

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

1. Name and Address of Reporting Person* <u>Dimitrov George</u>			2. Issuer Name and Ticker or Trading Symbol <u>LanzaTech Global, Inc. [LNZA]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director _____ 10% Owner _____ Officer (give title below) _____ Other (specify below) _____ Vice President, Finance		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>02/08/2023</u>			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person		
8045 LAMON AVENUE, SUITE 400			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street)	IL	60077						
(City)	(State)	(Zip)						

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Stock Options	\$1.52	02/08/2023		A		10,000		(1)	12/28/2025	Common Stock	43,746	(5)	10,000	D	
Stock Options	\$1.38	02/08/2023		A		10,000		(1)	09/20/2027	Common Stock	43,746	(5)	10,000	D	
Stock Options	\$1.64	02/08/2023		A		10,000		(2)	11/21/2028	Common Stock	43,746	(5)	10,000	D	
Stock Options	\$1.07	02/08/2023		A		10,000		(3)	06/26/2030	Common Stock	43,746	(5)	10,000	D	
Stock Options	\$3.15	02/08/2023		A		10,000		(4)	12/24/2031	Common Stock	43,746	(5)	10,000	D	
Stock Options	\$9.97	02/08/2023		A		10,000		(1)	01/27/2033	Common Stock	43,746	(5)	10,000	D	

Explanation of Responses:

- Options are fully vested and exercisable.
- 80% of the options are vested and exercisable, 20% vests on November 21, 2023.
- 60% of the options are vested and exercisable, 20% vests on each of January 1, 2024 and January 1, 2025.
- 25% of the options vested on December 24, 2022, 1/36th vest monthly thereafter.
- On February 8, 2023, AMCI Acquisition Corp. II ("AMCI") consummated a business combination (the "Business Combination") by and among AMCI, AMCI Merger Sub, Inc., a Delaware corporation ("AMCI Merger Sub") and LanzaTech NZ, Inc., a Delaware corporation ("Legacy LanzaTech"), AMCI changed its name to "LanzaTech Global, Inc." and AMCI Merger Sub merged with and into Legacy LanzaTech. As part of the Business Combination, each Legacy LanzaTech stock option was exchanged for a stock option to acquire 4.374677 shares of common stock of LanzaTech Global, Inc.

/s/ Joseph Blasko, as Attorney-in-Fact 02/10/2023

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.