

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| OMB APPROVAL | |
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| OMB Number: | 3235-0287 |
| Estimated average burden hours per response: | 0.5 |

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|---|--|--|
| 1. Name and Address of Reporting Person* <u>DEZWIREK PHILLIP</u> (Last) (First) (Middle) <u>2300 YONGE STREET, SUITE 1710</u> (Street) <u>TORONTO A6 M4P 1E4</u> (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>CECO ENVIRONMENTAL CORP [CECE]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) <p style="text-align: center;">Chairman</p> |
| | 3. Date of Earliest Transaction (Month/Day/Year) <u>09/03/2008</u> | |
| | 4. If Amendment, Date of Original Filed (Month/Day/Year) <u>09/05/2008</u> | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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 Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|-----------------------|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Stock | 09/03/2008 | | P | | 17,000 | A | \$4.79 ⁽¹⁾ | 248,614 | D | |
| Common Stock | 09/04/2008 | | P | | 13,600 | A | \$5.06 ⁽²⁾ | 262,214 ⁽³⁾ | D | |
| Common Stock | | | | | | | | 940,596 ⁽³⁾ | I | By Icarus Investment Corp. ⁽⁴⁾ |
| Common Stock | | | | | | | | 4,700 | I | By Retirement Account of spouse |

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|--|--|---|--|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | | | | | |

Explanation of Responses:

- The price reported in column 4 is a weighted average price. These shares were purchased in multiple transactions at prices ranging from \$4.72 to \$4.82, inclusive. The reporting person undertakes to provide to CECO Environmental Corp., any security holder of CECO Environmental Corp., or the staff of the Securities Exchange Commission, upon request, full information regarding the number of shares sold or purchased, as applicable, at each separate price within the ranges set forth in footnotes 1 and 2 in this Form 4.
- The price reported in Column 4 is a weighted average price. These shares were purchased in multiple transactions at prices ranging from \$4.93 to \$5.23, inclusive.
- Represents amount of such securities owned prior to transactions being reported on a Form 5.
- Filer is President of Icarus Investment Corp. and disclaims beneficial ownership of these securities except to the extent of his pecuniary interest, if any, therein.

Remarks:

This Form 4/A is being filed to correct all of the amounts and prices of the securities purchased from those reported on the original Form 4.

/s/ Phillip DeZwirek 05/31/2011
 ** Signature of Reporting Person Date

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

* 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.