## FORM 5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

| Machinaton  | $D \subset$ | 205/10 |
|-------------|-------------|--------|
| Washington, | D.C.        | 20549  |

## ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

|                       | OMB APPROVAL             |     |  |  |  |  |  |  |
|-----------------------|--------------------------|-----|--|--|--|--|--|--|
| OMB Number: 3235-0362 |                          |     |  |  |  |  |  |  |
| l                     | Estimated average burden |     |  |  |  |  |  |  |
| l                     | hours per response:      | 1.0 |  |  |  |  |  |  |

Form 3 Holdings Reported.

Instruction 1(b)

| Form 4                                                                                                                                       | Transactions R                                                        | eported.                                                    | File                                                        | ed pursuant to<br>or Sectior                                                 |                                                                             |                                                                    |          |                                                    | ities Excha<br>ompany Ac |                                                                                                     |                            |        |                                                                                                                                           |                                                                                                                   |                                                     |                                                                       |                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------|----------|----------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------|----------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------|
| 1. Name and Address of Reporting Person*  BLUM DAVID  (Last) (First) (Middle)                                                                |                                                                       |                                                             |                                                             | 2. Issuer Name and Ticker or Trading Symbol CECO ENVIRONMENTAL CORP [ CECE ] |                                                                             |                                                                    |          |                                                    | CECE (                   | 5. Relationship of Report<br>(Check all applicable)<br>Director<br>X Officer (give title<br>below)  |                            |        | 9                                                                                                                                         | 10%<br>Othe<br>belo                                                                                               | Owner<br>er (specify<br>w)                          |                                                                       |                                         |
| 3120 FORRER STREET                                                                                                                           |                                                                       |                                                             |                                                             | 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2006      |                                                                             |                                                                    |          |                                                    |                          | real)                                                                                               | Senior Vice PresidentSales |        |                                                                                                                                           |                                                                                                                   |                                                     |                                                                       |                                         |
| (Street) CINCINN (City)                                                                                                                      |                                                                       |                                                             | 5209<br>Zip)                                                | 4. If Amen                                                                   | 4. If Amendment, Date of Original Filed (Month/Day/Year)                    |                                                                    |          |                                                    |                          |                                                                                                     |                            | ine)   | Individual or Joint/Group Filing (Check Applicable ne)  X Form filed by One Reporting Person Form filed by More than One Reporting Person |                                                                                                                   |                                                     |                                                                       |                                         |
| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned                                                             |                                                                       |                                                             |                                                             |                                                                              |                                                                             |                                                                    |          |                                                    |                          |                                                                                                     |                            |        |                                                                                                                                           |                                                                                                                   |                                                     |                                                                       |                                         |
| 1. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/Year)                                                                        |                                                                       | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) |                                                             | Code (Instr.                                                                 |                                                                             | 4. Securities Acquired (A) or Dispos<br>Of (D) (Instr. 3, 4 and 5) |          |                                                    | or Disposed              | Securiti<br>Benefic                                                                                 |                            | ies Ow |                                                                                                                                           |                                                                                                                   | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership |                                                                       |                                         |
|                                                                                                                                              |                                                                       |                                                             |                                                             |                                                                              |                                                                             |                                                                    | Amount ( |                                                    | (A) or<br>(D)            | Price                                                                                               |                            |        |                                                                                                                                           |                                                                                                                   | ect (I)<br>r. 4)                                    | (Instr. 4)                                                            |                                         |
| Common Stock 07/12/                                                                                                                          |                                                                       |                                                             | 07/12/2006                                                  | G                                                                            |                                                                             | j                                                                  | 1,       | ,238                                               | D                        | D \$0                                                                                               |                            | 10,000 |                                                                                                                                           |                                                                                                                   | D                                                   |                                                                       |                                         |
| Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |                                                                       |                                                             |                                                             |                                                                              |                                                                             |                                                                    |          |                                                    |                          |                                                                                                     |                            |        |                                                                                                                                           |                                                                                                                   |                                                     |                                                                       |                                         |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)                                                                                          | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year)                  | 3A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 4.<br>Transaction<br>Code (Instr.<br>8)                                      | of<br>Deriv<br>Secu<br>Acqu<br>(A) or<br>Dispo<br>of (D)<br>(Instr<br>and 5 | ivative (Monti surities puired or posed D) str. 3, 4 (5)           |          | ation Date th/Day/Year) Amc Sect Und Deri Sect and |                          | 7. Title and<br>Amount of<br>Securities<br>Underlying<br>Derivative<br>Security (Instr. 3<br>and 4) |                            | t      |                                                                                                                                           | 9. Number<br>derivative<br>Securities<br>Beneficial<br>Owned<br>Following<br>Reported<br>Transactio<br>(Instr. 4) | s<br>Illy                                           | 10.<br>Ownershi<br>Form:<br>Direct (D)<br>or Indirec<br>(I) (Instr. 4 | Beneficial<br>Ownership<br>t (Instr. 4) |

Explanation of Responses:

David Blum

03/07/2007

Date

\*\* Signature of Reporting Person

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.