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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 20549**

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**FORM 10-Q**  
**QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF  
THE SECURITIES EXCHANGE ACT OF 1934**

**For the quarterly period ended May 28, 2010**

**Commission File Number 1-10655**

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**ENVIRONMENTAL TECTONICS CORPORATION**

Pennsylvania

(State or other jurisdiction of incorporation or organization)

23-1714256

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

County Line Industrial Park  
Southampton, Pennsylvania 18966  
(Address of principal executive offices, Zip Code)

Registrant's telephone number, including area code (215) 355-9100

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 such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate website, 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 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  Smaller reporting company   
(Do not check if a smaller reporting company)

Indicate by check mark whether the registrant is a shell company (as defined on Rule 12b-2 of the Exchange Act).

Yes  No

As of July 9, 2010, there were 9,086,999 shares of the registrant's common stock issued and outstanding.

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When used in this Quarterly Report on Form 10-Q, except where the context otherwise requires, the terms “we”, “us”, “our”, “ETC” and the “Company” refer to Environmental Tectonics Corporation and its subsidiaries.

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**PART I — FINANCIAL INFORMATION**

**Item 1. Financial Statements (unaudited)**

**Environmental Tectonics Corporation**  
**Condensed Consolidated Income Statements**  
 (unaudited)  
 (in thousands, except share and per share information)

	Thirteen week periods ended	
	May 28, 2010	May 29, 2009
Net sales	\$ 12,121	\$ 9,581
Cost of goods sold	6,991	5,154
Gross profit	5,130	4,427
Operating expenses:		
Selling and marketing	1,102	1,254
General and administrative	1,463	1,602
Research and development	324	228
	2,889	3,084
Operating income	2,241	1,343
Other expenses:		
Interest expense	228	516
Other, net	72	55
	300	571
Income before income taxes	1,941	772
Provision for income taxes	—	—
Income before noncontrolling interest	1,941	772
Income attributable to noncontrolling interest	5	2
Net income	1,936	770
Preferred stock dividend	(577)	(235)
Income applicable to common shareholders	\$ 1,359	\$ 535
Per share information:		
Earnings per common share:		
Basic	\$ 0.15	\$ 0.06
Diluted	\$ 0.09	\$ 0.06
Weighted average common shares:		
Basic	9,085,000	9,054,000
Diluted	20,967,000	9,054,000

The accompanying notes are an integral part of the condensed consolidated financial statements.

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**Environmental Tectonics Corporation**  
**Condensed Consolidated Balance Sheets**  
(in thousands, except share information)

	May 28, 2010 (unaudited)	February 26, 2010
<b>ASSETS</b>		
Cash and cash equivalents	\$ 874	\$ 2,408
Restricted cash	5,476	2,751
Accounts receivable, net	4,087	17,356
Costs and estimated earnings in excess of billings on uncompleted long-term contracts	3,666	3,576
Inventories, net	4,788	5,114
Deferred tax assets, current	5,391	4,983
Prepaid expenses and other current assets	1,602	545
Total current assets	<u>25,884</u>	<u>36,733</u>
Property, plant and equipment, at cost, net	13,606	13,643
Construction in progress	440	316
Software development costs, net	837	691
Other assets	291	346
Total assets	<u>\$ 41,058</u>	<u>\$ 51,729</u>
<b>LIABILITIES</b>		
Current portion of long-term debt	\$ 213	\$ 285
Accounts payable — trade	1,710	1,783
Billings in excess of costs and estimated earnings on uncompleted long-term contracts	8,105	13,944
Customer deposits	1,683	1,799
Accrued interest and dividends	833	782
Other accrued liabilities	2,400	2,814
Total current liabilities	<u>14,944</u>	<u>21,407</u>
Long-term obligations, less current portion:		
Credit facility payable to bank	4,508	9,808
Other long-term debt	—	12
	<u>4,508</u>	<u>9,820</u>
Deferred tax liabilities	3,298	3,066
Unearned interest	19	22
Total liabilities	<u>22,769</u>	<u>34,315</u>
Commitments and contingencies	—	—
<b>STOCKHOLDERS' EQUITY</b>		
Cumulative convertible participating preferred stock, Series D, \$.05 par value, 11,000 shares authorized; 155 shares outstanding	155	155
Cumulative convertible participating preferred stock, Series E, \$.05 par value, 25,000 shares authorized; 22,741 and 23,741 shares outstanding at May 28, 2010 and February 26, 2010, respectively	22,741	23,741
Common stock, \$.05 par value, 20,000,000 shares authorized; 9,086,999 and 9,083,573 shares issued and outstanding at May 28, 2010 and February 26, 2010, respectively	454	454
Additional paid-in capital	13,508	14,050
Accumulated other comprehensive income (loss)	45	(431)
Accumulated deficit	(18,657)	(20,593)
Total stockholders' equity before noncontrolling interest	<u>18,246</u>	<u>17,376</u>
Noncontrolling interest	43	38
Total stockholders' equity	<u>18,289</u>	<u>17,414</u>
Total liabilities and stockholders' equity	<u>\$ 41,058</u>	<u>\$ 51,729</u>

The accompanying notes are an integral part of the condensed consolidated financial statements.

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**Environmental Tectonics Corporation  
 Condensed Consolidated Statements of Cash Flows**

**(unaudited)  
 (in thousands)**

	Thirteen week periods ended	
	May 28, 2010	May 29, 2009
<b>Cash flows from operating activities:</b>		
Net income	\$ 1,936	\$ 770
Adjustments to reconcile net income to net cash provided by (used in) operating activities:		
Depreciation and amortization	346	567
Decrease in valuation allowance for deferred tax assets	(867)	—
Accretion of debt discount	55	95
Increase in allowances for accounts receivable and inventories, net	110	316
Income attributable to noncontrolling interest	5	2
Stock compensation expense	24	—
Changes in operating assets and liabilities:		
Accounts receivable	13,259	(791)
Costs and estimated earnings in excess of billings on uncompleted long-term contracts	(90)	(319)
Inventories	226	(432)
Prepaid expenses and other assets	(1,057)	214
Deferred tax assets, net	691	—
Accounts payable	(73)	320
Billings in excess of costs and estimated earnings on uncompleted long-term contracts	(5,839)	(1,337)
Customer deposits	(116)	(966)
Accrued interest and dividends	51	329
Other accrued liabilities	(417)	76
<b>Net cash provided by (used in) operating activities</b>	<b>8,244</b>	<b>(1,156)</b>
<b>Cash flows from investing activities:</b>		
Acquisition of equipment	(359)	(289)
Capitalized software development costs	(220)	(104)
<b>Net cash used in investing activities</b>	<b>(579)</b>	<b>(393)</b>
<b>Cash flows from financing activities:</b>		
(Repayment) borrowings under line of credit	(5,300)	1,400
(Repurchase) issuance of preferred stock	(1,000)	55
Issuance of common stock	10	1
Payment of preferred stock dividends	(576)	—
Payments of other debt obligations	(84)	(2)
Increase in restricted cash for performance guarantee	(2,725)	(7)
<b>Net cash (used in) provided by financing activities</b>	<b>(9,675)</b>	<b>1,447</b>
Effect of exchange rate changes on cash	476	(131)
Net decrease in cash	(1,534)	(233)
Cash at beginning of period	2,408	520
<b>Cash at end of period</b>	<b>\$ 874</b>	<b>\$ 287</b>
<b>Supplemental schedule of cash flow information:</b>		
Interest paid	\$ 96	\$ 103
Income taxes paid	182	—
<b>Supplemental information on non-cash operating and investing activities:</b>		
Accrued dividends on preferred stock	\$ 577	\$ 235

The accompanying notes are an integral part of the condensed consolidated financial statements.

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**Environmental Tectonics Corporation**  
**Notes to the Condensed Consolidated Financial Statements**

**1. Nature of Business:**

Environmental Tectonics Corporation (“ETC” or the “Company”) is principally engaged in the design, manufacture and sale of software driven products and services used to simulate and measure certain environmental conditions and to monitor the physiological effects of motion on humans in certain environmental conditions. These products and services include aircrew training systems (aeromedical, tactical combat and general), disaster management systems, entertainment products, sterilizers (steam and gas), environmental testing products, and hyperbaric chambers and other products that involve similar manufacturing techniques and engineering technologies. ETC focuses on software enhancements, product extensions, new product development and new marketplace applications. Presently, sales of the Company’s products are made principally to U.S. and foreign government agencies. We operate in two primary business segments, the Training Services Group (“TSG”) and the Control Systems Group (“CSG”).

**Training Services Group.** This segment includes three primary product groups: aircrew training devices and related services, disaster management training and systems, and entertainment products.

**Control Systems Group.** This segment includes three primary product lines: sterilizers, environmental control systems, and hyperbaric chambers, along with parts and service support.

The Company’s fiscal year is the 52-or 53-week annual accounting period ending the last Friday in February. Certain amounts from prior consolidated financial statements have been reclassified to conform to the presentation in fiscal 2011.

