

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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FORM 8-K

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

Date of Earliest Event Reported  
August 2, 2005

Environmental Tectonics Corporation

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(Exact name of registrant as specified in its charter)

Pennsylvania

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(State or other jurisdiction of incorporation of organization)

1-10655

23-1714256

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(Commission File Number)

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(IRS Employer Identification Number)

County Line Industrial Park  
Southampton, Pennsylvania

18966

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(Address of principal executive offices)

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(Zip Code)

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

ITEM 7.01 REGULATION FD DISCLOSURE.

On August 2, 2005, Environmental Tectonics Corporation (the "Company") issued a press release announcing the redemption of all of the Company's outstanding taxable variable rate demand/fixed rate revenue bonds due April 1, 2020. A copy of this press release is attached as Exhibit 99.1 and is hereby incorporated by reference.

The information included in this report on Form 8-K, including the exhibit, is furnished pursuant to Item 7.01 and shall not be deemed to be "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, or otherwise subject to the liabilities of that section.

ITEM 9.01 FINANCIAL STATEMENTS AND EXHIBITS

(c) EXHIBITS.

99.1 Press Release dated August 2, 2005.

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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: August 2, 2005

By /s/ Duane D. Deaner

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Duane D. Deaner  
Chief Financial Officer

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ENVIRONMENTAL TECTONICS CORPORATION ANNOUNCES REDEMPTION OF  
LONG-TERM BONDS

Southampton, PA-August 2, 2005-Environmental Tectonics Corporation (AMEX-ETC) ("ETC" or the "Company") today announced it redeemed all of its outstanding taxable variable rate demand/fixed rate revenue bonds due April 1, 2020 (the "Bonds"). The Bonds were originally issued March 15, 2000 to fund the Company's operations and to finance construction of an addition to the Company's main plant in Southampton, PA. To fund the redemption of the Bonds, which approximated \$4.1 million in principal and accrued interest, the Company utilized \$4.1 million in restricted cash that had been held as collateral by PNC Bank, National Association for the letter of credit, which secured the Bonds.

As of May 27, 2005, all deferred financing charges associated with the Bonds had been fully amortized to the Company's profit and loss statement.

ETC designs, develops, installs and maintains aircrew training systems, public entertainment systems, process simulation systems (sterilization and environmental), clinical hyperbaric systems, environmental testing and simulation systems, and related products for domestic and international customers.

This press release may include forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 as amended, and Section 21E of the Securities Exchange Act of 1934. We have based these forward-looking statements on our current expectations and projections about future events. These forward-looking statements are subject to known and unknown risks, uncertainties and assumptions about the Company that may cause our actual results, levels of activity, performance or achievements to be materially different from any other future results, levels of activity, performance or achievements expressed or implied by such forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as "may", "will", "should", "could", "would", "expect", "plan", "anticipate", "believe", "estimate", "continue", or the negative of such terms or similar expressions. Factors that might cause or contribute to such a discrepancy include, but are not limited to, contract cancellations, failure to obtain new contracts, political unrest in customer countries, unfavorable results in litigation, general economic conditions, and those issues identified from time to time in our Securities and Exchange Commission filings and other public documents, including, without limitation, our Annual Report on Form 10-K for the fiscal year ended February 25, 2005.

Contact: Duane D. Deaner, CFO TEL: 215-355-9100 (ext. 1203) FAX: 215-357-4000  
ETC - Internet Home Page: <http://www.etcusa.com>

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