

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

**Amendment No. 1 to
Form 10-K/A**

(Mark One)

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

For the fiscal year ended March 31, 2011

OR

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

Commission file number: 0-26824

Tegal Corporation

(Exact name of Registrant as specified in its Charter)

Delaware

(State or Other Jurisdiction of Incorporation or Organization)

68-0370244

(I.R.S. Employer Identification No.)

140 2nd Street, Suite 318

Petaluma, California

(Address of Principal Executive Offices)

94952

(Zip Code)

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

Securities registered pursuant to Section 12(b) of the Act: None

**Securities Registered Pursuant to Section 12(g) of the Act:
Common Stock, \$0.01 Par Value**

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.
Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Exchange Act.
Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the Registrant was required to file reports) and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§229.405) is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a smaller reporting company. See definitions of "large accelerated filer", "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer (Do not check if a smaller reporting company)

Smaller reporting company

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act).
Yes No

The aggregate market value of the voting and non-voting common equity held by non-affiliates of the registrant, based on the closing sale price of the common stock on March 31, 2011 as reported on the NASDAQ Capital Market, was \$5,066,421. As of June 29, 2011, 1,688,807 shares of the registrant's common stock were outstanding.

DOCUMENTS INCORPORATED BY REFERENCE

See “Explanatory Note.”

Explanatory Note

This Amendment No. 1 on Form 10-K/A (the “Amendment”) amends the Annual Report on Form 10-K of Tegal Corporation for the fiscal year ended March 31, 2011 originally filed with the Securities and Exchange Commission (“SEC”) on June 29, 2011 (the “Original Filing”). We are filing this Amendment to amend Part III of the Original Filing to include the information required by and not included in Part III of the Original Filing because we no longer intend to file our definitive proxy statement within 120 days of the end of our fiscal year ended March 31, 2011. We are also including as exhibits the current certifications required under Section 302 of the Sarbanes-Oxley Act of 2002. All share amounts and price give effect to the 1-for-5 reverse stock split effected by us on June 15, 2011.

Except as described above, no other changes have been made to the Original Filing. The Original Filing continues to speak as of the date of the Original Filing, and we have not updated the disclosures contained therein to reflect any events which occurred at a date subsequent to the filing of the Original Filing other than as expressly indicated in this Amendment. Accordingly, this Amendment should be read in conjunction with the Original Filing and our other filings made with the SEC on or subsequent to June 29, 2011. In this Amendment, unless the context indicates otherwise, the terms “company,” “we,” “us,” and “our” refer to Tegal Corporation. Other defined terms used in this Amendment but not defined herein shall have the meaning specified for such terms in the Original Filing.

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PART III

Item 10. *Directors, Executive Officers and Corporate Governance*

DIRECTORS

The following table sets forth information regarding our directors as of July 13, 2011:

Name	Age	Director Since	Term Will Expire
Gilbert Bellini, Director	55	2011	2012
Jeffrey M. Krauss, Director	54	1992	2012
Thomas R. Mika, President, CEO and Chairman of the Board	60	2006	2012
Carl Muscari, Director	59	2007	2012

Gilbert A. Bellini originally joined the board of directors of Tegal in September 2008 as a representative for Alcatel Micro Machining. He resigned his board membership in December 2010 after the transfer of the Tegal shares from Alcatel Micro Machining Systems to Alcatel Participations, LLC. and the subsequent sale of Alcatel Vacuum Technologies France to Pfeiffer Vacuum Technology, AG. Mr. Bellini was reappointed to Tegal's board of directors as an independent director in January 2011. Mr. Bellini has held the position of Director of the Global Logistics of Adixen Vacuum Products since December 2010. During the time period from March 2006 to March 2010, he held the position of President of Alcatel Micro Machining Systems. Mr. Bellini holds a Bachelor of Science degree in Electronics from the University of Grenoble in France, and followed several internal International Business Education Trainings in Alcatel. We believe that Mr. Bellini's education and experience as an engineer and his management experience at companies in the semiconductor industry make Mr. Bellini a highly-valued member of the Board of Directors.

Jeffrey M. Krauss has served as a director of Tegal since June 1992. Since April 2000, Mr. Krauss has been a Managing Member of Psilos Group Managers, LLC, a New York based venture capital firm, and a Managing Member of the general partner of Psilos Group Partners I, LP, Psilos Group Partners II, LP, Psilos Group Partners II-S, LP and Psilos III, each a venture capital partnership. From 1990 until April 2000, Mr. Krauss was a general partner of the general partner of Nazem & Company III, L.P. and Nazem & Company IV, L.P., both venture capital funds. He was also a general partner of the general partner of The Transatlantic Fund, a joint venture capital fund between Nazem & Company and Banque Nationale de Paris of France. Prior to joining Nazem & Company, Mr. Krauss was a corporate attorney with the law firm of Simpson Thacher & Bartlett, where he specialized in leveraged buyout transactions. He currently serves as a director of several private companies. We believe that Mr. Krauss' public accounting experience, CPA certification, business management experience and his service as a director for several other companies make Mr. Krauss a highly-valued member of the Board of Directors.

Thomas R. Mika has served as a director of Tegal since 2006. Mr. Mika was appointed our President and Chief Executive Officer in March 2005 and appointed Chairman of the Board in October 2006. Mr. Mika also served on our Board of Directors of Tegal from 1992 to 2002, which included periods of service as the Chairman of the Compensation Committee and a member of the Audit Committee, until he was appointed as Executive Vice President and Chief Financial Officer in August 2002. Mr. Mika has more than 25 years of senior management, finance and consulting experience. Mr. Mika has played and continues to play a key role in company management, including managing the activities leading to our initial public offering in 1995. Prior to becoming our Executive Vice President and Chief Financial Officer, Mr. Mika founded IMTEC, a boutique investment firm active in the management of several companies. In addition to completing multiple private equity financings, joint ventures, acquisitions and license agreements on behalf of his clients, he held senior positions with Soupmasters International, Inc., where he served as President & CEO, and Disc International, Ltd., a software firm, where he served as Chief Executive. Mr. Mika was also a director of Metrologix, a semiconductor metrology company, from the time of its initial start-up until its sale to KLA-Tencor Corp. Prior to forming IMTEC, Mr. Mika was a managing consultant with Cresap, McCormick & Paget and a policy analyst for the National Science Foundation. He holds a Bachelor of Science degree in microbiology from the University of Illinois at Urbana-Champaign and a Master of Business Administration degree from the Harvard Graduate School of Business. We believe that Mr. Mika's earlier experience on the Board of Directors for Tegal, his consulting experience in several different industries, and his management experience as a CEO make Mr. Mika a highly-valued member of the Board of Directors.