**2. Summary of Significant Accounting Policies**

*Basis of Presentation*

The accompanying interim condensed consolidated financial statements include the accounts of ETC, ETC’s wholly-owned subsidiaries (i.e., Entertainment Technology Corporation, ETC International Corporation and ETC-Delaware), ETC’s 99%-owned subsidiary located in London, England (i.e., ETC Europe), and ETC’s 95%-owned subsidiary located in Warsaw, Poland (i.e., ETC-PZL Aerospace Industries, Ltd. (“ETC-PZL”)). “ETC Southampton” refers to the Company’s corporate headquarters and main production plant located in Southampton, Pennsylvania, USA. All significant inter-company accounts and transactions have been eliminated in consolidation.

The accompanying condensed consolidated financial statements have been prepared by ETC, without audit, pursuant to the rules and regulations of the Securities and Exchange Commission (“SEC”), and reflect all adjustments which, in the opinion of management, are necessary for a fair presentation of the results for the interim periods presented. All such adjustments are of a normal recurring nature.

Certain information in footnote disclosures normally included in financial statements prepared in conformity with accounting principles generally accepted in the United States of America has been condensed or omitted pursuant to such rules and regulations and the financial results for the periods presented may not be indicative of the full year’s results, although the Company believes the disclosures are adequate to make the information presented not misleading. These financial statements should be read in conjunction with the financial statements and the notes thereto included in the Company’s Annual Report on Form 10-K for the fiscal year ended February 26, 2010.

References to fiscal first quarter 2011 are references to the 13-week period ended May 28, 2010. References to fiscal first quarter 2010 are references to the 13-week period ended May 29, 2009.

*Significant Accounting Policies*

There have been no material changes in the Company’s significant accounting policies during fiscal 2011 as compared to what was previously disclosed in the Company’s Annual Report on Form 10-K for the fiscal year ended February 26, 2010.

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**Environmental Tectonics Corporation  
 Notes to the Condensed Consolidated Financial Statements, continued**

**3. Earnings Per Common Share:**

Basic earnings per share is computed on the basis of the weighted average number of common shares outstanding. Diluted earnings per share is computed on the basis of the weighted average number of common shares outstanding plus the effect of outstanding stock options and common stock warrants using the "treasury stock" method plus the effect of all convertible financial instruments, including subordinated debt and preferred stock, as if they had been converted at the beginning of each period presented. If the effect of the conversion of any financial instruments would be anti-dilutive, it is excluded from the diluted earnings per share calculation.

On May 28, 2010, there was \$22,896,000 of cumulative convertible participating preferred stock. This consisted of the following:

- \$55,000 of Series D Preferred Stock convertible at \$0.94 per share, equating to 58,511 shares of common stock, issued in April 2009;
- \$100,000 of Series D Preferred Stock convertible at \$1.11 per share, equating to 90,090 shares of common stock, issued in July 2009;
- \$22,741,000 of Series E Preferred Stock convertible at \$2.00 per share, equating to 11,370,500 shares of common stock, issued in July 2009.

On February 20, 2009, in connection with the issuance of a \$2,000,000 promissory note, the Company issued warrants to purchase 143,885 shares of the Company's common stock at \$1.39 per share. Additionally, on July 2, 2009, in consideration of an increase of the personal guarantee by H.F. Lenfest of the Company's PNC line of credit, the Company issued warrants to purchase 450,450 shares of the Company's common stock at \$1.11 per share. (See Note 6, Long-Term Obligations and Credit Arrangements.)

On May 28, 2010 and May 29, 2009, respectively, there were options to purchase the Company's common stock totaling 269,185 and 157,652 shares at an average price of \$4.53 and \$5.90 per share. Due to the conversion price of these common stock options, these shares were excluded from the calculation of diluted earnings per share since the effect of their conversion would be antidilutive.

	Thirteen week period ended May 28, 2010			Thirteen week period ended May 29, 2009		
	Income (amounts in thousands)	Weighted average shares	Per share amount	Income (amounts in thousands)	Weighted average shares	Per share amount
Net income	\$ 1,936			\$ 770		
Less preferred stock dividends	(577)			(235)		

**Basic earnings per share:**

Basic earnings available to common shareholders	<u>\$ 1,359</u>	9,085,000	<u>\$ 0.15</u>	<u>\$ 535</u>	<u>9,054,000</u>	<u>\$ 0.06</u>
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**Effect of dilutive securities:**

Preferred stock		11,519,000				
Stock options and warrants		<u>363,000</u>				

**Diluted earnings per share:**

Basic earnings available to common shareholders	\$ 1,359					
Add: Preferred stock dividend	<u>577</u>					
Income available to common shareholders plus effect of dilutive securities	<u>\$ 1,936</u>	20,967,000	<u>\$ 0.09</u>			

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**Environmental Tectonics Corporation**  
**Notes to the Condensed Consolidated Financial Statements, continued**

**4. Inventories**

Inventories are valued at the lower of cost or market using the first in, first out (FIFO) method and consist of the following:

	May 28, 2010 (unaudited)	February 26, 2010
	(in thousands)	
Raw materials	\$ —	\$ —
Work in process	4,499	4,764
Finished goods	289	350
Total	<u>\$ 4,788</u>	<u>\$ 5,114</u>

Inventory is presented net of an allowance for obsolescence of \$2,445,000 (Raw material \$124,000, Work in process \$1,620,000 and Finished goods \$701,000) and \$2,345,000 (Raw material \$138,000, Work in process \$1,506,000 and Finished goods \$701,000) at May 28, 2010 and February 26, 2010, respectively.

**5. Accounts Receivable:**

The components of accounts receivable are as follows:

	May 28, 2010 (unaudited)	February 26, 2010
	(in thousands)	
U.S. government	\$ 1,010	\$ 438
U.S. commercial	779	1,403
International	2,724	15,930
	4,513	17,771
Less: allowance for doubtful accounts	(426)	(415)
	<u>\$ 4,087</u>	<u>\$ 17,356</u>

**6. Long-Term Obligations and Credit Arrangements:**

**Lenfest Financing Transaction**

On April 24, 2009, the Company entered into a transaction (the “Lenfest Financing Transaction”), which was approved by shareholders on July 2, 2009, with H.F. Lenfest (“Lenfest”), a major shareholder and member of our Board of Directors, that provided for the following: (i) a \$7,500,000 credit facility provided by Lenfest to ETC, which expires on December 31, 2012; (ii) exchange of the \$10 million Subordinated Note held by Lenfest, together with all accrued interest and warrants issuable under the Subordinated Note, and all Series B Preferred Stock and Series C Preferred Stock held by Lenfest, together with all accrued dividends thereon, for a new class of preferred stock, Series E Preferred Stock, of the Company; and (iii) the guarantee by Lenfest of all of ETC’s obligations to PNC Bank, National Association (“PNC Bank”) in connection with an increase of the Company’s existing \$15,000,000 revolving line of credit with PNC Bank (the “2007 PNC Credit Facility”) to \$20,000,000, and in connection with this guarantee, the pledge by Lenfest to PNC Bank of \$10,000,000 in marketable securities.

**Lenfest Credit Facility**

As part of the Lenfest Financing Transaction, the Company established a credit facility in the maximum amount of \$7,500,000 with Lenfest (the “Lenfest Credit Facility”) to be used to finance certain government projects that ETC has been awarded or is seeking to be awarded. The terms of the Lenfest Credit Facility are set forth in a Secured Credit Facility and Warrant Purchase Agreement between the Company and Lenfest, dated as of April 24, 2009 (the “Lenfest Credit Agreement”). In connection with the Lenfest Credit Agreement, the Company has executed, and will in the future execute, promissory notes in favor of Lenfest, in the aggregate principal amount of up to \$7,500,000 (the “Lenfest Credit Facility Note”) based on the amount borrowed by the Company pursuant to the Lenfest Credit Agreement. Each Lenfest Credit Facility Note issued under the Lenfest Credit Facility will accrue interest at the rate of 10% per annum, payable in cash or, at the option of Lenfest, in shares of Series D Preferred Stock of the Company, as described below. The Lenfest Credit Facility expires on December 31, 2012. As of May 28, 2010, the Company had not utilized any of the \$7.5 million available funding under this facility.

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### **Environmental Tectonics Corporation Notes to the Consolidated Financial Statements, continued**

#### **Bank Credit and Facility**

##### **Increased PNC Bank Credit Facility and Issuance of New Guarantee**

On April 24, 2009, PNC Bank agreed to increase the amount of financing available under the 2007 PNC Credit Facility from \$15,000,000 to \$20,000,000, subject to the condition that Lenfest continue to personally guarantee all of ETC's obligations to PNC Bank (the "Lenfest Guaranty") and that Lenfest pledge \$10,000,000 in marketable securities as collateral security for his guarantee (the "Lenfest Pledge").

Following the receipt of shareholder approval for the Lenfest Financing Transaction, ETC and PNC Bank entered into the Amended and Restated Credit Agreement (the "Amended and Restated PNC Credit Agreement") and the Second Amended and Restated Reimbursement Agreement for Letters of Credit (the "Amended and Restated Reimbursement Agreement"). The 2007 promissory note was cancelled and replaced with the Amended and Restated Promissory Note in the principal amount of \$20,000,000 (the "Amended and Restated PNC Note").

