FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

| OMB APPROVAL             |     |  |  |  |  |  |  |
|--------------------------|-----|--|--|--|--|--|--|
| OMB Number: 3235-028     |     |  |  |  |  |  |  |
| Estimated average burden |     |  |  |  |  |  |  |
| hours per response:      | 0.5 |  |  |  |  |  |  |

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

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

| 1. Name and Address of Reporting Person*  Naccarato Ben  (First) (Middle)        |                                                                                                                                              |                                                      |              |  |                                                             |   | 2. Issuer Name and Ticker or Trading Symbol PERMA FIX ENVIRONMENTAL SERVICES INC [ PESI ] |                                              |                                                                |   |                   |                                                                                  |             |                                                                                                                                        |                                                                  | teporting Person(s) to Issuer te) 10% O tive title Other ( below)                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                        |                                                                    |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------|--|-------------------------------------------------------------|---|-------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------|---|-------------------|----------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------|
| (Last) (First) (Middle)<br>8302 DUNWOODY PLACE #250                              |                                                                                                                                              |                                                      |              |  | 3. Date of Earliest Transaction (Month/Day/Year) 12/14/2022 |   |                                                                                           |                                              |                                                                |   |                   |                                                                                  |             | below) below)  Chief Financial Officer                                                                                                 |                                                                  |                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                          |                                                                    |
| (Street) ATLANTA, (City)                                                         | GA (State)                                                                                                                                   |                                                      | 0350<br>(ip) |  | 4. If Amendment, Date of Original Filed (Month/Day/Year)    |   |                                                                                           |                                              |                                                                |   |                   |                                                                                  | 6. Indiv    | lividual or Joint/Group Filing (Check Applicable Line) 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. Transpare (Month)                            |                                                                                                                                              |                                                      |              |  |                                                             |   | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year)                               |                                              | 3.<br>Transaction<br>Code (Instr.<br>8)                        |   |                   |                                                                                  |             |                                                                                                                                        | 5. Amount<br>Securities<br>Beneficial<br>Following<br>Transactic |                                                                                                  | Form                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | nership<br>: Direct (D)<br>direct (I)<br>: 4)                            | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4)  |
|                                                                                  |                                                                                                                                              |                                                      |              |  |                                                             |   |                                                                                           |                                              | Code                                                           | v | Amount (A) or (D) |                                                                                  | Price       | (Instr. 3 and 4)                                                                                                                       |                                                                  |                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (mstr. 4)                                                                |                                                                    |
| Common Stock 12/1                                                                |                                                                                                                                              |                                                      |              |  | 14/2022                                                     |   | P                                                                                         |                                              | 575 A                                                          |   | \$3.47            | 4,393                                                                            |             |                                                                                                                                        | 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 (Instr.<br>3)                              | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security                                                                        | Conversion Date (Month/Day/Year) Price of Derivative |              |  | Transaction Code (Instr.                                    |   | 5. Num<br>Derivat<br>Securit<br>Acquire<br>or Disp<br>of (D) (<br>4 and 5                 | tive<br>ties<br>ed (A)<br>oosed<br>Instr. 3, | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |   |                   | 7. Title and Amount<br>Securities Underlyin<br>Derivative Security (<br>3 and 4) |             | rlying                                                                                                                                 | 8. Price of<br>Derivative<br>Security<br>(Instr. 5)              | 9. Numbe<br>derivative<br>Securities<br>Beneficia<br>Owned<br>Following<br>Reported<br>Transacti | e Over State of State | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|                                                                                  |                                                                                                                                              |                                                      |              |  | ode                                                         | v | (A)                                                                                       | (D)                                          | Date<br>Exercisat                                              |   | xpiration<br>ate  | Title                                                                            |             | Amount<br>or<br>Number<br>of Shares                                                                                                    | (Instr.                                                          |                                                                                                  | ion(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                          |                                                                    |
| Stock Option                                                                     | \$3.65                                                                                                                                       |                                                      |              |  |                                                             |   |                                                                                           |                                              | (1)                                                            | 0 | 7/27/2023         |                                                                                  | nmon<br>ock | 50,000                                                                                                                                 |                                                                  | 50,00                                                                                            | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | D                                                                        |                                                                    |
| Stock Option                                                                     | \$3.15                                                                                                                                       |                                                      |              |  |                                                             |   |                                                                                           |                                              | (2)                                                            | 0 | 1/17/2025         |                                                                                  | nmon<br>ock | 15,000                                                                                                                                 |                                                                  | 15,00                                                                                            | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | D                                                                        |                                                                    |
| Stock Option                                                                     | \$7.005                                                                                                                                      |                                                      |              |  |                                                             |   |                                                                                           |                                              | (3)                                                            | 1 | 0/14/2027         |                                                                                  | nmon<br>ock | 25,000                                                                                                                                 |                                                                  | 25,00                                                                                            | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | D                                                                        |                                                                    |

## Explanation of Responses:

- 1. Incentive Stock Option granted 07/27/2017 under the Company's 2017 Stock Option Plan. The Option is for a 6 year period and vests over a 5 year period, at 1/5 increment per year.
- 2. Incentive Stock Option granted 01/17/2019 under the Company's 2017 Stock Option Plan. The Option is for a 6 year period and vests over a 5 year period, at 1/5 increment per year.
- 3. Incentive Stock Option granted 10/14/2021 under the Company's 2017 Stock Option Plan. The Option is for a 6 year period and vests over a 5 year period, at 1/5 increment per year.

/s/ Ben Naccarato <u>12/14/2022</u>

\*\* Signature of Reporting Person

Date

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.