Carl Muscari has served as a director of Tegal since November 2007. Mr. Muscari is currently the Chief Executive Officer of MSRC Co. ("MSRC"), a leading independent distributor of computer and electronics components based in

Brentwood, NH. During his four-year tenure at MSRC, Mr. Muscari has been credited with the turn-around and modernization of this privately-held company. From 1999 until 2003, Mr. Muscari served as Chairman and CEO of Video Network Communications, Inc. (“VNCI”), based in Portsmouth, NH. Prior to VNCI, Mr. Muscari was President of Acuity Imaging, Inc., a machine vision company, and President & CEO of Exos, Inc. a private company with force-feedback controls technology incorporated into home video, arcades and PCs, which was sold to Microsoft in 1996. He was Executive Vice President and Chief Operating Officer of Madison Cable Corp., a high volume manufacturer of electronic cable for the computer industry, and the Vice President and General Manager of the Seals Division of Ferrofluidics Corp., a major supplier to the semiconductor, disk drive and aerospace industries. Mr. Muscari began his career at Westinghouse Corporation, where he was a thermal-hydraulic engineer and a production manager for Sun Chemical Corporation. Mr. Muscari holds a BS Mechanical Engineering degree from Cornell University, an MS Engineering degree from the Massachusetts Institute of Technology and an MBA from the Harvard University Graduate School of Business. We believe that Mr. Muscari’s experience and education as an engineer, his experience in the electronics industry, and his management experience as a CEO make Mr. Muscari a highly-valued member of the Board of Directors.

All directors hold office until our next annual meeting of the stockholders and until their successors have been duly elected or qualified. There are no family relationships between any of our directors or executive officers.

EXECUTIVE OFFICERS

The following table sets forth information regarding our executive officers as of July 13, 2011:

Name	Age	Position
Thomas R. Mika	60	President and Chief Executive Officer
Christine T. Hergenrother	46	Vice President, Chief Financial Officer and Treasurer

For information on Mr. Mika’s background, see “Directors” above.

Christine Hergenrother was appointed our Vice President, Chief Financial Officer, Secretary and Treasurer in March 2005. Prior to that, Ms. Hergenrother served as our Director of Corporate Development since June 2004, with principal responsibility for Sarbanes-Oxley and general SEC compliance matters. Between September 2002 and March 2004, Ms. Hergenrother was the Corporate Controller of Amarin Pharmaceuticals, Inc. From February 1997 until September 2002, Ms. Hergenrother held positions of increasing responsibility within the finance department of Tegal. Prior to Tegal, she was a senior accountant at Mindscape Inc. and a staff auditor at the firm of Pisenti & Brinker, LLP. Ms. Hergenrother holds a Bachelor of Science degree in Business Management from Illinois State University. Ms. Hergenrother is a member of the American Institute of Certified Public Accountants and the California Society of CPA’s.

There are no family relationships between any of our directors or executive officers.

BOARD OF DIRECTORS AND COMMITTEES OF THE BOARD

Audit Committee

The Board of Directors has established a standing Audit Committee. The Audit Committee, consisting of Messrs. Muscari, Bellini and Krauss (Chairman) at the fiscal year end March 31, 2011, reviews the adequacy of internal controls and the results and scope of the audit and other services provided by our independent auditors. The Audit Committee meets periodically with management and the independent auditors.

Each member of our Audit Committee meets the enhanced independence standards established by the Sarbanes-Oxley Act of 2002 and related rulemaking of the Securities and Exchange Commission, or SEC. The Board of Directors has further determined that Mr. Krauss, Chairman of the Audit Committee, is an “audit committee financial expert,” as such term is defined in Item 407(d)(5)(ii) of Regulation S-K promulgated by the SEC, by virtue of his relevant experience listed in his biographical summary provided above.

Compensation Committee

The Compensation Committee consists of Messrs. Muscari (Chairman), Krauss and Bellini. The Compensation Committee held two meetings in fiscal 2011. The functions of the Compensation Committee include establishing salaries, incentives and other forms of compensation for our officers and other employees and administering our incentive compensation and benefit plans. The Board of Directors has adopted a compensation committee charter, a copy of which is posted on our website at www.tegal.com.

Compensation Committee Interlocks and Insider Participation

There are and were no interlocking relationships between the Board of Directors or the Compensation Committee and the board of directors or compensation committee of any other company, nor has any such interlocking relationship existed in the past.

Nominating/Corporate Governance Committee

The Nominating/Corporate Governance Committee is comprised of Messrs. Muscari (Chairman), Bellini and Krauss. The Nominating/Corporate Governance Committee held one meeting in fiscal year 2011, but met informally on several occasions to discuss particular candidates and matters related to corporate governance. The functions of the Nominating/Corporate Governance Committee are to identify qualified candidates for election to the Board of Directors and establish procedures for the director candidate nomination and evaluation. The Board of Directors has adopted a Nominating/Corporate Governance Committee charter, a copy of which is posted on our website at www.tegal.com.

The Nominating/Corporate Committee strives for a mix of skills and diverse perspectives that are essential for the Board of Directors. In selecting the nominees, the Nominating/Corporate Committee assesses the independence, business judgment, management, accounting and finance, industry and technology knowledge, understanding of manufacturing, leadership, strategic vision, knowledge of international markets and marketing. Further criteria include a candidate's personal and professional ethics, integrity and values, as well as the willingness to devote sufficient time to attend meetings and participate effectively on the Board of Directors. The Nominating/Corporate Governance Committee intends to evaluate candidates who are qualified to serve on the Board of Directors and the Audit Committee of the Board of Directors so as to comply with NASDAQ Listing Rules 5606(b)(1) and 5605(c)(2)(A) within the cure period provided by NASDAQ Listing Rules 5605(b)(1) and 5605(c)(4).