In connection with the execution of the amended and restated agreements and note with PNC, ETC paid to Lenfest an origination fee of 100 shares of Series D Convertible Preferred Stock of the Company (the "Series D Preferred Stock"), which is equal to one percent (1%) of the market value of the \$10,000,000 in marketable securities pledged by Lenfest to PNC Bank to secure ETC's obligations to PNC Bank. The 100 shares of Series D Preferred Stock have a stated value of \$1,000 per share, or \$100,000 in the aggregate. These shares of Series D Preferred Stock have a conversion price per share equal to \$1.11, which price equaled the average closing price of ETC common stock during the 120 days prior to the issuance of such shares. Additionally, ETC will pay Lenfest annual interest equal to 2% of the amount of the Lenfest Pledge, payable in Series D Preferred Stock.

In consideration of Lenfest entering into the amended and restated guaranty, ETC issued to Lenfest warrants equal in value to ten percent (10%) of the amount of the \$5,000,000 increase under the 2007 PNC Bank Credit Facility. The warrants are exercisable for seven years following issuance to purchase 450,450 shares of ETC Common Stock at an exercise price per share equal to \$1.11, which price equaled the average closing price of ETC common stock during the 120 days prior to the issuance of the warrant. The Company recorded a loan origination deferred charge associated with these warrants of \$487,000 using the Black-Scholes options-pricing model with the following weighted average assumptions: expected volatility of 91.9%; risk-free interest rate of 0.49%; and an expected life of seven years.

Amounts borrowed under the Amended and Restated PNC Credit Agreement can be borrowed, repaid and reborrowed from time to time until June 30, 2011. Borrowings made pursuant to the Amended and Restated PNC Credit Agreement bear interest at either the prime rate (as described in the promissory note executed pursuant to the Amended and Restated PNC Credit Agreement) plus 0.50 percentage points or the London Interbank Offered Rate ("LIBOR") (as described in the Promissory Note) plus 2.50 percentage points. Additionally, ETC is obligated to pay a fee of 0.125% per year for unused but available funds under the line of credit.

##### **Amendment to the Credit Agreement**

On October 1, 2009, the Amended and Restated PNC Credit Agreement was amended to extend the maturity date to June 30, 2011. Additionally, the affirmative covenants were adjusted. The Consolidated Tangible Net Worth covenant was modified to reflect the impact on the Company's balance sheet of the Lenfest Financing Transaction. Effective with each fiscal quarter ending after October 1, 2009, the Company must maintain a minimum Consolidated Tangible Net Worth of at least \$10,000,000. The EBITDA covenant was changed for fiscal periods beginning after December 1, 2009. Beginning with the first fiscal quarter ending after December 1, 2009, and for each fiscal quarter ending thereafter, the Company must maintain a minimum cumulative aggregate EBITDA of \$4,000,000 for the fiscal quarter then ending and the three preceding fiscal quarters. The Company is in full compliance of its covenants as of May 28, 2010.

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**Environmental Tectonics Corporation  
 Notes to the Consolidated Financial Statements, continued**

As of May 28, 2010, the Company’s availability under the Amended and Restated PNC Credit Agreement was approximately \$14,165,000. This reflected cash borrowings of \$4,300,000 and outstanding letters of credit of approximately \$1,535,000.

Due to the Company’s accumulated deficit, all dividends accruing for the Series D and E Preferred Stock issuances have been recorded in the accompanying financial statements as a reduction in additional paid-in capital.

**Dedicated Line of Credit Agreement with PNC Bank**

On November 16, 2009, the Company and PNC Bank entered into a Letter Agreement, Reimbursement Agreement, Pledge Agreement, and Amendment to Subordination Agreement (collectively, the “Dedicated Line of Credit Agreement”), pursuant to which the Company received a committed line of credit in the amount of \$5,422,405 (the “Line of Credit”) which the Company used to satisfy performance bond and repayment guarantee requirements in a newly awarded contract. Use of this dedicated line of credit is restricted to funding contract performance and repayment guarantee requirements under this specific contract.

As security for the Line of Credit, ETC and H.F. Lenfest were each required to provide PNC Bank with the equivalent of \$2,711,000 in the form of cash or other financial instruments. To meet this requirement, ETC has deposited cash in this amount in a restricted bank account with PNC Bank. H.F. Lenfest had guaranteed the Company’s obligations under the Dedicated Line of Credit Agreement, and had pledged to PNC Bank \$2,711,000 in certificated securities. Under the terms of the line, ETC was required by August 19, 2010, to place additional cash funds of \$2,711,000 with PNC Bank, at which time the Lenfest guarantee would be terminated and the Lenfest securities would be returned to Lenfest.

During the first quarter of fiscal 2011, the Company fulfilled its requirement to fund the balance of the security to collateralize the committed line of credit by depositing approximately \$2,711,000 in a certificate of deposit with PNC. Subsequently, Mr. Lenfest’s securities were returned and his guarantee to cover the \$5.4 million line was terminated.

**ETC-PZL Project Financing**

In September 2009, ETC-PZL, located in Warsaw, Poland, entered into a project financing agreement with a Warsaw bank to fund a research and development contract with the Polish government. The amount of this facility is \$604,000 and it is being repaid in quarterly installments of approximately \$70,000 which commenced in September 2009. This facility will expire in September 2011. Use of this line of credit is restricted to funding contract requirements under a specific research and development contract with the Polish government.

Long-term obligations at May 28, 2010 and February 26, 2010 consist of the following:

	<b>May 28, 2010</b>	<b>February 26, 2010</b>
	(amounts in thousands)	
Note payable to bank	\$ 4,300	\$ 9,600
ETC-PZL project financing	416	486
Automobile loan	5	7
Total debt obligations	4,721	10,093
Less current maturities	213	285
Long-term obligations, net of current maturities	<b>\$ 4,508</b>	<b>\$ 9,808</b>

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**Environmental Tectonics Corporation**  
**Notes to the Condensed Consolidated Financial Statements, continued**

**7. Fair Value of Financial Instrument**

The carrying amounts of cash, accounts receivable and accounts payable approximate fair value because of the short maturity associated with these instruments. Derivative financial instruments are recorded at fair value.

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants. The hierarchy below lists three levels of fair value based on the extent to which inputs used in measuring fair value are observable in the market. The Company categorizes each of its fair value measurements in one of these three levels based on the lowest level input that is significant to the fair value measurement in its entirety. These levels are:

- Level 1: Observable inputs such as quoted prices in active markets for identical assets or liabilities;
- Level 2: Inputs other than quoted prices that are observable for the asset or liability, either directly or indirectly; these include quoted prices for similar assets or liabilities in active markets and quoted prices or identical assets or liabilities in markets that are not active;
- Level 3: Unobservable inputs that are supported by little or no market activity, which require the reporting entity’s judgment or estimation.

The assessment of the significance of a particular input to the fair value measurement requires judgment and may affect the valuation of financial assets and financial liabilities and their placement within the fair value hierarchy. The Company’s financial liabilities that are accounted for at fair value on a recurring basis using the discounted cash flow methodology are summarized below:

Liabilities	Fair Value Measurement at May 28, 2010 using:			
	Level 1	Level 2	Level 3	Total
	(amounts in thousands)			
Credit facility payable to bank	\$ —	\$ —	\$ 5,588	\$ 5,588
ETC-PZL contract financing	—	—	392	392
<b>Total</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ 5,980</b>	<b>\$ 5,980</b>

**8. Income Taxes**

The Company uses the asset and liability method of accounting for income taxes. Deferred income taxes reflect the net tax effects of temporary differences between the carrying amounts of assets and liabilities for financial and tax reporting purposes as well as the valuation of net loss carryforwards. Valuation allowances are reviewed each fiscal period to determine whether there is sufficient positive or negative evidence to support a change in judgment about the realizability of the related deferred tax asset.

The Company has reviewed the components of its deferred tax asset and has determined, based upon all available information, that its current and expected future operating income will more likely than not result in the realization of a portion of its deferred tax assets relating primarily to its net operating loss carryforwards. As of May 28, 2010, the Company had approximately \$35.2 million of federal net loss carry forwards available to offset future income tax liabilities, beginning to expire in 2025. In addition, the Company has the ability to offset deferred tax assets against deferred tax liabilities created for such items as depreciation and amortization.

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**Environmental Tectonics Corporation  
 Notes to the Consolidated Financial Statements, continued**

As a result of the Company's analysis, no provision for income taxes was recorded in the Consolidated Statement of Operations for the thirteen week period ended May 28, 2010. For the thirteen week period ended May 29, 2009, the Company did not record any benefit for income taxes due to the prior operating losses and the low probability that any recorded tax receivables would ever be realized.

