

November 9, 2023

Daniel Jones  
Chief Executive Officer  
SeqLL, Inc.  
3 Federal Street  
Billerica, MA 01821

Re: SeqLL, Inc.  
Amendment No. 7 to  
Filed November 7,  
File No. 333-272908

Registration Statement on Form S-1  
2023

Dear Daniel Jones:

We have reviewed your amended registration statement and have the following comments.

Please respond to this letter by amending your registration statement and providing the requested information. If you do not believe a comment applies to your facts and circumstances or do not believe an amendment is appropriate, please tell us why in your response.

After reviewing any amendment to your registration statement and the information you provide in response to this letter, we may have additional comments. Unless we note otherwise, any references to prior comments are to comments in our November 6, 2023 letter.

Amendment No. 7 to Registration Statement on Form S-1

Risk Factors  
General Risks Affecting Our Business

We will be required to raise additional funds prior to the maturity date of the Merger Note to repay such Note and our other outstanding..., page 25

1. We note your response to comment one that the maturity date of the Merger Note is now April 30, 2024. Please update this risk factor to reflect that new maturity date.  
Capitalization, page 37

2. Please expand note (1) to clearly explain that the joint and several debt will not be released until the Merger Note is paid in full, and explain here, or provide a cross reference to a discussion on the company's plans for Merger Note repayment.

Daniel Jones  
SeqLL, Inc.  
November 9, 2023  
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Unaudited Pro Forma Condensed Combined Balance Sheets  
Note 3: Adjustments to Unaudited Pro Forma Condensed Combined Balance Sheet, page 68

3. We note your response to prior comment four, but are unable to locate an adjustment to Current Liabilities for the \$20,000,000 Merger Note. Please advise.

4. Please revise adjustment 2(d) to clearly explain the assumptions involved in adjusting notes payable pursuant to Item 11-02(a)(8) of Regulation S-X. Additionally, the note should clearly list the components of the adjustment, or the adjustments should be listed separately in the adjustment column on the pro forma balance sheet.

5. We note your response to prior comment three that Lyneer has only reflected the \$35

million of debt obligations it expects to be responsible for repayment; however, we note that the joint and several debt will not be released until the Merger Note is paid in full, and that you believe you do not have sufficient liquidity and capital resources to pay the Merger Note in full when due. Additionally, we note that Lyneer and IDC do not expect to cure events of default on the existing indebtedness prior to the November 17, 2023 forbearance extension. It therefore appears that the historical notes payable should not be adjusted, and that the total amount of Lyneer's historical notes payable should be classified as current in the pro forma balance sheet. Please revise or expand your disclosure to clearly explain how the consummation of transactions supporting the current presentation have occurred or are probable pursuant to Item 11-01(a) (8) of Regulation S-X. Please note that changes in presentation should also be made to the pro forma as adjusted column in the Capitalization table on page 37. Please contact Ta Tanisha Meadows at 202-551-3322 or Theresa Brilliant at 202-551-3307 if you have questions regarding comments on the financial statements and related matters. Please contact Nicholas Nalbantian at 202-551-7470 or Donald Field at 202-551-3680 with any other questions.

FirstName LastNameDaniel Jones

Corporation Finance  
Comapany NameSeqLL, Inc.

Services  
November 9, 2023 Page 2  
cc: Eric M. Hellige  
FirstName LastName

Sincerely,

Division of

Office of Trade &