CODE OF BUSINESS CONDUCT AND ETHICS

Our Code of Business Conduct and Ethics is available to stockholders, upon written request, and is posted on our website at www.tegal.com. If you would like a copy of our Code, please send your request to: Christine Hergenrother, Secretary, Tegal Corporation, 140 2nd Street, Suite 318, Petaluma, California 94952.

SECTION 16(a) BENEFICIAL OWNERSHIP REPORTING COMPLIANCE

Section 16(a) of the Exchange Act requires our officers and directors, and persons who own more than ten percent of a registered class of our equity securities to file reports of ownership and changes in ownership (Forms 3, 4 and 5) with the SEC. Officers, directors and greater-than-ten-percent holders are required to furnish us with copies of all such forms which they file.

To our knowledge, based solely on our review of such reports or written representations from certain reporting persons, we believe that all of the filing requirements applicable to our officers, directors and greater than 10% beneficial owners subject to Section 16 of the Exchange Act were complied with during the fiscal year ended March 31, 2011.

Item 11. *Executive Compensation*

Compensation Discussion and Analysis

Overview of Compensation Programs and Philosophy

Our philosophy is to provide a total compensation package that is competitive with the prevailing practices for our industry and geographic locations. We believe that there should be a strong link between pay and performance, both at the company level and the individual level. Although we believe that exceptional individual performance should be rewarded, we believe that such rewards should not be made unless there has been strong company performance as well.

Components of Tegal's Compensation Program

There are four major elements that comprise Tegal's executive officer compensation program: (i) base salary; (ii) annual cash bonus, (iii) long-term incentives, such as stock options and restricted stock unit awards; and (iv) retirement benefits provided under a 401(k) plan and health benefits. Tegal has selected these elements because each is considered useful and/or necessary to meet one or more of the principal objectives of our compensation policy. For instance, base salary and bonus target percentages are set with the goal of attracting and retaining employees, adequately compensating them on a day-to-day basis for the time spent and the services they perform and rewarding them for achievement at specified levels of financial and individual performance. Our equity awards are intended to provide an incentive and reward for the achievement of long-term business objectives, including achievement of our financial goals and growth of our company. Tegal believes that these elements of compensation, when combined, are effective, and will continue to be effective, in achieving the objectives of our compensation programs.

Tegal's compensation program is intended to assure that our compensation and benefits policies attract, motivate and retain the key employees necessary to support our growth and success, both operationally and strategically. We intend to design and implement compensation and benefit programs for our officers and other executives in order to meet these guiding principles. To meet these objectives, Tegal has adopted the following overriding policies:

- Use total cash compensation (salary plus annual cash bonus) to recognize appropriately each individual officer's scope of responsibility, role in the organization, experience and contributions; and
- Reward performance by:
 - Providing short-term bonus compensation by establishing a bonus plan to reward corporate and individual achievement; and
 - Providing long-term incentives in the form of stock options and restricted stock unit awards in order to retain those individuals with the leadership abilities necessary for increasing long-term stockholder value while aligning the interests of our officers with those of our stockholders.

The above policies were established by the Compensation Committee (the Committee) of the Board of Directors in setting executive officer compensation, including the assessment of the appropriate allocation among salaries, short- and long-term incentives. Other considerations include Tegal's business objectives, competitive practices and trends and regulatory requirements.

Oversight of Executive Compensation

Tegal's executive compensation program is overseen and administered by the Committee, which is comprised entirely of independent directors as determined in accordance with various Nasdaq Stock Market, Securities and Exchange Commission and Internal Revenue Code rules.

The Committee meets regularly with Tegal's President and Chief Executive Officer, Mr. Mika, to obtain recommendations with respect to our compensation programs, practices and packages for executives, other employees and directors. Mr. Mika makes recommendations to the Committee on the base salary, bonus targets and equity compensation for the executive team and other employees. The Committee considers, but is not bound to and does not always accept, Mr. Mika's recommendations with respect to executive compensation. The Committee seriously considers proposals made by Mr. Mika, and executive compensation levels established for fiscal 2011 were generally based upon recommendations made by Mr. Mika.

Mr. Mika attends some of the Committee's meetings, but the Committee also regularly holds executive sessions not attended by any members of management or non-independent directors. The Committee discusses Mr. Mika's compensation package with him, but makes decisions with respect to Mr. Mika's compensation without him present. The Committee has the ultimate authority to make decisions with respect to the compensation of our named executive officers.

All grants of stock options to newly-hired employees and to existing employees are made by the Committee or the Board of Directors at regularly scheduled quarterly meetings. The Committee also has authorized Mr. Mika to make salary adjustments and bonus decisions for all employees other than executive officers.

The Committee reviews the compensation program on an as-needed basis. In setting compensation levels for a particular executive, the Committee takes into consideration the proposed compensation package as a whole and each element individually, as well as the executive's past and expected future contributions to our business.

In determining the particular elements of compensation that will be used to implement Tegal's overall compensation policies, the Committee reviews our financial performance, and the continued improvement expected in the coming fiscal year operating budgets, difficulties still facing us in achieving its operating budget, achievement of targeted revenue, gross profit and operating expense levels, as well as the competitive environment in which we operate.

Reliance on Compensation Consultants

The Committee has the authority to engage its own independent advisors to assist in carrying out its responsibility. In fiscal 2011, the Committee did not retain a compensation consultant.

Base Salary

The base salary for each named executive officer is generally established through negotiation at the time the executive is hired, taking into account the executive's qualifications, experience, prior salary and competitive salary information. Each year, the Compensation Committee determines whether to approve merit increases to our named executive officers' base salaries based upon their individual performance and the recommendations of Mr. Mika. As a result of such a review, salaries for our named executive officers during fiscal 2011 remained the same as fiscal 2010.