	(in thousands)	
	Thirteen week period ended May 28, 2010	Thirteen week period ended May 29, 2009
Currently payable		
Federal	\$ 120	\$ —
State	—	—
Foreign (benefits) taxes	—	—
	<u>120</u>	<u>—</u>
Deferred:		
Federal	(120)	—
State	—	—
Foreign benefit	—	—
	<u>(120)</u>	<u>—</u>
	<u>\$ —</u>	<u>\$ —</u>

A reconciliation of the statutory federal income tax rate to the effective tax rate is as follows:

	Thirteen week period ended May 28, 2010	Thirteen week period ended May 29, 2009
Statutory income tax (benefit)	34.0%	34.0%
State income tax, net of federal tax benefit	3.8	3.8
Change in valuation allowance	(37.8)	(37.8)
	<u>—%</u>	<u>—%</u>

The tax effects of the primary components of the temporary differences are as follows:

	May 28, 2010	February 26, 2010
	(amounts in thousands)	
Deferred tax assets:		
Net operating loss and credits	\$ 15,054	\$ 15,607
Vacation reserve	80	80
Inventory reserve	918	880
Receivable reserve	160	156
Warranty reserve	117	117
Compensation and other reserves	158	32
Other, net	—	74
	<u>16,487</u>	<u>16,946</u>
Valuation Reserve	(11,096)	(11,963)
Total current deferred tax asset	<u>5,391</u>	<u>4,983</u>
Deferred tax liabilities:		
Amortization of capitalized software	401	350
Depreciation	2,897	2,716
Total non-current deferred tax liability	<u>3,298</u>	<u>3,066</u>
Net deferred tax asset	<u>\$ 2,093</u>	<u>\$ 1,917</u>

During the fiscal years ended February 26, 2010 and February 27, 2009, the Company did not have any unrecognized tax benefits and accordingly did not recognize interest expense or penalties related to unrecognized tax benefits. The Company or one of its subsidiaries files income tax returns in U.S. federal jurisdiction, various states and foreign jurisdiction. The Company is no longer subject to U.S. federal tax examinations by tax authorities for the fiscal years before 2007.

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**Environmental Tectonics Corporation**  
**Notes to the Consolidated Financial Statements, continued**

**10. Commitments and Contingencies**

**Mends International, Ltd.**

On May 29, 2008, a Request for Arbitration was filed against the Company with the Secretariat of the International Court of Arbitration by Mends International Ltd. ("Mends"). Mends' Request for Arbitration arose out of a February 3, 1999 contract between the Company and Mends wherein Mends purchased aeromedical equipment for sale to the Nigerian Air Force. The Company contested the arbitration case but did record a reserve in this matter. On July 1, 2010, the International Court of Arbitration issued a Partial Final Award which was within the scope of the Company's reserve and which did not have a material adverse effect on the Company's financial condition or results of operations. Additionally, the International Court of Arbitration may make an additional award to allocate the costs of the arbitration (including attorneys' fees) between the parties.

**Administrative Agreement with U.S. Navy**

In 2007, the Company entered into a settlement agreement with the Department of the Navy to resolve litigation filed by the Company in May 2003 in connection with a contract for submarine rescue decompression chambers. As of May 14, 2008, the Company made all payments required under this settlement agreement and transferred the chambers to the Department of the Navy. From October 2, 2007 through December 12, 2007, the Company was suspended by the Department of the Navy from soliciting work for the federal government pursuant to the Federal Acquisition Regulation. However, effective December 12, 2007, the Department of the Navy lifted the Company's suspension pursuant to the execution by the Company and the Department of the Navy of an Administrative Agreement. In accordance with the Administrative Agreement, the Company has established and implemented a program of compliance reviews, audits, and reports.

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**Environmental Tectonics Corporation  
 Notes to the Condensed Consolidated Financial Statements, continued**

**11. Segment Information (unaudited):**

The Company primarily manufactures, under contract, various types of high-technology equipment which it has designed and developed. The Company considers its business activities to be divided into two segments: Training Services Group (TSG) and the Control Systems Group (CSG). Product categories included in TSG are aircrew training devices and related services, disaster management training systems, and entertainment products. CSG includes sterilizers, environmental control systems, and hyperbaric chambers, along with parts and service support. The following segment information reflects the accrual basis of accounting.

	<u>Training Services Group (TSG)</u>	<u>Control Systems Group (CSG)</u>	<u>Corporate</u>	<u>Company Total</u>
	(amounts in thousands)			
<b>Thirteen weeks ended May 28, 2010:</b>				
Net sales	\$ 7,932	\$ 4,189	\$ —	\$ 12,121
Interest expense	136	92	—	228
Depreciation and amortization	192	154	—	346
Operating income (loss)	1,409	1,110	(278)	2,241
Income tax benefit	—	—	—	—
Identifiable assets	19,180	5,797	16,081	41,058
Expenditures for segment assets	376	81	122	579
<b>Thirteen weeks ended May 29, 2009:</b>				
Net sales	\$ 6,915	\$ 2,666	\$ —	\$ 9,581
Interest expense	299	217	—	516
Depreciation and amortization	150	417	—	567
Operating income (loss)	1,894	(170)	(381)	1,343
Income tax benefit	—	—	—	—
Identifiable assets	7,629	5,556	22,353	35,538
Expenditures for segment assets	241	155	—	396
			<u>Thirteen weeks ended May 28, 2010:</u>	<u>Thirteen weeks ended May 29, 2009</u>
<b>Reconciliation to consolidated net income (loss):</b>				
Operating income			\$ 2,241	\$ 1,343
Interest expense			(228)	(516)
Other, net			(72)	(55)
Income tax benefit			—	—
Noncontrolling interest			(5)	(2)
Net income			<u>\$ 1,936</u>	<u>\$ 770</u>

Approximately 68% of sales totaling \$8,279,000 in the thirteen weeks ended May 28, 2010 were made to the U.S. Government under two contracts and to one international customer. Approximately 24% of sales totaling \$2,296,000 in the thirteen weeks ended May 29, 2009 were made to one customer in the international pilot training product line.

Included in the segment information for the thirteen weeks ended May 28, 2010 are export sales of \$5,217,000, including sales to the Korean government for \$4,474,000. For the thirteen week period ended May 29, 2009, there were international sales of \$5,786,000 including sales to or relating to governments or commercial accounts in Saudi Arabia (\$3,327,000), Malaysia (\$667,000) and Turkey (\$537,000).

Segment operating income consists of net sales less applicable costs and expenses relating to these revenues. Unallocated general corporate expenses and other expenses such as letter of credit fees have been excluded from the determination of the total profit/loss for segments. Corporate home office expenses are primarily central administrative office expenses. Other expenses include banking and letter of credit fees. Property, plant and equipment associated with the Company's NASTAR Center are included in the TSG segment; the remaining property, plant and equipment are not identified with specific business segments, as these are common resources shared by all segments.

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### Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

#### FORWARD—LOOKING STATEMENTS

Discussions of some of the matters contained in this Quarterly Report on Form 10-Q for Environmental Tectonics Corporation may constitute forward-looking statements within the meaning of the Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities and Exchange Act of 1934, as amended, and as such, may involve risks and uncertainties. We have based these forward-looking statements on our current expectations and projections about future events or future financial performance, which include implementing our business strategy, developing and introducing new technologies, obtaining, maintaining and expanding market acceptance of the technologies we offer, and competition in our markets. These forward-looking statements are subject to known and unknown risks, uncertainties and assumptions about ETC and its subsidiaries that may cause actual results, levels of activity, performance or achievements to be materially different from any future results, levels of activity, performance or achievements expressed or implied by these forward-looking statements.

These forward-looking statements include statements with respect to the Company's vision, mission, strategies, goals, beliefs, plans, objectives, expectations, anticipations, estimates, intentions, financial condition, results of operations, future performance and business of the Company, including, but not limited to, (i) projections of revenues, income or loss, earnings or loss per share, capital expenditures, growth prospects, dividends, capital structure, other financial items and the effects of currency fluctuations, (ii) statements of our plans and objectives of the Company or its management or Board of Directors, including the introduction of new products, or estimates or predictions of actions of customers, suppliers, competitors or regulatory authorities, (iii) statements of future economic performance, (iv) statements of assumptions and other statements about the Company or its business, (v) statements made about the possible outcomes of litigation involving the Company, (vi) statements regarding the Company's ability to obtain financing to support its operations and other expenses, and (vii) statements preceded by, followed by or that include terminology such as "may," "will," "should," "expect," "plan," "anticipate," "believe," "estimate," "future," "predict," "potential," "intend," or "continue," and similar expressions. These forward-looking statements involve risks and uncertainties which are subject to change based on various important factors. Some of these risks and uncertainties, in whole or in part, are beyond the Company's control. Factors that might cause or contribute to such a material difference include, but are not limited to, those discussed in our Annual Report on Form 10-K for the fiscal year ended February 26, 2010, in the section entitled "Risks Particular to Our Business." Shareholders are urged to review these risks carefully prior to making an investment in the Company's common stock.

The Company cautions that the foregoing list of factors that could affect forward-looking statements by ETC is not exclusive. Except as required by federal securities law, the Company does not undertake to update any forward-looking statement, whether written or oral, that may be made from time to time by or on behalf of the Company.

In this report all references to "ETC," "the Company," "we," "us," or "our," mean Environmental Tectonics Corporation and our subsidiaries.

References to fiscal first quarter 2011 are references to the 13-week period ended May 28, 2010. References to fiscal first quarter 2010 are references to the 13-week period ended May 29, 2009. References to fiscal 2011 or the 2011 fiscal year are references to the fifty-two week period ended February 25, 2011. References to fiscal 2010 or the 2010 fiscal year are references to the fifty-two week period ended February 26, 2010.

