AXCELIS TECHNOLOGIES INC

Form 4/A July 16, 2015

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

Check this box if no longer

subject to Section 16. Form 4 or

Form 5 obligations may continue.

See Instruction

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

OMB APPROVAL

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(Print or Type Responses)

1(b).

(Last)

(City)

1. Name and Address of Reporting Person * PUMA MARY G

(First) (Middle)

C/O AXCELIS TECHNOLOGIES. INC., 108 CHERRY HILL DRIVE

(Street)

(State)

2. Issuer Name and Ticker or Trading

Symbol

AXCELIS TECHNOLOGIES INC [ACLS]

3. Date of Earliest Transaction (Month/Day/Year)

07/15/2015

4. If Amendment, Date Original

Filed(Month/Day/Year)

07/16/2015

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

_X__ Director 10% Owner Other (specify X_ Officer (give title below)

Chairman, President and CEO

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

BEVERLY, MA 01915

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3)

(Zip)

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8)

(Instr. 3, 4 and 5) (A)

or

5. Amount of Securities Beneficially Owned Following Reported

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

6. Ownership Form: Direct (Instr. 4)

7. Nature of Indirect (D) or Indirect Beneficial Ownership (Instr. 4)

Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

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

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

1. Title of Derivative Conversion (Month/Day/Year) Execution Date, if

3. Transaction Date 3A. Deemed

5. Number of TransactionDerivative

6. Date Exercisable and **Expiration Date**

7. Title and Amount Underlying Securities

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		(D)	(Month/Day/Year)		(Instr. 3 and 4)		
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amous Numb Shares
Stock Option (right to buy)	\$ 3.01	07/15/2015		A <u>(1)</u>		300,000		07/15/2019(2)	07/15/2022	Common Stock	300,0

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

PUMA MARY G C/O AXCELIS TECHNOLOGIES, INC. 108 CHERRY HILL DRIVE BEVERLY, MA 01915

X Chairman, President and CEO

Signatures

Lynnette C. Fallon, as attorney in fact for Mary G.

Puma 07/16/2015

**Signature of Reporting Person Date

Explanation of Responses:

- * 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).
- (1) Granted pursuant to the Axcelis Technologies, Inc. 2012 Equity Incentive Plan.
 - These options will vest as to 25% of the shares on July 15, 2016, and as to 6.25% of the shares on each subsequent October 15, January
- (2) 15, April 15 and July 15, if the recipient remains in the service of the Company on such vesting date, until such option is fully vested on July 15, 2019.

Remarks:

Amended to correct vesting schedule on July 15, 2015 option grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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