Bonus Plan

In order to motivate executives and managers in the attainment of our annual goals and to enhance our ability to attract and retain key managerial employees through a competitive compensation package, in past years we have adopted an annual discretionary performance bonus plan for certain executives and managers. Under this plan, each named executive officer or manager typically has an annual bonus incentive target expressed as a percentage of that executive's or manager's base salary. For fiscal 2010, no bonuses were paid. In fiscal 2011, for annual cash bonuses, the Committee took into consideration the achievement of specific strategic and operational goals, including the sale of the Company or its assets, the implementation of a plan of downsizing and reorganization, the achievement of cash break-even or better operating results, the avoidance of delisting, the avoidance of bankruptcy, the achievement of certain strategic partnerships, the improvement in the Company's stock price and the transition of the Company to a new business model that has the potential to reverse the Company's recent historic losses and to achieve long-term gains in the Company's stock price. For fiscal 2011, bonuses were paid to Mr. Mika in the amount of \$125,000 and Ms. Hergenrother in the amount of \$75,000.

Long-Term Incentive Compensation

Tegal provides long-term incentive compensation through awards of stock options and restricted stock units that generally vest over multiple years. Tegal's equity compensation program is intended to align the interests of our officers with those of our stockholders by creating an incentive for our officers to maximize stockholder value. The equity compensation program also is designed to encourage our officers to remain employed with Tegal in a very competitive labor market.

Equity-based incentives are granted to our officers under Tegal's stockholder-approved equity incentive plan. The Committee has in the past several years only granted equity awards to executive officers at its scheduled meetings. Grants approved during scheduled meetings become effective and are priced as of the date of approval, or a predetermined future date (for example, new hire grants are effective as of the later of the date of approval or the newly hired employee's start date), provided that if a public announcement of material information other than quarterly earnings is anticipated, the grant date may be deferred at the discretion of the Board of Directors or Committee until after release of such information. All grants of stock options or other equity awards to newly-hired employees are made by the Committee or the Board of Directors at regularly scheduled quarterly meetings. The exercise price of all options is at the closing price of our common stock on the grant date, as reported by the Nasdaq Stock Market.

The Committee believes that stock options and restricted stock unit awards can be effective tools for meeting Tegal's compensation goal of increasing long-term stockholder value by tying the value of the stock options and restricted stock awards to Tegal's performance in the future. The number of options and restricted stock units the Committee grants to each officer and the vesting schedule for each grant is determined based on a variety of factors, including the Committee's goal of increasing the proportion of long-term incentive compensation awarded to executive officers. No stock options or restricted stock units were awarded in fiscal 2010 to the named executive officers.

In fiscal 2011, for the award of stock options and restricted stock unit awards for management the Committee took into consideration the achievement of specific strategic and operational goals, including the sale of the Company or its assets, the implementation of a plan of downsizing and reorganization, the achievement of cash break-even or better operating results, the avoidance of delisting, the avoidance of bankruptcy, the achievement of certain strategic partnerships, the improvement in the Company's stock price and the transition of the Company to a new business model that has the potential to reverse the Company's recent historic losses and, in particular, achieving long-term gains in the Company's stock price. The number of options and restricted stock units the Committee grants to each officer and the vesting schedule for each grant is determined based on a variety of factors, including the Committee's goal of increasing the proportion of long-term incentive compensation awarded to executive officers. Restricted Stock Unit grants were made to Mr. Mika in the amount of 100,417 units and to Ms. Hergenrother in the amount of 43,036 units in fiscal 2011.

Other Benefits and Perquisites

Our named executive officers are eligible to participate in the Tegal Corporation Employee Savings and Retirement Plan (the "401(k) Plan"). Under the 401(k) Plan, all Tegal employees are eligible to participate and to receive matching contributions from Tegal that are subject to vesting over time.

Tegal also offers a number of other benefits to the named executive officers pursuant to benefit programs that it maintains for broad-based employee participation. These benefits programs include medical, dental and vision insurance, long-term and short-term disability insurance, life and accidental death and dismemberment insurance, health and dependent care flexible spending accounts, business travel insurance, educational assistance, employee assistance and certain other benefits.

Accounting and Tax Considerations

In designing its compensation programs, Tegal takes into consideration the accounting and tax effect that each element will or may have on Tegal and the executive officers and other employees as a group. Tegal recognizes a charge to earnings for accounting purposes when either stock options or restricted stock unit awards are granted. In addition, since restricted stock unit awards provide immediate value to employees once vested, while the value of stock options is dependent on future increases in the value of Tegal stock, Tegal may be able to realize the same retention value from a smaller number of shares of restricted stock units as compared to stock options.

In addition, Tegal has not provided any executive officer or director with a gross-up or other reimbursement for tax amounts the executive might pay pursuant to Section 280G or Section 409A of the Internal Revenue Code.

In determining which elements of compensation are to be paid, and how they are weighted, Tegal also takes into account whether a particular form of compensation will be considered "performance-based" compensation for purposes of Section 162(m) of the Internal Revenue Code. Under Section 162(m), Tegal generally receives a federal income tax deduction for compensation paid to certain executive officers only if the compensation is less than \$1 million during any fiscal year or is "performance-based" under Section 162(m). Our Committee currently intends to continue seeking a tax deduction for all of Tegal's executive compensation, to the extent we determine it is in the best interests of Tegal. All of the stock options granted to our executive officers qualify under Section 162(m) as performance-based compensation.

Compensation Committee Report

The information contained in this report shall not be deemed to be "soliciting material" or "filed" with the SEC or subject to the liabilities of Section 18 of the Exchange Act, except to the extent that Tegal specifically incorporates it by reference into a document filed under the Securities Act or the Exchange Act.

We, the Compensation Committee of the Board of Directors of Tegal Corporation, have reviewed and discussed the Compensation Discussion and Analysis contained in this Annual Report on Form 10-K/A with management. Based on such review and discussion, we have recommended to the Board of Directors that the Compensation Discussion and Analysis be included in Tegal's Annual Report on Form 10-K/A for the fiscal year ended March 31, 2011.