#### Overview

ETC was incorporated in 1969 in Pennsylvania. For over forty years, we have provided our customers with products, service and support. Innovation, continuous technological improvement and enhancement, and product quality are core values and critical to our success. We are a significant supplier and innovator in the following product areas: (1) software driven products and services used to create and monitor the physiological effects of flight; (2) high performance jet tactical flight simulation; (3) steam and gas sterilization; (4) testing and simulation devices for the automotive industry; (5) hyperbaric and hypobaric chambers; and (6) driving and disaster simulation systems.

We operate in two business segments — Training Services Group ("TSG") and Control Systems Group ("CSG"). Our core technologies in TSG include the design, manufacture and sale of training services which consists of (1) software driven products and services used to create and monitor the physiological effects of flight; (2) high performance jet tactical flight simulation, and; (3) driving and disaster simulation systems, and in CSG include: (1) steam and gas sterilization; (2) testing and simulation devices for the automotive industry, and; (3) hyperbaric and hypobaric chambers. Product categories included in TSG are Aircrew Training Systems (ATS) and flight simulators, disaster management systems and entertainment applications. CSG includes sterilizers, environmental control devices and hyperbaric chambers along with parts and service support. Revenue and other financial information regarding our segments may be found in Note 11 — Business Segment Information of the Notes to the Condensed Consolidated Financial Statements.

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The following factors had an impact on our financial performance, cash flow and financial position for the fiscal quarter ended May 28, 2010:

- Increased production under U.S. Government contracts

The Base Realignment and Closure (BRAC) Act passed in 2005 by Congress mandated base closures and consolidations through all the U.S. defense services. As a result of this Act, in the past two years we have been awarded two major contracts for pilot training. Our fiscal 2011 opening backlog of firm orders included approximately \$48 million for two significant contracts from the U.S. Navy for a research disorientation trainer and the U.S. Air Force to provide a high performance training and research human centrifuge. As a result of engineering and production activity on these two contracts, sales to the U.S. Government increased by \$2.2 million in our Training Services Group during the current fiscal quarter versus the prior fiscal quarter. On June 12, 2010, we were awarded an additional \$38.3 million contract by the U. S. Air Force to provide a suite of altitude chambers. Although at the current time we have a significant sales backlog with the U.S. Government for equipment to be procured under the BRAC Act, given the current domestic economic conditions and political environment, it should not be assumed that any additional contracts will be awarded to us.

- Exchange of long term debt, establishment of additional facility, and increase in bank line

On April 24, 2009, we entered into a transaction with H. F. Lenfest, a member of our Board of Directors and a significant shareholder, that provided for the following: (i) a \$7,500,000 credit facility to be provided by Lenfest to ETC; (ii) exchange of the Subordinated Note held by Lenfest, together with all accrued interest and warrants issuable under the Subordinated Note, and all Series B Preferred Stock and Series C Preferred Stock held by Lenfest, together with all accrued dividends thereon, for a new class of preferred stock, Series E Preferred Stock, of the Company; and (iii) an increase of the existing \$15,000,000 revolving line of credit with PNC Bank to \$20,000,000. Having adequate cash from operations and additional availability under new and existing credit lines allowed us to effectively and efficiently execute on our contracts. Additionally, we expect to be adequately cash funded throughout fiscal 2011.

- Positive impact of income taxes

During the first quarter of fiscal 2011, no income tax provision was recorded due to our utilization of significant net operating loss carryforwards. We use the asset and liability method of accounting for income taxes. Deferred income taxes reflect the net tax effects of temporary differences between the carrying amounts of assets and liabilities for financial and tax reporting purposes as well as the valuation of net loss carryforwards. Valuation allowances are reviewed each fiscal period to determine whether there is sufficient positive or negative evidence to support a change in judgment about the realizability of the related deferred tax asset.

- Continued expanded use of our NASTAR Center

Our National Aerospace Training and Research (NASTAR) Center, which opened in fiscal 2008, is an integrated pilot training center offering a complete range of aviation training and research support for military aviation, civil aviation and the emerging commercial space market. The NASTAR Center houses state of the art equipment including the ATFS-400, a GYROLAB GL-2000 Advanced Spatial Disorientation Trainer, a Hypobaric Chamber, an Ejection Seat Trainer, and a Night Vision and Night Vision Goggle Training System. These products represent over forty years of pioneering development and training solutions for the most rigorous stresses encountered during high performance aircraft flight including the effects of altitude exposure, High G-force exposure, spatial disorientation and escape from a disabled aircraft.

During the past two fiscal years we have been successful in utilizing the NASTAR Center for research, space training and as a showroom to market our Authentic Tactical Fighting System technology. We feel that demonstrating tactical flight simulation in our NASTAR Center has been highly instrumental in our obtaining significant orders for our Aircrew Training Systems products.

Going forward, we are hopeful for expanded research aimed at examining the effectiveness of using centrifuge based simulation for Upset Recovery Training ("URT") for commercial airline pilots. Loss of control in flight is a major cause factor in loss of life and hull damage aircraft accidents. Modern day commercial aviation currently has no requirement for training of pilots to deal with these situations, commonly referred to as "upsets." Realistic training for responding to and recovering from upsets, or URT, requires more than a non-centrifuged based simulator because non-centrifuge-based simulators do not reproduce the physiological stresses and disorientation that a pilot experiences during an actual upset. We believe our GYROLAB simulator series is an answer to providing pilots with the dynamic environment necessary for effective training.

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- Continued capital and consulting spending to enhance and market worldwide our Authentic Tactical Fighting Systems (ATFS) and other technologies.

During the past two fiscal years we have spent over \$4.8 million (including \$2.3 million in fiscal 2010) in capital, software development and consulting expenses. Most of this spending has been related to our pilot training simulation equipment. This includes engineering costs to improve the technical abilities of our ATFS line of products, validation effort associated with Upset Recovery Training, and consulting arrangements. Going forward, we expect spending to be significant for these efforts.

- Common stock dilution.

As a result of our aforementioned refinancing transaction with H. F. Lenfest, our average fully diluted shares have increased by approximately 11.8 million shares. Given our positive financial performance, this increase in equivalent common shares has a dilutive impact on our earnings per share.

### Critical Accounting Policies

The discussion and analysis of the Company's financial condition and results of operation are based upon the Company's condensed consolidated financial statements, which have been prepared in accordance with accounting principles generally accepted in the United States of America. The preparation of these condensed consolidated financial statements requires the Company to make estimates and judgments that affect the reported amount of assets and liabilities, revenues and expenses, and related disclosure of contingent assets and liabilities at the date of the Company's condensed financial statements. Actual results may differ from these estimates under different assumptions or conditions.

Critical accounting policies are defined as those that reflect significant judgments and uncertainties, and potentially result in materially different results under different assumptions and conditions. For a detailed discussion on the application of these and other accounting policies, see Note 2 to the Consolidated Financial Statements, Summary of Significant Accounting Policies in the Company's Annual Report on Form 10-K for the fiscal year ended February 26, 2010.

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**Results of Operations**

**Thirteen weeks ended May 28, 2010 compared to thirteen weeks ended May 29, 2009**

We have historically experienced significant variability in our quarterly revenue, earnings and other operating results, and our performance may fluctuate significantly in the future.

	Summary Table of Results			
	13 weeks ended May 28, 2010	13 weeks ended May 29, 2009	Variance \$	Variance %
	(amounts in thousands)		( ) =Unfavorable	
<b>Sales:</b>				
Domestic	\$ 2,918	\$1,959	\$ 959	49.0%
US Government	3,986	1,836	2,150	117.1
International	5,217	5,786	(569)	(9.8)
<b>Total Sales</b>	<b>12,121</b>	<b>9,581</b>	<b>2,540</b>	<b>26.5</b>
<b>Gross Profit</b>	<b>5,130</b>	<b>4,427</b>	<b>703</b>	<b>15.9</b>
Selling and marketing expenses	1,102	1,254	152	12.1
General and administrative expenses	1,463	1,602	139	8.7
Research and development expenses	324	228	(96)	(42.1)
Operating income	2,241	1,343	898	66.9
Interest expense, net	228	516	288	55.8
Other expense, net	72	55	(17)	(30.9)
Income taxes	—	—	—	n/a
Noncontrolling interest	5	2	(3)	(150.0)
<b>Net income</b>	<b>\$ 1,936</b>	<b>\$ 770</b>	<b>\$1,166</b>	<b>151.4%</b>
Net income per common share (basic)	\$ 0.15	\$ 0.06	\$ 0.09	150.0%
Net income per common share (diluted)	\$ 0.09	\$ 0.06	\$ 0.03	50.0%

**Net Income**

The Company had a net income of \$1,936,000 or \$0.15 per share (basic) and \$0.09 (diluted) during the first quarter of fiscal 2011 compared to net income of \$770,000 or \$0.06 per share (basic and diluted), for the first quarter of fiscal 2010, representing an improvement of \$1,166,000, 151.4%. The improvement reflected a significant increase in gross profit (reflecting the higher sales level) coupled with lower operating expenses and interest expense. Increased research and development expenses acted as a partial offsets.

