

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

OMB APPROVAL

OMB Number: 3235-0287

Estimated average burden

hours per response: 0.5

1. Name and Address of Reporting Person* <u>Worthington Gajus Vincent</u>			2. Issuer Name and Ticker or Trading Symbol <u>FLUIDIGM CORP [FLDM]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) PRESIDENT & CEO		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>09/01/2015</u>					
<u>FLUIDIGM CORPORATION</u> <u>7000 SHORELINE COURT, SUITE 100</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)			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		
(Street) <u>SOUTH SAN FRANCISCO CA 94080</u>								
(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			
Common Stock								33,029	I	See Footnote ⁽¹⁾
Common Stock	09/01/2015		M		715	A	\$4.4461	7,530	D	
Common Stock	09/01/2015		M		5,285	A	\$4.0828	12,815	D	
Common Stock	09/01/2015		S ⁽²⁾		6,000 ⁽³⁾	D	\$11.826 ⁽³⁾	6,815	D	
Common Stock	09/02/2015		M		6,000	A	\$4.0828	12,815	D	
Common Stock	09/02/2015		S ⁽²⁾		6,000 ⁽⁴⁾	D	\$11.2346 ⁽⁴⁾	6,815	D	

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)	\$4.4461	09/01/2015		M		715		(5)	05/07/2017	Common Stock	715	\$0.00	0	D	
Employee Stock Option (Right to Buy)	\$4.0828	09/01/2015		M		5,285		(6)	11/17/2019	Common Stock	5,285	\$0.00	9,729	D	
Employee Stock Option (Right to Buy)	\$4.0828	09/02/2015		M		6,000		(6)	11/17/2019	Common Stock	6,000	\$0.00	3,729	D	

Explanation of Responses:

1. Shares held directly by the Worthington Family Trust dated March 6, 2007, a trust for the benefit of the Reporting Person and the Reporting Person's spouse, for which the Reporting Person and the Reporting Person's spouse serve as trustees.

2. The sales reported were effected pursuant to a Rule 10b5-1 trading plan adopted on August 29, 2014.

3. The "Amount" and "Price" reported in this Column 4 reflect the aggregate number and weighted-average price, respectively, of shares sold. These shares were sold in multiple transactions at prices ranging from \$11.56 to \$12.16, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the SEC staff, upon request, full information regarding the number of shares sold at each separate price within the range set forth herein.

4. The "Amount" and "Price" reported in this Column 4 reflect the aggregate number and weighted-average price, respectively, of shares sold. These shares were sold in multiple transactions at prices ranging from \$11.17 to \$11.28, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the SEC staff, upon request, full information regarding the number of shares sold at each separate price within the range set forth herein.

5. The shares subject to the Option fully vested on May 1, 2010.

6. The shares subject to the Option fully vested on November 17, 2013.

Remarks:

/s/ Valerie Barnett, attorney-in-
fact 09/03/2015

** 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.