Submitted on July 25, 2011 by the members of the Compensation Committee of the Board of Directors.

THE COMPENSATION COMMITTEE

Carl Muscari, Chair

Jeffrey M. Krauss
Gilbert Bellini

EXECUTIVE COMPENSATION

The following table shows, for the fiscal year ended March 31, 2011, the cash compensation paid by us and our subsidiaries as well as certain other compensation paid or accrued for those years for services in all capacities to the persons serving as the Chief Executive Officer during fiscal year 2011 and 2010 and the other two most highly compensated executive officers whose total annual salary and bonus exceeded \$100,000 in fiscal year 2011 and 2010, which executives are referred to as the “named executive officers.”

SUMMARY COMPENSATION TABLE

Name and Principal Position	Year	Salary (\$)	Bonus (\$)	Stock Awards (\$) (1)	All Other Compensation (\$) (2)	Total (\$)
Thomas Mika Chairman, President & CEO	2011	284,589	125,000	250,584	1,494	661,667
	2010	271,393	--	--	1,081	272,474
Christine Hergenrother Vice President, CFO	2011	174,803	75,000	105,438	901	356,142
	2010	162,947	--	--	401	163,348

- (1) The amount is calculated by taking the full number of restricted stock units multiplied by the market price of the stock on the grant date.
- (2) All other compensation in fiscal year 2011 and 2010 includes for all individuals the value of the company match under the 401(k) Plan.

OUTSTANDING EQUITY OPTION AWARDS AT FISCAL YEAR END

The following table sets forth the outstanding stock options held by the named executive officers at March 31, 2011. No plan-based option awards were granted during the fiscal year ended March 31, 2011.

Name	Options Awards				Restricted Stock Awards			
	Number of Securities Underlying Unexercised Options (#) Exercisable	Number of Securities Underlying Unexercised Options (#) (1)	Option Exercise Price (\$)	Option Expiration Date (2)	Number of Securities Underlying Vested	Number of Securities Underlying Unvested	Market Price at Grant Date (\$)	RSU Expiration Date (6)
Thomas Mika	3,267	0	23.00	11/15/2016	7,700 (3)	62,300	2.45	11/05/2020
	20,730	2,592	21.00	12/18/2017	7,604 (4)	22,813	3.60	1/27/2021
	43,692	14,564	11.70	11/5/2018				
Christine Hergenrother	3,538	0	23.00	11/15/2016	4,733 (5)	38,303	2.45	11/05/2020
	3,353	479	21.00	12/18/2017				
	5,384	2,693	11.70	11/5/2018				

- (1) Options vest at a rate of 25% of the shares on the first anniversary of the date the option is granted, 25% of the shares on the second anniversary of the date the option is granted, and 2.083% of the shares on the last day of each month commencing with the 25th month, with full vesting on the last day of the 48th month following the date the option is granted.
- (2) The expiration date of each option occurs ten year after the date of grant of each option.

- (3) The Stock Award (consisting of restricted stock units) shall vest 7,000 units on November 5, 2010, 17,500 units vesting on November 5, 2011, November 5, 2012 and November 5, 2013, and 9,800 units vesting on November 5, 2014. The constructive receipt of the underlying common stock has been deferred until November 5, 2014.
- (4) The Stock Award (consisting of restricted stock units) shall vest 7,604 units on January 27, 2011, January 27, 2012 and January 27, 2013, and 7,605 units on January 27, 2014. The constructive receipt of the underlying common stock has been deferred until January 27, 2014.
- (5) The Stock Award (consisting of restricted stock units) shall vest 4,733 units on November 5, 2010, 10,759 units vesting on November 5, 2011, November 5, 2012 and November 5, 2013, and 7,460 units vesting on November 5, 2014. The constructive receipt of the underlying common stock has been deferred until November 5, 2014.
- (6) The expiration date of each restricted stock unit occurs ten year after the date of grant.

Employment and Change in Control Agreements

Tegal provides for certain severance benefits in the event that an executive's employment is involuntarily or constructively terminated. Such severance benefits are designed to alleviate the financial impact of an involuntary termination through salary (and, with respect to Mr. Mika and Ms. Hergenrother, bonus) with the intent of providing for a stable work environment. We believe that reasonable severance benefits for our executive officers are important because it may be difficult for our executive officers to find comparable employment within a short period of time following certain qualifying terminations. Tegal also believes these benefits are a means reinforcing and encouraging the continued attention and dedication of key executives of Tegal to their duties of employment without personal distraction or conflict of interest in circumstances which could arise from the occurrence of a change in control. We believe that the interests of stockholders will be best served if the interests of our senior management are aligned with them, and providing severance and change in control benefits should eliminate, or at least reduce, the reluctance of senior management to pursue potential change in control transactions that may be in the best interests of stockholders.

Tegal extends severance benefits because they are essential to help Tegal fulfill its objectives of attracting and retaining key managerial talent. These agreements are intended to be competitive within our industry and company size and to attract highly qualified individuals and encourage them to be retained by Tegal. While these arrangements form an integral part of the total compensation provided to these individuals and are considered by the Committee when determining executive officer compensation, the decision to offer these benefits did not influence the Committee's determinations concerning other direct compensation or benefit levels. The Committee has determined that such arrangements offer protection that is competitive within our industry and company size and to attract highly qualified individuals and encourage them to be retained by Tegal.

Employment Agreements with Thomas R. Mika and Christine T. Hergenrother. Tegal has entered into an at-will employment agreement with each of Mr. Mika and Ms. Hergenrother. The employment agreements had an initial term of two years and are subject to annual automatic one year extensions unless either party provides prior notice of its intention not to renew. The employment agreements provide for an annual target bonus equal to a specified percentage of annual base salary (50% for Mr. Mika and 30% for Ms. Hergenrother) payable upon achievement of targets and other objectives set by the Board of Directors and for annual long-term incentive awards with a fair market value on the date of grant equal to a specified percentage of annual base salary (100% for Mr. Mika and 30% for Ms. Hergenrother).

