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

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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 OF SECURITIES

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

| (Print or Type Responses) 1. Name and Address of Reporting Person * Duff Mark | | | | 2. Issuer Name and Ticker or Trading Symbol PERMA FIX ENVIRONMENTAL SERVICES INC [pesi] | | | | | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director Officer (give title below) Other (specify below) President and CEO | | | | | | |
|---|---|--|--|---|-------|--|--|--|--|--|---|---|---|--|---|--|--|
| (Last) (First) (Middle) 8302 DUNWOODY PLACE, SUITE 250 | | | | 3. Date of Earliest Transaction (Month/Day/Year) 12/17/2021 | | | | | | | President and CEO | | | | | | |
| (Street) ATLANTA, GA 30350 | | | | 4. If Amendment, Date Original Filed(Month/Day/Year) | | | | | | | /Year) | | Individual or Joint/Group Filing(Check Applicable Line) _X_Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | |
| (City) (State) (Zip) | | | (Zip) | Table I - Non-Derivative Securities Acqu | | | | | | | Securiti | es Acquir | dired, Disposed of, or Beneficially Owned | | | | |
| (Instr. 3) | | 2. Transaction Date (Month/Day/Year) | Execution | xecution Date, if | | Cod (Inst | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | l of (D) (5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | | Form: | 7. Nature of Indirect Beneficial Ownership | | |
| | | | | | С | ode | V | Amount | (A) or (D) | Price | | | | or Indirect (Ins (I) (Instr. 4) | (Instr. 4) | | |
| Common | Stock | | 12/17/2021 | | | | | P | | 1,000 | A | \$ 6.57 | 19,321 | | | D | |
| Common | Stock | | 12/17/2021 | | | | | P | | 37 | A | \$ 6.52 | 19,358 | | | D | |
| Common | Stock | | 12/20/2021 | | | | | P | | 600 | A | \$ 6.50 | 19,958 | | | D | |
| Reminder: | Report on a s | separate line for each | n class of securities l | beneficia | lly o | wned o | direct | Pe in | erso this | ns who form a | re not | required | collection to respond MB control | unless th | | ned SEC | 1474 (9-02 |
| Reminder: | Report on a s | separate line for each | n class of securities b | beneficia | lly o | wned o | direct | ly or ind | lirect | y. | | | | | | | |
| 1. Title of | 2. Conversion or Exercise Price of | 3. Transaction | Table II - 3A. Deemed Execution Date, if | Derivati (e.g., put 4. Transac Code | ive S | 5. Numb of | ies Acarran | Pe in discognired, ts, option | erson this spla , Disp ons, c | ns who form and ys a cumposed of, onvertible reisable and | re not i rrently , or Ben ole secu | required valid Of neficially (prities) | to respond MB control Owned and Amount ying | unless th number. | 9. Number of Derivative Securities Beneficially | of 10. Owners Form of Derivat | 11. Na of Indi f Benefi ive Owner |
| Title of Derivative Security | 2. Conversion or Exercise | 3. Transaction Date | Table II - 3A. Deemed Execution Date, if | Derivati (e.g., put 4. Transac Code | ive S | ecuritialls, was | ies Acarran per ative ities ired r osed) | Pe in discognired, ts, optio 6. Date Expirat | erson this spla , Disp ons, c | ns who form and ys a cumposed of, onvertible reisable and | re not i rrently , or Ben ole secu | required valid Of neficially (nrities) 7. Title ar of Underl Securities | to respond MB control Owned and Amount ying | 8. Price of Derivative Security | 9. Number of Derivative Securities | of 10. Owners Form of Derivat Security Direct (or Indir | 11. Na of Indi f ive Herricological Service Owner (Instr.) |
