

SEC FILE NUMBER

001-41224

CUSIP NUMBER

04845A 207

04845A 108

04845A 116

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

**FORM 12b-25**

**NOTIFICATION OF LATE FILING**

(Check One):  Form 10-K  Form 20-F  Form 11-K  Form 10-Q  
 Form 10-D  Form N-CEN  Form N-CSR

For Period Ended: June 30, 2023

- Transition Report on Form 10-K  
 Transition Report on Form 20-F  
 Transition Report on Form 11-K  
 Transition Report on Form 10-Q

For the Transition Period Ended:

**Nothing in this form shall be construed to imply that the Commission has verified any information contained herein.**

If the notification relates to a portion of the filing checked above, identify the Item(s) to which the notification relates:

**PART I – REGISTRANT INFORMATION**

**Atlantic Coastal Acquisition Corp. II**

Full Name of Registrant

N/A

Former Name if Applicable

6 St Johns Lane, Floor 5

Address of Principal Executive Office (Street and Number)

New York, New York 10013

City, State and Zip Code

**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 reasons described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense;
- (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 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.

Atlantic Coastal Acquisition Corp. II (the "Company") has determined that it is unable to file, without unreasonable effort and expense, its Quarterly Report on Form 10-Q for the quarter ended June 30, 2023, within the prescribed time period because it requires additional time to finalize its financial statements to be included in such Quarterly Report on Form 10-Q.

The Company anticipates that it will file its Quarterly Report on Form 10-Q for the quarter ended June 30, 2023, prior to the end of the 5-day extension period.

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**PART IV – OTHER INFORMATION**

(1) Name and telephone number of person to contact in regard to this notification

Jason Chryssicas

(Name)

(248)

(Area Code)

890-7200

(Telephone Number)

(2) Have all other periodic reports required under section 13 or 15(d) of the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months or for such shorter period that the registrant was required to file such report(s) been filed? If the answer is no, identify report(s).  Yes  No

(3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof?  Yes  No

If so, attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of the results cannot be made.

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**Atlantic Coastal Acquisition Corp. II**  
(Name of Registrant as Specified in Charter)

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

Date: August 14, 2023

By: /s/ Jason Chryssicas

Name: Jason Chryssicas

Title: Chief Financial Officer

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