The employment agreement with Mr. Mika provides that in the event that Mr. Mika's employment is terminated by us other than for "cause," if he resigns for "good reason," dies or becomes disabled, or if we give notice of nonrenewal of the term, he will receive continued payments of base salary for a period of twenty-four months following the date of termination, plus an amount equal to two times the average annual incentive bonus paid to Mr. Mika for the three most recently completed fiscal years in which a cash bonus program covering Mr. Mika was in effect or a cash bonus was actually paid, payable in equal installments over a period of twenty-four months following the date of termination. In the event that within twelve months following a "change of control," he is terminated by us other than for "cause" or if he resigns for "good reason", the severance benefits will be payable in a lump sum and any long-term incentive awards outstanding shall become fully vested, and if applicable, exercisable.

The employment agreement with Ms. Hergenrother provides that in the event that her employment is terminated by us other than for “cause,” if she resigns for “good reason,” dies or becomes disabled, or if we give notice of nonrenewal of the term, she will receive continued payments of base salary for a period of twelve months following the date of termination, plus an amount equal to the average annual incentive bonus paid to Ms. Hergenrother for the three most recently completed fiscal years in which a cash bonus program covering Ms. Hergenrother was in effect or a cash bonus was actually paid, payable in equal installments over a period of twelve months following the date of termination. In the event that within twelve months following a “change of control,” she is terminated by us other than for “cause” or if he resigns for “good reason”, the severance benefits will be payable in a lump sum and any long-term incentive awards outstanding shall become fully vested, and if applicable, exercisable.

For purposes of the employment agreements, “cause” generally means an executive’s willful engagement in an act or omission which is in bad faith and to the detriment of Tegal, his or her engagement in misconduct, gross negligence, or willful malfeasance, in each case that causes material harm to Tegal, his or her breach of the employment agreement, his or her habitual neglect of or material failure to perform his or her duties (other than any failure resulting solely from physical or mental disability or incapacity) after a written demand for performance is delivered to him or her by Tegal, his or her conviction of a felony or any crime involving moral turpitude, his or her use of drugs or alcohol in a way that either interferes with the performance of his or her duties or compromises the integrity or reputation of Tegal, his or her engagement in any act of dishonestly involving Tegal, his or her disclosure of confidential information of Tegal not required by his job duties, his or her engagement of commercial bribery or the perpetration of fraud. An executive will have 45 days to cure any event which could lead to termination for cause, if such events are curable.

For purposes of the employment agreements, “good reason” generally means the assignment to an executive of principal duties or responsibilities, or the substantial reduction of his duties and responsibilities, either of which is inconsistent with his or her position, a material reduction in his or her annual base salary, except to the extent the salaries of other executives of Tegal are similarly reduced, a relocation of his or her principal place of business by more than 50 miles from either Petaluma or San Jose, California, or any material breach by Tegal of the employment agreement that is not cured within 45 calendar days following written notice of the breach to Tegal.

For purposes of the employment agreements, “change of control” generally means a sale of substantially all of the assets of Tegal, a merger of Tegal with or into another corporation in which the holders of at least 50% of Tegal’s outstanding voting power hold less than 50% of the outstanding voting power immediately after such merger, or during any period of two consecutive years, individuals who, at the beginning of such period, constitute the Board of Directors together with any new directors whose election by the Board or nomination for election by Tegal’s stockholders was approved by a vote of at least two-thirds of the directors then still in office who were either directors at the beginning of the two-year period or whose election or nomination for election was previously so approved, cease for any reason to constitute a majority thereof.

Executive Severance Plan. In addition, the Board of Directors has approved a severance program for executive officers which generally provides for severance in an amount equal to six month’s base salary in the event an executive officer’s employment is terminated by Tegal without cause, however, in the event that an executive officer is terminated by Tegal without cause within 12 months following a change of control, we will continue to pay such executive officer’s base salary for a period of 12 months.

For purposes of the executive severance program, the terms “cause” and “change of control” generally have the same meanings given to such terms in Mr. Mika’s employment agreement.

POTENTIAL PAYMENTS UPON TERMINATION

The following table summarizes potential change in control and severance payments to each named executive officer. The three right-hand columns describe the payments that would apply in three different potential scenarios — a termination of employment as a result of death, disability or our non-renewal of a written employment agreement; a termination of employment as a result of the named executive officer’s termination of employment by us other than for cause or resignation for good reason; or a termination of employment as a result of the named executive officer’s termination of employment by us other than for cause or resignation for good reason, in each case within 12 months following a change in control. The table assumes that the termination or change in control occurred on March 31, 2011.

	As of March 31, 2011		
Name	Death, Termination as a Result of Disability or Non-Renewal of Employment Agreement	Termination without Cause or Resignation for Good Reason Prior to a Change in Control or More than 12 Months Following a Change of Control	Termination without Cause or Resignation for Good Reason Within 12 Months Following a Change of Control
Thomas Mika			
Cash Severance	\$853,000 (1)	\$853,000 (1)	\$853,000 (2)
Option Award Acceleration (5)	--	--	--
RSU Acceleration (6)	--	--	\$301,251
Total	\$853,000	\$853,000	\$1,154,251
Christine Hergenrother			
Cash Severance	\$238,125 (3)	\$238,125 (3)	\$238,125 (4)
Option Award Acceleration (5)	--	--	--
RSU Acceleration (6)	--	--	\$129,108
Total	\$238,125	\$238,125	\$367,233

- (1) Amount represents 24 months of base salary plus two times the average annual incentive bonus paid to Mr. Mika for the previous three fiscal years in which a bonus plan was in place, payable in 24 equal monthly installments.
- (2) Amount represents 24 months of base salary plus two times the average annual incentive bonus paid to Mr. Mika for the previous three fiscal years in which a bonus plan was in place, payable in a lump sum.
- (3) Amount represents 12 months of base salary, plus one times the average annual incentive bonus paid to Ms. Hergenrother for the previous three fiscal years in which a bonus plan was in place, payable in 12 equal monthly installments.
- (4) Amount represents 12 months of base salary, plus one times the average annual incentive bonus paid to Ms. Hergenrother for the previous three fiscal years in which a bonus plan was in place, payable in a lump sum.
- (5) Amount represents the fair market value of our common stock on March 31, 2011 less the exercise price of the accelerated stock options, multiplied by the number of shares underlying the options subject to accelerated vesting.
- (6) Amount represent the fair market value of our common stock on March 31, 2011 multiplied by the number of shares the underlying RSUs subject to accelerated vesting.