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The following schedule presents the Company's sales by segment, business unit and geographic area:

Segment sales:	(amounts in thousands)							
	Domestic	Thirteen week period ended May 28, 2010			Total	Thirteen week period ended May 29, 2009		
		USG	Inter-national		Domestic	USG	Inter-national	
<b>Training Services Group:</b>								
Pilot Training Services	\$ 1	\$4,003	\$3,733	\$ 7,737	\$ 36	\$1,345	\$3,916	\$5,297
Simulation	—	—	96	96	201	—	1,144	1,345
ETC-PZL and other	33	—	66	99	91	—	182	273
<b>Total</b>	<b>\$ 34</b>	<b>\$4,003</b>	<b>\$3,895</b>	<b>\$ 7,932</b>	<b>\$ 328</b>	<b>\$1,345</b>	<b>\$5,242</b>	<b>\$6,915</b>
<b>Control Systems Group:</b>								
Environmental	\$ 108	\$ (17)	\$ 977	\$ 1,068	\$ 374	\$ 491	\$ 269	\$1,134
Sterilizers	1,725	—	—	1,725	218	—	—	218
Hyperbaric	610	—	199	809	628	—	183	811
Service and spares	441	—	146	587	411	—	92	503
<b>Total</b>	<b>2,884</b>	<b>(17)</b>	<b>1,322</b>	<b>4,189</b>	<b>1,631</b>	<b>491</b>	<b>544</b>	<b>2,666</b>
<b>Company total</b>	<b>\$2,918</b>	<b>\$3,986</b>	<b>\$5,217</b>	<b>\$12,121</b>	<b>\$1,959</b>	<b>\$1,836</b>	<b>\$5,786</b>	<b>\$9,581</b>

Sales for the first quarter of fiscal 2011 were \$12,121,000 as compared to \$9,581,000 for the first quarter of fiscal 2010, an increase of \$2,540,000 or 26.5%. As the table indicates, significant increases were realized in the U.S. Government and Domestic markets offset in part in by a decline in International sales.

**Domestic Sales**

Domestic sales in the first quarter of fiscal 2011 were \$2,918,000 as compared to \$1,959,000 in the first quarter of fiscal 2010, an increase of \$959,000 or 49.0%, reflecting a significant increase in the sterilizer product line (up \$1,507,000), of our Control Systems Group, partially offset by declines in most other product areas. Domestic sales represented 24.1% of the Company's total sales in the first quarter of fiscal 2011, as compared to 20.4% for the first quarter of fiscal 2010.

U.S. Government sales in the first quarter of fiscal 2011 were \$3,986,000 as compared to \$1,836,000 in the first quarter of fiscal 2010, an increase of \$2,150,000 or 117.1%, and represented 32.9% of total sales in the first quarter of fiscal 2011 versus 19.2% for the first quarter of fiscal 2010. This increase is the result of sales of the Company's Pilot Training Systems products under significant contracts from the U.S. Navy for a research disorientation trainer and the U.S. Air Force to provide a high performance training and research human centrifuge.

**International Sales**

International sales, which include sales in the Company's subsidiary in Poland, for the first quarter of fiscal 2011, were \$5,217,000 as compared to \$5,786,000 in the first quarter of fiscal 2010, a decrease of \$569,000 or 9.8%, and represented 43.0% of total sales, as compared to 60.4% in the first quarter of fiscal 2009. International performance reflected lower simulation sales (down \$1,048,000) primarily for a contract in the Middle East which was completed in fiscal 2010. For the thirteen week period ended May 28, 2010, there were sales to the Korean government for \$4,474,000. For the thirteen week period ended May 29, 2009, there were sales to or relating to governments or commercial accounts in Saudi Arabia (\$3,327,000), Malaysia (\$667,000) and Turkey (\$537,000).

Fluctuations in sales to international countries from year to year primarily reflect percentage of completion ("POC") revenue recognition on the level and stage of development and production on multi-year long-term contracts.

**Gross Profit**

Gross profit for the first quarter of fiscal 2011 was \$5,130,000 as compared to \$4,427,000 in the first quarter of fiscal 2010, an increase of \$703,000 or 15.9%. As a percentage of sales, gross profit for the first quarter of fiscal 2011 was 42.3% compared to 46.2% for the same period a year ago. The gross margin dollar increase followed the sales increase in both governmental and domestic sales partially offset by the reduction in higher margin international sales. The 3.9 percentage point reduction in the gross margin rate as a percentage of sales primarily reflected reductions in the ATS and simulation product areas.

**Selling and Marketing Expenses**

Selling and marketing expenses for the first quarter of fiscal 2011 were \$1,102,000 as compared to \$1,254,000 in the first quarter of fiscal 2010, a decrease of \$152,000 or 12.1%. This decrease primarily reflected reduced bid and proposal expenses and reduced commissions on the mix shift in sales in the current quarter to U.S. Government sales.

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**General and Administrative Expenses**

General and administrative expenses for the first quarter of fiscal 2011 were \$1,463,000 as compared to \$1,602,000 in the first quarter of fiscal 2010, a decrease of \$139,000, 8.7%. The reduction was comprised of lower spending for legal fees and bad debt expense.

**Research and Development Expenses**

Research and development expenses, which are charged to operations as incurred, were \$324,000 for the first quarter of fiscal 2011 as compared to \$228,000 for the first quarter of fiscal 2010. The prior quarter reflected higher grant funds from the Turkish Government. Most of the Company's research efforts, which were and continue to be a significant cost of its business, are included in cost of sales for applied research for specific contracts, as well as research for feasibility and technology updates.

**Interest Expense**

Interest expense for the first quarter of fiscal 2011 was \$228,000 as compared to \$516,000 for the first quarter of fiscal 2010, representing a decrease of \$288,000 or 55.8%, reflecting reduced bank borrowing and the July 2009 exchange of a \$10 million convertible note for preferred stock.

**Other Expense, Net**

Other expense, net, was \$72,000 for the first quarter of fiscal 2011 versus \$55,000 for the first quarter of fiscal 2010. These expenses consist primarily of bank and letter of credit fees as well as foreign currency exchange gains or losses.

**Income Taxes**

Due to the utilization of net operating loss carry forwards available the Company did not record an income tax expense on the income in the current fiscal quarter.

The Company has reviewed the components of its deferred tax asset and has determined, based upon all available information, that its current and expected future operating income will more likely than not result in the realization of a portion of its deferred tax assets relating primarily to its net operating loss carryforwards. As of May 28, 2010, the Company had approximately \$35.2 million of federal net loss carry forwards available to offset future income tax liabilities, beginning to expire in 2025. In addition, the Company has the ability to offset deferred tax assets against deferred tax liabilities created for such items as depreciation and amortization.

**Liquidity and Capital Resources**

The Company's liquidity position and borrowing availability improved significantly during the first quarter of 2011. Cash flow from operations was a positive \$8,244,000. Working capital (current assets less current liabilities) was \$10,940,000 and the Company's current ratio (current assets divided by current liabilities) was 1.72. The Company repaid over \$5 million under its line of credit agreement and repurchased \$1,000,000 of Series E Preferred Stock from Lenfest. This positive performance primarily reflected the net income in the period and milestone payment collections under long term contracts.

On April 24, 2009, we entered into a transaction with H. F. Lenfest, a member of our Board of Directors and a significant shareholder, that provides for the following: (i) a \$7,500,000 credit facility to be provided by Lenfest to ETC; (ii) exchange of the Subordinated Note held by Lenfest, together with all accrued interest and warrants issuable under the Subordinated Note, and all Series B Preferred Stock and Series C Preferred Stock held by Lenfest, together with all accrued dividends thereon, for a new class of preferred stock, Series E Preferred Stock, of the Company; and (iii) an increase of the existing \$15,000,000 revolving line of credit with PNC Bank to \$20,000,000. Having adequate cash from operations and additional availability under new and existing credit lines allowed us to effectively and efficiently execute on our contracts. Additionally, we expect to be adequately cash funded throughout fiscal 2011. As of May 28, 2010, the Company had not utilized any of the \$7.5 million available funding under the Lenfest credit facility.

The schedule below presents the Company's available borrowings under its existing credit facilities (amounts in thousands):

Credit facility*	Total Facility	Amount Borrowed As of May 28, 2010:	Amount Available	Total Facility	Amount Borrowed As of February 26, 2010:	Amount Available
PNC line of credit	\$20,000	\$ 5,835	\$14,165	\$20,000	\$11,128	\$ 8,872
Lenfest credit line	7,500	—	7,500	7,500	—	7,500
Dedicated line of credit	5,422	5,422	—	5,422	5,422	—
Total	<u>\$32,922</u>	<u>\$11,257</u>	<u>\$21,665</u>	<u>\$32,922</u>	<u>\$16,550</u>	<u>\$16,372</u>

\* See Note 6 — Long-term Debt and Credit Arrangements in the Notes to the Condensed Consolidated Financial Statements.

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**Net cash provided by (used for) operating activities:**

Cash provided by operations is driven by income from sales of our products offset by the timing of receipts and payments in the ordinary course of business.

