

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>Burton Freya</u> (Last) (First) (Middle) 8045 LAMON AVENUE, SUITE 400 (Street) SKOKIE IL 60077 (City) (State) (Zip)	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 <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) Chief Sustainability Officer
	3. Date of Earliest Transaction (Month/Day/Year) 03/04/2024	
4. If Amendment, Date of Original Filed (Month/Day/Year)		
Rule 10b5-1(c) Transaction Indication <input checked="" type="checkbox"/> Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.		

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			
Common Stock	03/04/2024		M		37,268	A	\$1.6	37,268	I	by Spouse
Common Stock	03/04/2024		S ⁽¹⁾		37,268	D	\$3.15	0	I	by Spouse
Common Stock	03/05/2024		M		50,225	A	\$1.6	50,225	I	by Spouse
Common Stock	03/05/2024		S ⁽¹⁾		50,225	D	\$3.24	0	I	by Spouse
Common Stock	03/06/2024		M		10,000	A	\$0	43,346	D	
Common Stock	03/06/2024		F		3,500	D	\$3.24	39,846	D	
Common Stock	03/06/2024		M		10,000	A	\$0	10,000	I	by Spouse

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	Amount or Number of Shares				
Stock Options	\$1.6	03/04/2024		M		8,519 ⁽²⁾	(3)	07/14/2024	Common Stock	37,268 ⁽²⁾	\$0	11,481	I	By spouse	
Stock Options	\$1.6	03/05/2024		M		11,481 ⁽²⁾	(3)	07/14/2024	Common Stock	50,225 ⁽²⁾	\$0	0	I	By spouse	
Restricted Stock Units	(4)	03/06/2024		M		10,000	(5)	(5)	Common Stock	10,000	\$0	20,000	D		
Restricted Stock Units	(4)	03/06/2024		M		10,000	(5)	(5)	Common Stock	10,000	\$0	20,000	I	by Spouse	

Explanation of Responses:

- The shares were sold pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on November 13, 2023.
- 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.
- Options are fully vested.
- Restricted Stock Units (RSUs) convert into shares LanzaTech Global Inc. common stock, \$.0001 par value, on a one-for-one basis.
- On May 2, 2023, the Reporting Person was granted 30,000 RSUs, which vest in approximately three equal annual installments, with such first installment vesting on March 6, 2024.

Remarks:

/s/ Joseph Blasko, as Attorney-in-Fact 03/14/2024

** 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.