Director Compensation

Our outside directors currently receive an annual \$15,000 retainer for service on the Board of Directors, meeting fees of \$1,500 per Board meeting and \$1,000 for the first six audit committee meetings and \$750 for the first six nominating and compensation committee meetings not held in conjunction with a full Board of Directors meeting. Furthermore, directors may be reimbursed for certain expenses in connection with attendance at Board of Directors and committee meetings. Additionally, each committee chair receives an annual chair retainer as follows: \$7,500 for the Audit Committee chair, \$5,000 for the Compensation Committee chair and \$4,000 for the Nominating/Corporate Governance Committee chair. In addition, non-employee directors receive 1,666 stock options upon initial election or appointment to the Board of Directors and each director automatically receives 833 stock options annually thereafter.

The following table shows director compensation during fiscal year 2011.

Name	Fiscal Year Ended March 31, 2011		
	Fees Earned or Paid in Cash (\$)	Options (1)(\$)	Total (\$)
Gilbert Bellini	--	1,621	--
Jeffrey M. Krauss	36,375	1,621	36,375
Carl Muscari	37,500	1,621	37,500
Ferdinand Seemann (2)	16,887		16,887

- (1) On March 24, 2011, the Board of Directors issued stock options to purchase 833 shares of Tegal common stock to each of Messrs. Bellini, Krauss, and Muscari which stock options vest monthly over a one-year period. The aggregate number of options outstanding at the end of fiscal year 2011 for each non-employee director was as follows: Mr. Bellini, 3,332 shares, Mr. Krauss, 11,765 shares; Mr. Muscari, 4,232 shares; and Mr. Seemann 2,499 shares.
- (2) On September 9, 2010, Mr. Seemann resigned from the Board of Directors

**SECURITIES AUTHORIZED FOR ISSUANCE UNDER
EQUITY COMPENSATION PLAN INFORMATION**

The following table sets forth information as of March 31, 2011 for all of our equity compensation plans, including our Eighth Amended and Restated 1998 Equity Participation Plan, our 2007 Incentive Award Plan, and our Fifth Amended and Restated Stock Option Plan for Outside Directors.

Plan Category	Number of Securities to be Issued upon Exercise of all Outstanding Options and RSUs	Weighted-Average Exercise Price of Outstanding Options and RSUs	Number of Securities Remaining Available for Future Issuance Under Equity Compensation Plans (Excluding Securities Reflected in Column(a))
	(a)	(b)	(c)
Equity compensation plans approved by security holders	294,300	\$18.29	219,894 (1)
Equity compensation plans not approved by security holders	—	—	—
Total	294,300	\$18.29	219,894 (1)

(1) Excludes 3,705 shares remaining available for future issuance under our Employee Qualified Stock Purchase Plan.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

The following table sets forth information with respect to the beneficial ownership of shares of our common stock by our directors, the individuals named in the Summary Compensation Table, all directors and executive officers as a group and beneficial owners of more than 5% of our common stock as of July 13, 2011. For purposes of this proxy, beneficial ownership of securities is defined in accordance with the rules of the SEC and means generally the power to vote or dispose of securities, regardless of any economic interest therein. An asterisk denotes beneficial ownership of less than 1%. The address of each director and officer is c/o Tegal Corporation, 140 2nd Street, Suite 318, Petaluma, California 94952.

Name of Beneficial Owner	Position	Shares Beneficially Owned (#) (1)	Percent Of Class (%) (1)
Thomas R. Mika (2)	President & CEO	79,450	4.70
Christine Hergenrother (2)	Vice President & CFO	19,377	1.15
Jeffrey M. Krauss (2)	Director	13,508	*
Gilbert Bellini (2)	Director	2,915	*
Carl Muscari(2)	Director	3,815	*
Directors and Named Executive Officers as a group (5 individuals)		119,066	7.05%
Alcatel Vacuum Technology France (3)	Investor	208,877	12.37

- (1) Applicable percentage of ownership is based on 1,688,807 shares of common stock outstanding as of July 13, 2011. The number of shares of common stock beneficially owned and calculation of percent ownership of each person or group of persons named above, in each case, takes into account those shares underlying stock options that are currently exercisable within 60 days of July 30, 2011, but which may or may not be subject to our repurchase rights, and shares of common stock that such person or group of person has the right to acquire within 60 days of July 30, 2011 pursuant to the vesting or distribution of restricted stock units.
- (2) Includes options to purchase shares of common stock that are exercisable within 60 days of July 30, 2011 and shares underlying RSUs that may be acquired within 60 days of July 30, 2011.
- (3) Based on the records of our transfer agent. Includes 208,877 of common stock with sole voting power. The address of the principal business is 12 Rue De La Baume 75008, Paris, France.

Item 13. Certain Relationships and Related Transactions, and Director Independence

On September 2, 2008, we, AMMS and Alcatel Lucent (“Alcatel” and together with AMMS, the “Sellers”), entered into an Asset Purchase Agreement pursuant to which we agreed to purchase certain equipment, intellectual property and other assets of the Sellers for an aggregate consideration of \$5,000,000. This transaction was closed on September 16, 2008. The Purchase Price was in the form of \$1,000,000 in cash and \$4,000,000 in shares of our common stock, par value \$0.01 per share (the “Common Stock”), or 208,877 shares. Pursuant to the Purchase Agreement, we agreed to appoint Gilbert Bellini to our board of directors. AMMS’ board designation right terminated when AMMS beneficially owned less than 5% of the number of shares of Common Stock issued and outstanding (including the shares to be issued to the Sellers).

