

Walder Fredric T  
 Form 3  
 February 09, 2011

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

OMB Number: 3235-0104  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â Walder Fredric T		(Month/Day/Year)	FLUIDIGM CORP [FLDM]	
(Last)	(First)	(Middle)	02/09/2011	
FLUIDIGM CORPORATION,Â 7000 SHORELINE COURT SUITE 100			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)	(Check all applicable)			
	<input type="checkbox"/> Director	<input type="checkbox"/> 10% Owner	<input checked="" type="checkbox"/> Officer	<input type="checkbox"/> Other
	(give title below)		(specify below)	
	SOUTH SAN FRANCISCO,Â CAÂ 94080		Chief Business Officer	
(City)	(State)	(Zip)	6. Individual or Joint/Group Filing(Check Applicable Line)	
			<input checked="" type="checkbox"/> Form filed by One Reporting Person	
			<input type="checkbox"/> Form filed by More than One Reporting Person	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Stock Option (Right to Buy)	Â (1)	Â (1)	Common Stock	2,890 (2)	\$ 8.38	D	Â
Stock Option (Right to Buy)	Â (3)	Â (3)	Common Stock	115,606 (2)	\$ 4.45	D	Â
Stock Option (Right to Buy)	Â (4)	Â (4)	Common Stock	2,889 (2)	\$ 8.38	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Walder Fredric T FLUIDIGM CORPORATION 7000 SHORELINE COURT SUITE 100 SOUTH SAN FRANCISCO, CA 94080	Â	Â	Â Chief Business Officer	Â

## Signatures

/s/ Gajus V. Worthington,  
attorney-in-fact

02/09/2011

\*\*Signature of Reporting Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 5(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).

(1) 25% of the Shares subject to the Option shall vest on the one year anniversary of April 1, 2010 (the "Vesting Commencement Date"), and thereafter 1/48th of the Shares subject to the Option shall vest each monthly anniversary of the Vesting Commencement Date such that the Option will be fully vested on April 1, 2014; provided that vesting for a percentage of the Shares subject to the Option equal to the Company's percentage achievement of its 2010 corporate goals shall be accelerated to December 31, 2010. The percentage of the Option not accelerated vesting shall vest over 4 years as described above. Vesting is subject to reporting person continuing to be a service provider on such dates. The Option shall expire on January 4, 2021.

(2) Reflects a 1-for-1.73 reverse stock split of the Issuer's outstanding shares effected February 3, 2011.

(3) 25% of the shares subject to the Option shall vest on the one year anniversary of May 17, 2010 (the "Vesting Commencement Date"), and thereafter 1/48th of 25% the shares subject to the Option shall vest on each monthly anniversary of the Vesting Commencement Date such that the Option will be fully vested on May 16, 2014.

(4) 100% of the shares subject to the Option shall vest on April 1, 2014; provided that vesting for a percentage of the shares subject to the Option equal to the reporting person's percentage achievement of his 2010 departmental goals shall be accelerated to December 31, 2010. The shares, if any, not subject to such accelerated vesting shall vest on April 1, 2014. Vesting is subject to the reporting person continuing to be a service provider on such dates. The Option shall expire on January 4, 2021.

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### Remarks:

Exhibit List

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Exhibit 24 - Power of Attorney

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

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