During the first quarter of fiscal 2011, we generated \$8,244,000 of cash from operating activities versus a usage of \$1,156,000 for the first quarter of fiscal 2010, an improvement of \$9,400,000. Cash generated in the current period primarily reflected significantly improved operating results, customer progress payments under long-term POC contracts, and non-cash expenses of depreciation and amortization. These items were offset in part by a reduction in billings in excess of costs under long-term POC contracts as well as an increase in prepaid commissions resulting from payments received under POC contracts that have not been recognized as revenue.

**Net cash used for investing activities:**

Cash used for investing activities primarily relates to funds used for capital expenditures in property and equipment. These uses of cash are offset by sales and borrowings under our credit facilities. The Company's investing activities used \$579,000 in the first quarter of fiscal 2011 and consisted primarily of costs for the continued construction activities and the manufacturing of demonstration simulators for our NASTAR Center coupled with higher software enhancements for our Advanced Tactical Fighter Systems technology.

**Net cash used for financing activities:**

The Company's financing activities used \$9,675,000 of cash during the first quarter of fiscal 2011. This primarily reflected the repayments under the Company's bank line, and the repurchase of \$1,000,000 of Series E Preferred Stock from and payments of Series D and E Preferred Stock dividends to H.F. Lenfest.

**Outlook**

We expect to use our cash, cash equivalents and credit facilities for working capital and general corporate purposes, products, product rights, technologies, property, plant and equipment, the payment of contractual obligations, including scheduled interest payments on our credit facilities and dividends on our preferred stock, the potential acquisition of businesses, and/or the purchase, redemption or retirement of our credit facilities and preferred stock. We expect that net sales of our currently marketed products should allow us to continue to generate positive operating cash flow in fiscal 2011. At this time, however, we cannot accurately predict the effect of certain developments on our anticipated rate of sales growth in 2012 and beyond, because of factors such as the degree of market acceptance, the impact of competition, the effectiveness of our sales and marketing efforts, and the outcome of our efforts to develop our products.

**Backlog**

Below is a breakdown of the Company's May 28, 2010 and February 26, 2010 sales backlog (amounts in thousands except percentages):

Geographic area:	May 26, 2010		Business segment:		%
	TSG	CSG	Total		
Domestic	\$ 1,214	\$ 5,784	\$ 6,998		7.6%
US Government	45,810	66	45,876		49.9
International	32,635	6,419	39,054		42.5
<b>Total</b>	<b>\$79,659</b>	<b>\$12,269</b>	<b>\$91,928</b>		<b>100.0%</b>
<b>% of total</b>	<b>86.7%</b>	<b>13.3%</b>	<b>100.0%</b>		

  

Geographic area:	February 26, 2010		Business segment:		%
	TSG	CSG	Total		
Domestic	\$ 210	\$ 3,772	\$ 3,982		4.1%
US Government	49,111	48	49,159		51.0
International	36,244	7,579	43,823		44.9
<b>Total</b>	<b>\$85,565</b>	<b>\$11,399</b>	<b>\$96,964</b>		<b>100.0%</b>
<b>% of total</b>	<b>88.2%</b>	<b>11.8%</b>	<b>100.0%</b>		

Our sales backlog at May 28, 2010 and February 26, 2010, for work to be performed and revenue to be recognized under written agreements after such dates, was \$91,928,000 and \$96,964,000, respectively. Of the May 28, 2010 sales backlog, approximately \$33,014,000 represents one international contract for multiple aircrew training simulators. Approximately 97% of the U.S. Government backlog represents two contracts.

Subsequent to fiscal quarter end, on June 12, 2010, we were awarded an additional \$38.3 million contract by the U. S. Air Force to provide a suite of altitude chambers. This contract is not included in the above totals. The Company's order flow does not follow any seasonal pattern as the Company receives orders in each fiscal quarter of its fiscal year.

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### **Item 4T. Controls and Procedures**

#### **Evaluation of Disclosure Control and Procedures**

Our management is responsible for establishing and maintaining adequate internal control over financial reporting. As of the end of the period covered by this report, the Company's management conducted an evaluation, under the supervision and with the participation of the principal executive officer and principal financial officer, of the Company's disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act). Based on this evaluation, the principal executive officer and principal financial officer concluded that, as of the end of the period covered by this report, the Company's disclosure controls and procedures were functioning effectively and provide reasonable assurance that the information required to be disclosed by the Company in its periodic reports is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms. Notwithstanding the foregoing, a control system, no matter how well designed and operated, can provide only reasonable, not absolute, assurance that it will detect or uncover failures within the Company to disclose material information otherwise required to be set forth in the Company's periodic reports.

#### **Changes in Internal Control Over Financial Reporting.**

There was no change in our internal control over financial reporting (as such term is defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) during our most recently completed fiscal quarter that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

## **PART II — OTHER INFORMATION**

### **Item 1. Legal Proceedings**

#### **Mends International, Ltd.**

On May 29, 2008, a Request for Arbitration was filed against the Company with the Secretariat of the International Court of Arbitration by Mends International Ltd. ("Mends"). Mends' Request for Arbitration arose out of a February 3, 1999 contract between the Company and Mends wherein Mends purchased aeromedical equipment for sale to the Nigerian Air Force. The Company contested the arbitration case but did record a reserve in this matter. On July 1, 2010, the International Court of Arbitration issued a Partial Final Award which was within the scope of the Company's reserve and which did not have a material adverse effect on the Company's financial condition or results of operations. Additionally, the International Court of Arbitration may make an additional award to allocate the costs of the arbitration (including attorneys' fees) between the parties.

#### **Administrative Agreement with U.S. Navy**

In 2007, the Company entered into a settlement agreement with the Department of the Navy to resolve litigation filed by the Company in May 2003 in connection with a contract for submarine rescue decompression chambers. As of May 14, 2008, the Company had made all payments required under this settlement agreement and had transferred the chambers to the Department of the Navy. From October 2, 2007 through December 12, 2007, the Company was suspended by the Department of the Navy from soliciting work for the federal government pursuant to the Federal Acquisition Regulation. However, effective December 12, 2007, the Department of the Navy lifted the Company's suspension pursuant to the execution by the Company and the Department of the Navy of an Administrative Agreement. In accordance with the Administrative Agreement, the Company has established and implemented a program of compliance reviews, audits, and reports.

#### **Other Matters**

Certain other claims, suits, and complaints arising in the ordinary course of business have been filed or are pending against us. In our opinion, after consultation with legal counsel handling these specific matters, all such matters are reserved for or adequately covered by insurance or, if not so covered, are without merit or are of such kind, or involve such amounts, as would not have a significant effect on our financial position or results of operations if disposed of unfavorably.

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**Item 2. Unregistered Sales of Equity Securities and Use of Proceeds**

None

**Item 3. Defaults Upon Senior Securities**

None.

**Item 4. Other Information**

None.

**Item 5. Exhibits**

Number	Item
3.1	Registrant's Articles of Incorporation, as amended, were filed as Exhibit 3.1 to Registrant's Form 10-K for the year ended February 28, 1997 and are incorporated herein by reference.
3.2	Registrant's amended and restated By-Laws were filed as Exhibit 3.2 to Registrant's Form 8-K dated July 6, 2009, and are incorporated herein by reference.
10.1	Amendment to Loan Documents dated as of May 7, 2010, between the Registrant, H.F. Lenfest and PNC Bank, National Association was filed on June 1, 2010 as Exhibit 1.1 to Form 8-K and is incorporated by reference.
10.2	Amendment to Loan Documents dated as of June 2, 2010 between the Registrant and PNC Bank, National Association, (filed herewith).
31.1	Certification dated July 12, 2009 pursuant to 18 U.S.C. Section 1350 as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 made by William F. Mitchell, Chief Executive Officer.
31.2	Certification dated July 12, 2009 pursuant to 18 U.S.C. Section 1350 as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 made by Duane D. Deaner, Chief Financial Officer.
32	Certification dated July 12, 2009 pursuant to 18 U.S.C. Section 1350 as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 made by William F. Mitchell, Chief Executive Officer, and Duane D. Deaner, Chief Financial Officer.



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**Signatures**

Pursuant to the requirements 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.

**ENVIRONMENTAL TECTONICS CORPORATION**  
(Registrant)

Date: July 12, 2010

By: /s/ William F. Mitchell

William F. Mitchell  
President and Chief  
Executive Officer  
(Principal Executive Officer)

Date: July 12, 2010

By: /s/ Duane Deaner

Duane Deaner,  
Chief Financial Officer  
(Principal Financial and Accounting Officer)



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Exhibit 10.2

**Amendment to Loan Documents**



**THIS AMENDMENT TO LOAN DOCUMENTS** (this “**Amendment**”) is made as of June 2, 2010, by and between **ENVIRONMENTAL TECTONICS CORPORATION** (the “**Borrower**”) and **PNC BANK, NATIONAL ASSOCIATION** (the “**Bank**”).

**BACKGROUND**

A. The Borrower has executed and delivered to the Bank, one or more promissory notes, letter agreements, loan agreements, security agreements, guaranties, pledge agreements, collateral assignments, and other agreements, instruments, certificates and documents, some or all of which are more fully described on attached Exhibit A, which is made a part of this Amendment (collectively as amended from time to time, the “**Loan Documents**”) which evidence or secure some or all of the Borrower’s obligations to the Bank for one or more loans or other extensions of credit (the “**Obligations**”).

