

| OMB APPROVAL | |
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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

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|---|--|--|
| 1. Name and Address of Reporting Person* <u>Linthwaite Stephen Christopher</u> (Last) (First) (Middle) C/O FLUIDIGM CORPORATION 7000 SHORELINE COURT, SUITE 100 (Street) SOUTH SAN FRANCISCO CA 94080 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>FLUIDIGM CORP [FLDM]</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) President & CEO |
| | 3. Date of Earliest Transaction (Month/Day/Year) 09/20/2017 | |
| 4. If Amendment, Date of Original Filed (Month/Day/Year) | | |

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 |
| Employee Stock Option (Right to Buy) | \$9.05 | 09/20/2017 | | D | | 140,000 | | (1) | 08/09/2026 | Common Stock | 140,000 | (2) | 0 | D | |
| Employee Stock Option (Right to Buy) | \$5.13 | 09/20/2017 | | A | | 70,000 | | (3) | 09/20/2027 | Common Stock | 70,000 | (2) | 70,000 | D | |

Explanation of Responses:

- The Option provided for vesting of 12/48th of the total number of shares subject to the Option on August 1, 2017 and thirty-six equal monthly installments beginning on September 1, 2017.
- On September 20, 2017, the Issuer cancelled, pursuant to the Issuer's option exchange program, an Option for 140,000 shares of FLDM common stock granted to the Reporting Person on August 9, 2016. In exchange, the Reporting Person received a replacement Option, for 70,000 shares, having an exercise price of \$5.13 per share.
- 1/12th of the total number of shares underlying the Option will vest on February 20, 2018, and 1/12th of the total number of shares underlying the Option granted will vest every three months thereafter until fully vested, subject to the Reporting Person's continued status as a Service Provider as defined in the Company's 2011 Equity Incentive Plan through the applicable vest date.

Remarks:

/s/ Nicholas Khadder, Attorney-in-fact 09/22/2017

** 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.