During the fiscal year ended March 31, 2011, we paid Alcatel Vacuum Technology France and its affiliates \$550,147 for the purchase of services and inventory.

Item 14. Principal Accountant Fees and Services**Audit Fees**

The aggregate fees billed for professional services rendered by Burr, Pilger & Mayer LLP for the audit of our annual financial statements for the fiscal year ended March 31, 2011, the reviews of the financial statements included in our quarterly reports on Form 10-Q for the fiscal year ended March 31, 2011, and services that are normally provided by the Burr, Pilger & Mayer LLP in connection with statutory and regulatory filings and engagements for that fiscal year were approximately \$253,000.

The aggregate fees billed for professional services rendered by Burr, Pilger & Mayer LLP for the audit of our annual financial statements for the fiscal year ended March 31, 2010, the reviews of the financial statements included in our quarterly reports on Form 10-Q for the fiscal year ended March 31, 2010, and services that are normally provided by the Burr, Pilger & Mayer LLP in connection with statutory and regulatory filings and engagements for that fiscal year were approximately \$327,000.

Audit-Related Fees

The aggregate fees billed by Burr, Pilger & Mayer LLP for assurance and related services that were reasonably related to the performance of the audit or review of our 401(k) plan and are not reported above under "Audit Fees" were \$12,000 and \$12,000 for the fiscal years ended March 31, 2010 and 2011, respectively.

Tax Fees

The aggregate fees billed by Burr, Pilger & Mayer, LLP for professional services rendered for tax compliance, tax advice, and tax planning will be approximately \$45,000 for the fiscal year ended March 31, 2011 and were approximately \$45,000 for the fiscal year ended March 31, 2010.

The aggregate fees billed by Dal Pogetto for professional services rendered for tax compliance were approximately \$7,500 for fiscal year ended March 31, 2011 and \$7,500 for the fiscal year ended March 31, 2010.

Audit Committee Pre-Approval Policies

The Audit Committee has adopted a policy that requires the Audit Committee to approve all audit and permissible non-audit services to be provided by the independent auditors. The Audit Committee has established a general pre-approval policy for certain audit and non-audit services, up to a specified amount for each identified service that may be provided by the independent auditors. The Chairman of the Audit Committee may specifically approve any service within the pre-approved audit and non-audit service category if the fees for such service exceed the maximum set forth in the policy, as long as the excess fees are not reasonably expected to exceed \$50,000. Any such approval by the Chairman must be reported to the Audit Committee at its next scheduled meeting. The general pre-approval fee levels for all services to be provided by the independent auditors are reviewed annually by the Audit Committee. The annual tax return services provided by Burr, Pilger & Mayer were 18% of the total audit fees for the fiscal year ended March 31, 2011 and 16% of the total audit fees for the fiscal year ended March 31, 2010. 100% of the "audit related fees" were approved by the Audit Committee.

AUDIT COMMITTEE REPORT

Notwithstanding anything to the contrary set forth in any of our filings under the Securities Act of 1933 or the Securities Exchange Act of 1934, the following Audit Committee Report shall not be incorporated by reference into any such filings and shall not otherwise be deemed to be filed under such Acts.

The Audit Committee of our Board of Directors is comprised of independent directors as required by the listing standards of the Nasdaq National Market. The Audit Committee operates pursuant to a written charter adopted by our Board of Directors, a copy of which has been filed with the SEC.

The role of the Audit Committee is to oversee our financial reporting process on behalf of the Board of Directors. Our management has the primary responsibility for our financial statements as well as our financial reporting process, principles and internal controls. The Independent Registered Public Accounting Firm is responsible for performing an audit of our financial statements and expressing an opinion as to the conformity of such financial statements with generally accepted accounting principles.

In this context, the Audit Committee has reviewed and discussed our audited financial statements as of and for the year ended March 31, 2011 with management and the Independent Registered Public Accounting Firm. The Audit Committee has discussed with the Independent Registered Public Accounting Firm the matters required to be discussed by Statement on Auditing Standards No. 61 (Communication with Audit Committees), as currently in effect. In addition, the Audit Committee has received the written disclosures and the letter from the Independent Registered Public Accounting Firm required by Independence Standards Board Standard No. 1 (Independence Discussions with Audit Committees), as currently in effect, and it has discussed with the Independent Registered Public Accounting Firm their independence from us. The Audit Committee has also considered whether the Independent Registered Public Accounting Firm's provision of information technology services and other non-audit services to us is compatible with maintaining the Independent Registered Public Accounting Firm's independence.

Based on the reports and discussions described above, the Audit Committee recommended to the Board of Directors that the audited financial statements be included in our Annual Report on Form 10-K for the year ended March 31, 2011, for filing with the Securities and Exchange Commission.

Submitted on June 29, 2011 by the members of the Audit Committee of the Board of Directors.

Jeffrey M. Krauss
Carl Muscari
Gilbert Bellini

Item 15. Exhibits and Financial Statement Schedules

Documents filed as part of this Amendment:

Exhibit Number	Description of Exhibit
31.1	Certification pursuant to Rule 13a-14(a) of the Securities and Exchange Act of 1934 for principal executive officer
31.2	Certification pursuant to Rule 13a-14(a) of the Securities and Exchange Act of 1934 for principal financial officer

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

TEGAL CORPORATION

By: /s/ THOMAS R. MIKA
Thomas R. Mika
*President, Chief Executive Officer
and Chairman of the Board*

**CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Thomas R. Mika, certify that:

1. I have reviewed this annual report on Form 10-K/A of Tegal Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent function):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal controls over financial reporting.

Date: July 26, 2011

/s/ Thomas R. Mika
Chief Executive Officer and President

**CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Christine Hergenrother, certify that:

1. I have reviewed this annual report on Form 10-K/A of Tegal Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent function):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal controls over financial reporting.

Date: July 26, 2011

/s/ Christine Hergenrother
Chief Financial Officer