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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

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

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| 1. Name and Address of Reporting Person * <u>ZWECKER MARK A</u> (Last) (First) (Middle) 8302 DUNWOODY PLACE, SUITE 250 (Street) ATLANTA, GA 30350 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>PERMA FIX ENVIRONMENTAL SERVICES INC [PESI]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below) |
| | 3. Date of Earliest Transaction (Month/Day/Year) 04/03/2023 | |
| | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 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 |
| | Rule 10b5-1(c) Transaction Indication <input type="checkbox"/> Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10. | |

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 | 04/03/2023 | | A | | 1,379 | A | \$8.835 | 217,572 | D | | |

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 | Title | Amount or Number of Shares | | | | |
| Stock Option (Right to Buy) | \$2.785 | | | | | | | (1) | 09/12/2023 | Common Stock | 2,400 | | 2,400 | D | |
| Stock Option (Right to Buy) | \$3.7 | | | | | | | (2) | 09/18/2024 | Common Stock | 2,400 | | 2,400 | D | |
| Stock Option (Right to Buy) | \$4.19 | | | | | | | (3) | 09/17/2025 | Common Stock | 2,400 | | 2,400 | D | |
| Stock Option (Right to Buy) | \$4.6 | | | | | | | (4) | 07/28/2026 | Common Stock | 2,400 | | 2,400 | D | |
| Stock Option (Right to Buy) | \$3.55 | | | | | | | (5) | 07/27/2027 | Common Stock | 2,400 | | 2,400 | D | |
| Stock Option (Right to Buy) | \$4.3 | | | | | | | (6) | 07/26/2028 | Common Stock | 2,400 | | 2,400 | D | |
| Stock Option (Right to Buy) | \$3.31 | | | | | | | (7) | 07/25/2029 | Common Stock | 2,400 | | 2,400 | D | |
| Stock Option (Right to Buy) | \$6.7 | | | | | | | (8) | 07/22/2030 | Common Stock | 2,400 | | 2,400 | D | |
| Stock Option (Right to Buy) | \$5.93 | | | | | | | (9) | 07/20/2031 | Common Stock | 10,000 | | 10,000 | D | |
| Stock Option (Right to Buy) | \$7.05 | | | | | | | (10) | 07/21/2032 | Common Stock | 10,000 | | 10,000 | D | |

Explanation of Responses:

- Non-Qualified Stock Option granted 09/12/2013 under the Company's 2003 Outside Directors Stock Plan. The Option vests fully six months from date of grant.
- Non-Qualified Stock Option granted 09/18/2014 under the Company's 2003 Outside Directors Stock Plan. The Option vests fully six months from date of grant.
- Non-Qualified Stock Option granted 09/17/2015 under the Company's 2003 Outside Directors Stock Plan. The Option vests fully six months from date of grant.
- Non-Qualified Stock Option granted 07/28/2016 under the Company's 2003 Outside Directors Stock Plan. The Option vests fully six months from date of grant.
- Non-Qualified Stock Option granted 07/27/2017 under the Company's 2003 Outside Directors Stock Plan. The Option vests fully six months from date of grant.
- Non-Qualified Stock Option granted 07/26/2018 under the Company's 2003 Outside Directors Stock Plan. The Option vests fully six months from date of grant.
- Non-Qualified Stock Option granted 07/25/2019 under the Company's 2003 Outside Directors Stock Plan. The Option vests fully six months from date of grant.
- Non-Qualified Stock Option granted 07/22/2020 under the Company's 2003 Outside Directors Stock Plan. The Option vests fully six months from date of grant.
- Non-Qualified Stock Option granted 07/20/2021 under the Company's 2003 Outside Directors Stock Plan. The Option vests over a four year period, at 1/4 increment per year.
- Non-Qualified Stock Option granted 07/21/2022 under the Company's 2003 Outside Directors Stock Plan. The Option vests over a four year period, at 1/4 increment per year.

/s/ Mark Zwecker

04/04/2023

** Signature of Reporting Person

Date

* 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.

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