

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

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): February 6, 2009

Tegal Corporation
(Exact name of Registrant as Specified in its 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)

(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))
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Item 5.02.

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

On February 6, 2009, the Board of Directors (the “**Board**”) of Tegal Corporation accepted the resignation of H. Duane Wadsworth as a member of the Board effective as of February 15, 2009.

The Board has appointed current director Carl Muscari to fill the following vacancies created by Mr. Wadsworth’s resignation: (1) Lead Independent Director of the Board, (2) member of the Audit Committee of the Board, and (3) Chair of the Nominating and Corporate Governance Committee of the Board.

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: February 11, 2009

TEGAL CORPORATION

By: _____

Name: Christine T. Hergenrother

Title: Vice President and Chief Financial Officer
