

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

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FORM 8-K

CURRENT REPORT  
PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934

Date of report (Date of earliest event reported): September 9, 2010

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Tegal Corporation  
(Exact Name of Registrant as Specified in Charter)

Delaware  
(State or Other Jurisdiction  
of Incorporation)  
000-26824  
(Commission  
File Number)  
68-0370244  
(I.R.S. Employer  
Identification No.)

2201 South McDowell Boulevard  
Petaluma, CA 94954  
(Address of Principal Executive Offices)

(707) 763-5600  
(Registrant's telephone number, including area code)

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(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (*see* General Instruction A.2. below):

- Written communication pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**Item 3.01. Notice of Delisting or Failure to Satisfy a Continued Listing Rule or Standard; Transfer of Listing**

On September 9, 2010, Tegal Corporation (the “**Company**”) notified The NASDAQ Stock Market that, due to the resignation of Ferdinand Seemann from its Board of Directors (the “**Board**”), the Company no longer complies with NASDAQ’s independent directors requirement for continued listing as set forth in NASDAQ Listing Rule 5606(b)(1) and NASDAQ’s audit committee composition requirements for continued listing as set forth in NASDAQ Listing Rule 5605(c)(2)(A). The Company currently has four directors, only two of whom the Board has determined to be an “independent director” as such term is defined in NASDAQ Listing Rule 5605(a)(2).

In accordance with Rules 5605(b)(1)(A) and 5605(c)(4)(B) of the NASDAQ Listing Rules, the Company has until the earlier of its next annual stockholders’ meeting or September 9, 2011 to regain compliance with the independent directors and audit committee composition requirements of the NASDAQ Listing Rules, provided that if its next annual stockholders’ meeting is held on or before February 9, 2011, then the Company must regain compliance no later than February 9, 2011. The Company intends to evaluate candidates who are qualified to serve on the Board and the Audit Committee of the Board.

**Item 5.02. Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers**

On September 9, 2010, the Board accepted the resignation of Ferdinand Seemann as a member of the Board and as a member of all of the committees of the Board on which he served, effective as of September 9, 2010. Mr. Seemann’s resignation is not related to any disagreement with the Company’s operations, policies or practices.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: September 9, 2010

TEGAL CORPORATION

By:     \s\ Christine Hergenrother      
Name: Christine Hergenrother  
Title: Chief Financial Officer