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

                             SCHEDULE 13G

                 Under the Securities Exchange Act of 1934
                          (Amendment No. 1)*

                      ENVIRONMENTAL TECTONICS CORP.

                           (Name of Issuer)

          ENVIRONMENTAL TECTONICS CORP. COMMON STOCK PAR VALUE $0.10

                     (Title of Class of Securities)

                              294092101

                           (CUSIP Number)

*The remainder of this cover page shall be filled out for a reporting person's
initial filing on this form with respect to the subject class of securities, and
for any subsequent amendment containing information which would alter the
disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed
to be "filed" for the purpose of Section 18 of the Securities Exchange Act of
1934 ("Act") or otherwise subject to the liabilities of that section of the Act
but shall be subject to all other provisions of the Act (however, see the
Notes).

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1   Name of Reporting Person
                 S.S. or I.R.S. Identification No. of Above Person

                 Emerald Advisers, Inc.

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2                  Check the Appropriate Box if a Member of a Group*
                                                             (a) [ ]

                                                             (b) [ ]
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3                  SEC Use Only


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4                  Citizenship or Place of Organization

                   Pennsylvania
-----------------  ---------------------------------------------------------------
                              5        Sole Voting Power


                                       432,880
                              ----------  -------------------------------------
Number of Shares              6        Shared Voting Power
Beneficially
Owned by Each
Reporting Person
With                                   0
                              ----------  -------------------------------------
                              7        Sole Dispositive Power

                                       635,840
                              ----------  -------------------------------------
                              8        Shared Dispositive Power

                                       0
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9        Aggregate Amount Beneficially Owned by Each Reporting Person

         635,840
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10       Check Box if the Aggregate Amount in Row (9) Excludes Certain
         Shares*

----------  -------------------------------------------------------------------
11       Percent of Class Represented by Amount in Row 9
         9.3. %
----------  -------------------------------------------------------------------
12       Type of Reporting Person*
         IA
----------  -------------------------------------------------------------------

                   *SEE INSTRUCTION BEFORE FILLING OUT!
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SCHEDULE 13G
EMERALD ADVISERS, INC.

ITEM 1.

      (a) The name of the issuer is
          ENVIRONMENTAL TECTONICS CORPORATION

      (b) The address of issuer's principal executive offices is

COUNTY LINE INDUSTRIAL PARK
                    125 JAMES WAY
                    SOUTHAMPTON, PENNSYLVANIA 18966
ITEM 2.

          (a)   The name of the person filing is EMERALD ADVISERS, INC.

          (b)   The address of the principal office of the person filing is
                1857 WILLIAM PENN WAY, LANCASTER, PENNSYLVANIA 17601.

          (c)   The state of organization is PENNSYLVANIA.

          (d)   The title of class of security is common stock par value $0.10.

          (e)   The CUSIP number is 294092101.

ITEM 3.

          (e)   The person filing is an Investment Adviser registered under
                Section 203 of the Investment Advisers Act of 1940.

ITEM 4.

          (a)   The amount beneficially owned is 635,840 shares of common
                   stock.

          (b)   The percent of class is 9.3%.

          (c)(i)   The number of shares as to which Emerald Advisers, Inc. has
                   sole voting power is 432,880.

          (c)(ii) The number of shares as to which Emerald Advisers, Inc. has
                   shared voting power is 0.

          (c)(iii) The number of shares as to which Emerald Advisers, Inc. has
                   sole dispositive power is 635,840.

          (c)(iv) The number of shares as to which Emerald Advisers, Inc. holds
                   shared dispositive power is 0.

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SCHEDULE 13G
EMERALD ADVISERS, INC.

ITEM 5.

          Not applicable.

ITEM 6.

          Other persons have the right to receive and/or the power to direct the
          receipt of dividends from, and the proceeds from the sale of, such
          securities.

ITEM 7.

          Not applicable.

ITEM 8.

        Not applicable.

ITEM 9.

        Not applicable.

ITEM 10.

        By signing below I certify that, to the best of my knowledge and
belief, the securities referred to above were acquired in the ordinary course of
business and were not acquired for the purpose of and do not have the effect of
changing or influencing the control of the issuer of such securities and were
not acquired in connection with or as a participant in any transaction having
such purposes or effect.

<div align="center">SIGNATURE</div>

        After reasonable inquiry and to the best of my knowledge and belief, I
certify that the information set forth in this statement is true, complete and
correct.

                                        Date

                                        Signature

                                        Scott L. Rehr,
                                        Senior Vice President