item 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

The address of the business office of the Reporting Person is 1 Cornhill, London EC3V 3ND, UK.

Item 2(c). CITIZENSHIP:

AK Jensen is a limited company formed under the laws of the United Kingdom.

Item 2(d). TITLE OF CLASS OF SECURITIES:

Common Stock, par value \$0.01 (the "Common Stock").

Item 2(e). CUSIP NUMBER:

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Item 3. IF THIS STATEMENT IS FILED PURSUANT TO RULES 13d-1(b) OR 13d-2(b) OR (c), CHECK WHETHER THE PERSON FILING IS A:

- (a) Broker or dealer registered under Section 15 of the Act (15 U.S.C. 78o);
- (b) Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c);
- (c) Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c);
- (d) Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
- (e) Investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) Employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);

- (g) Parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h) Savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) Church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act (15 U.S.C. 80a-3);
- (j) Non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J);
- (k) Group, in accordance with Rule 13d-1(b)(1)(ii)(K).

If filing as a non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J), please specify the type of institution: AK Jensen is an investment manager, authorized and regulated by the Financial Conduct Authority in the United Kingdom which is comparable to the regulatory scheme applicable to the investment advisers covered by Item 3(e) above.

Item 4. OWNERSHIP

The information required by Items 4(a) – (c) is set forth in Rows (5) – (11) of the cover page of the Reporting Person hereto and is incorporated herein by reference.

The percentages set forth herein are calculated based upon 47,338,194 shares of Common Stock outstanding, which is the sum of (i) 37,385,684 shares of Common Stock outstanding as of August 11, 2023, as reported in the Company's Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2023, filed with the Securities and Exchange Commission on August 14, 2023 and (ii) 9,952,510 shares of Common Stock issued in the private placement disclosed by the Company in the Current Report on Form 8-K filed with the Securities and Exchange Commission on October 12, 2023.

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Item 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

If this statement is being filed to report the fact that as of the date hereof the Reporting Person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following:

Item 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

See Item 2.

Item 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY OR CONTROL PERSON.

Not applicable.

Item 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

Not applicable.

Item 9. NOTICE OF DISSOLUTION OF GROUP.

Not applicable.

Item 10. CERTIFICATION.

The Reporting Person hereby makes the following certification:

By signing below the Reporting Person certifies that, to the best of its knowledge and belief, (i) the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect and (ii) the foreign regulatory scheme applicable to AK Jensen is substantially comparable to the regulatory scheme applicable to the functionally equivalent U.S. institutions. The Reporting Person also undertakes to furnish to the Commission staff, upon request, information that would otherwise be disclosed in a Schedule 13D.

SIGNATURES

After reasonable inquiry and to the best of its knowledge and belief, the undersigned certifies that the information set forth in this statement is true, complete and correct.

DATE: November 10, 2023

**AK JENSEN INVESTMENT MANAGEMENT
LIMITED**

By: /s/ Magnus Benjamin Knudsen

Name: Magnus Benjamin Knudsen

Title: Head of Fund & Portfolio Analysis