B. The Borrower and the Bank desire to amend the Loan Documents as provided for in this Amendment.

**NOW, THEREFORE**, in consideration of the mutual covenants herein contained and intending to be legally bound hereby, the parties hereto agree as follows:

1. Certain of the Loan Documents are amended or terminated as set forth in Exhibit A. Any and all references to any Loan Document in any other Loan Document shall be deemed to refer to such Loan Document as amended by this Amendment. This Amendment is deemed incorporated into each of the Loan Documents. Any initially capitalized terms used in this Amendment without definition shall have the meanings assigned to those terms in the Loan Documents. To the extent that any term or provision of this Amendment is or may be inconsistent with any term or provision in any Loan Document, the terms and provisions of this Amendment shall control.

2. The Borrower hereby certifies that: (a) all of its representations and warranties in the Loan Documents, as amended by this Amendment, are, except as may otherwise be stated in this Amendment: (i) true and correct as of the date of this Amendment, (ii) ratified and confirmed without condition as if made anew, and (iii) incorporated into this Amendment by reference, (b) no Event of Default or event which, with the passage of time or the giving of notice or both, would constitute an Event of Default, exists under any Loan Document which will not be cured by the execution and effectiveness of this Amendment, (c) no consent, approval, order or authorization of, or registration or filing with, any third party is required in connection with the execution, delivery and carrying out of this Amendment or, if required, has been obtained, and (d) this Amendment has been duly authorized, executed and delivered so that it constitutes the legal, valid and binding obligation of the Borrower, enforceable in accordance with its terms. The Borrower confirms that the Obligations remain outstanding without defense, set off, counterclaim, discount or charge of any kind as of the date of this Amendment.

3. The Borrower hereby confirms that, except to the extent modified or terminated as set forth in this Amendment, any collateral for the Obligations, including liens, security interests, guaranties, and pledges granted by the Borrower or the Guarantor (if applicable), shall continue unimpaired and in full force and effect, and shall cover and secure all of the Borrower’s existing and future Obligations to the Bank, as modified by this Amendment.

4. As a condition precedent to the effectiveness of this Amendment, the Borrower shall comply with the terms and conditions (if any) specified in Exhibit A.

5. To induce the Bank to enter into this Amendment, the Borrower waives and releases and forever discharges the Bank and its officers, directors, attorneys, agents, and employees from any liability, damage, claim, loss or expense of any kind that it may have against the Bank or any of them arising out of or relating to the Obligations. The Borrower further agrees to indemnify and hold the Bank and its officers, directors, attorneys, agents and employees harmless from any loss, damage, judgment, liability or expense (including attorneys' fees) suffered by or rendered against the Bank or any of them on account of any claims arising out of or relating to the Obligations. The Borrower further states that it has carefully read the foregoing release and indemnity, knows the contents thereof and grants the same as its own free act and deed.

6. This Amendment may be signed in any number of counterpart copies and by the parties to this Amendment on separate counterparts, but all such copies shall constitute one and the same instrument. Delivery of an executed counterpart of a signature page to this Amendment by facsimile transmission shall be effective as delivery of a manually executed counterpart. Any party so executing this Amendment by facsimile transmission shall promptly deliver a manually executed counterpart, provided that any failure to do so shall not affect the validity of the counterpart executed by facsimile transmission.

7. This Amendment will be binding upon and inure to the benefit of the Borrower and the Bank and their respective heirs, executors, administrators, successors and assigns.

8. This Amendment has been delivered to and accepted by the Bank and will be deemed to be made in the Commonwealth of Pennsylvania. This Amendment will be interpreted and the rights and liabilities of the parties hereto determined in accordance with the laws of the Commonwealth of Pennsylvania, excluding its conflict of laws rules.

9. Except as amended hereby, the terms and provisions of the Loan Documents remain unchanged, are and shall remain in full force and effect unless and until modified or amended in writing in accordance with their terms, and are hereby ratified and confirmed. Except as expressly provided herein, this Amendment shall not constitute an amendment, waiver, consent or release with respect to any provision of any Loan Document, a waiver of any default or Event of Default under any Loan Document, or a waiver or release of any of the Bank's rights and remedies (all of which are hereby reserved). **The Borrower expressly ratifies and confirms the waiver of jury trial provisions contained in the Loan Documents.**

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**WITNESS** the due execution of this Amendment as a document under seal as of the date first written above.

**ATTEST:** **ENVIRONMENTAL TECTONICS CORPORATION**

By: \_\_\_\_\_ By: \_\_\_\_\_

Print Name: \_\_\_\_\_ Print Name: \_\_\_\_\_

Title: \_\_\_\_\_ Title: \_\_\_\_\_

**PNC BANK, NATIONAL ASSOCIATION**

By: \_\_\_\_\_  
(SEAL)

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_



**EXHIBIT A TO  
AMENDMENT TO LOAN DOCUMENTS  
DATED AS OF JUNE 2, 2010**

- A. The "Loan Documents" that are the subject of this Amendment include the following (as any of the foregoing have previously been amended, modified or otherwise supplemented):
1. Letter Agreement between the Borrower and the Bank dated November 16, 2009 (the "**Letter Agreement**")
  2. Reimbursement Agreement for Letters of Credit between the Borrower and the Bank dated November 16, 2009
  3. Pledge Agreement (Bank Deposits) between the Borrower and the Bank dated November 16, 2009 (the "**Borrower Pledge Agreement**")
  4. All other documents, instruments, agreements, and certificates executed and delivered in connection with the Loan Documents listed in this Section A.
- B. The Loan Documents are amended as follows:
1. The Borrower Pledge Agreement is amended by amending and restating the first paragraph of Section 1 thereof to read in full as follows:  
**"Pledge.** In order to induce the Secured Party to extend the Obligations (as defined below), the Pledgor hereby grants a security interest in and pledges to the Secured Party, all of the Pledgor's rights, title and interest in and to the accounts, deposits, deposit accounts, and certificates of deposit, whether negotiable or nonnegotiable, and all security entitlements of the Pledgor with respect thereto, whether now owned or hereafter acquired, including those entries on the records of the issuing institution, and any and all renewals, substitutions, replacements and proceeds thereof and all income, interest and other distributions thereon maintained in the name of the Pledgor by the issuing institution (collectively, the "**Collateral**"), as more fully described on Exhibit A attached hereto and made a part hereof, which Collateral shall at all times have a fair market value of at least \$5,422,405."
  2. The existing Exhibit A to Pledge Agreement is hereby deleted and replaced with the Exhibit A to Pledge Agreement attached hereto.
- C. Conditions to Effectiveness of Amendment: The Bank's willingness to agree to the amendments set forth in this Amendment are subject to the prior satisfaction of the following conditions:
1. Execution by all parties and delivery to the Bank of this Amendment including the attached Consent.

[E/O]

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**EXHIBIT A  
TO PLEDGE AGREEMENT**

<u>Issuer</u>	<u>Dollar Amount</u>	<u>Issuance Date</u>	<u>Certificate of Deposit No.</u>
PNC Bank, National Association	\$2,720,544.40	11/16/09	31700343665
PNC Bank, National Association	\$2,705,587.96	3/30/10	31700346938

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**EXHIBIT 31.1**

CERTIFICATION PURSUANT TO RULE 13A-14(A) UNDER THE SECURITIES EXCHANGE ACT OF 1934

I, William F. Mitchell, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Environmental Tectonics 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 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)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f) 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 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 officers 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 functions):
  - 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 control over financial reporting.

Date: July 12, 2010

By: /s/ William F. Mitchell  
William F. Mitchell  
President and Chief Executive Officer



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**EXHIBIT 31.2**

CERTIFICATION PURSUANT TO RULE 13A-14(A) UNDER THE SECURITIES EXCHANGE ACT OF 1934

I, Duane D. Deaner, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Environmental Tectonics 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 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)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f) 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 officers 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 registrant's board of directors (or persons performing the equivalent functions):
  - 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 control over financial reporting.

Date: July 12, 2010

By: /s/ Duane D. Deaner  
Duane D. Deaner  
Chief Financial Officer

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**DOCHDR 5**



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**EXHIBIT 32**

**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350  
AS ADOPTED PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report on Form 10-Q of Environmental Tectonics Corporation (the "Company") for the fiscal quarter ended May 28, 2010 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, William F. Mitchell, Chief Executive Officer of the Company, and I, Duane D. Deaner, Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and result of operations of the Company.

/s/ William F. Mitchell

\_\_\_\_\_  
William F. Mitchell  
Chief Executive Officer

/s/ Duane D. Deaner

\_\_\_\_\_  
Duane D. Deaner  
Chief Financial Officer

July 12, 2010

This certification accompanies the Report pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 and shall not, except to the extent required by the Sarbanes-Oxley Act of 2002, be deemed to be filed by the Company for purpose of Section 18 of the Securities Exchange Act of 1934, as amended.

A signed original of this written statement required by Section 906 has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request.