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

**FORM 12b-25**

Commission File Number: **001-39555**

**NOTIFICATION OF LATE FILING**

☐ Form 10-K                      ☐ Form 20-F                      ☐ Form 11-K                      ☒ Form 10-Q  
☐ Form 10-D                      ☐ Form N-SAR                      ☐ Form N-CSR

For Period Ended: March 31, 2025

☐ Transition Report on Form 10-K                      ☐ Transition Report on Form 10-Q  
☐ Transition Report on Form 20-F                      ☐ Transition Report on Form N-SAR  
☐ Transition Report on Form 11-K

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**

Full name of registrant	Greenwich LifeSciences, Inc.
Former name if applicable	
Address of principal executive office	3992 Bluebonnet Dr, Building 14
City, state and zip code	Stafford, TX 77477

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**PART II  
RULE 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, 20-F, 11-K or Form N-SAR or Form N-CSR, or portion thereof will be filed on or before the 15<sup>th</sup> 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 Form 10-K, 11-K, 20-F, 10-Q, N-SAR, N-CSR, or the transition report portion thereof, could not be filed within the prescribed time period.

Greenwich LifeSciences, Inc. (the "Company") is unable to file its Quarterly Report on Form 10-QK for the three months ended March 31, 2025 (the "Quarterly Report") within the prescribed time period without unreasonable effort and expense. The Company currently expects to file the Quarterly Report by May 20, 2025, within the extension period of five calendar days permitted under Rule 12b-25 of the Securities Exchange Act of 1934, as amended.

**PART IV  
OTHER INFORMATION**

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

Snehal Patel	(832)	819-3232
(Name)	(Area Code)	(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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**Greenwich LifeSciences, Inc.**  
(Name of Registrant as Specified in Charter)

Has caused this notification to be signed on its behalf by the undersigned thereunto duly authorized.

Dated: May 15, 2025

By: /s/ Snehal Patel  
Title: Chief Executive Officer

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