| Title of Derivative Security | 2. Conversion or Exercise Price of Derivative | 3. Transaction Date | Table II - 3A. Deemed Execution Date, if | Derivati (e.g., put 4. Transac Code | ive S | 5. Numbof Deriv Secur Acqu (A) on Dispc of (D) (Instr 4, and | peer active rities ired r sssed) . 3, 15) | Pe in discognired, ts, optio 6. Date Expirat | erson this sspla , Disp Exertion I | ns who form an | re not a rrently, or Benole secu | required valid Of neficially (nrities) 7. Title ar of Underl Securities | to respond MB control Owned and Amount ying | 8. Price of Derivative Security | 9. Number of Derivative Securities Beneficially Owned Following Reported Transaction | of 10. Owners Form of Derivat Security Direct (or Indir (s) (I) | 11. Na of Indi f ive Herricological Service Owner (Instr.) |
| Title of Derivative Security | 2. Conversion or Exercise Price of Derivative | 3. Transaction Date | Table II - 3A. Deemed Execution Date, if | Derivati (e.g., put 4. Transac Code (Instr. 8 | tion | 5. Numbof Deriv Secur Acqu (A) on Dispc of (D) (Instr 4, and | peer active rities ired r sssed) . 3, 15) | Pein discoursed to the control of th | ersoi this spla , Displa , Displans, c Exer Exer Exer My Day | ns who form an | re not irrently , or Ben ple secu | required valid Of meficially (rrities) 7. Title ar of Underl Securities (Instr. 3 a | Amount or Number of Shares | 8. Price of Derivative Security | 9. Number of Derivative Securities Beneficially Owned Following Reported Transaction | of Owners Form of Derivat Security Direct (or Indir (s) (Instr. 4 | 11. Na of Indi f ive Herricological Service Owner (Instr.) |
| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date | Table II - 3A. Deemed Execution Date, if | Derivati (e.g., put 4. Transac Code (Instr. 8 | tion | 5. Numbof Deriv Secur Acqu (A) on Dispc of (D) (Instr 4, and | peer active rities ired r sssed) . 3, 15) | Pein die cquired, ts, optio 6. Date Expirat (Month | ersoo thisspla , Displan, c Exertion I h/Day | ns who form anys a curve ossed of, onvertible actions and the curve of | or Benole seculand | required valid Of valid Of valid Of valid Of varities) 7. Title are off Underl Securities (Instr. 3 a | Amount or Number of Shares | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4) | of Owners Form of Derivat Security Direct (or Indir (s) (Instr. 4 | 11. Na of Indi f ive Herricological Service Owner (Instr.) |
| 1. Title of Derivative Security (Instr. 3) Stock Option | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date | Table II - 3A. Deemed Execution Date, if | Derivati (e.g., put 4. Transac Code (Instr. 8 | tion | 5. Numbof Deriv Secur Acqu (A) on Dispc of (D) (Instr 4, and | peer active rities ired r sssed) . 3, 15) | Pein discoursed to the control of th | ersoon this splan , Displan , Displan , Displan , Displan , Carlotte | ns who form an anys a cumposed of, onvertibe cisable a content of the cisable and the cisable | or Bendle seculand | required valid Of valid Of valid Of valid Of valid Of varities) 7. Title ar of Underl Securities (Instr. 3 a Title Commo Stock Commo | Amount or Number of Shares on 100,000 | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4) | of lo. Owners Form of Derivat Security Direct (or Indir (I) (Instr. 4 | 11. Na of Indi f ive Herricological Service Owner (Instr.) |

Reporting Owners

| | Relationships | | | | | | |
|------------------------|---------------|--------------|---------|-------|--|--|--|
| Reporting Owner Name / | Director | 10% Owner | Officer | Other | | | |
| Address | | | | | | | |

| Duff Mark 8302 DUNWOODY PLACE | | President and CEO | |
|----------------------------------|--|-------------------|---|
| SUITE 250 | | | |
| ATLANTA, GA 30350 | | | ĺ |

Signatures

| /s/Mark Duff | 12/20/2021 |
|---------------------------------|------------|
| **Signature of Reporting Person | Date |

Explanation of Responses:

- * 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).
- (1) Incentive Stock Option granted 05/15/2016 under the Company's 2010 Stock Option Plan. The Option is for a six year period and vests over a three year period, at 1/3 increment per year.
- (2) Incentive Stock Option granted 07/27/2017 under the Company's 2017 Stock Option Plan. The Option is for a six year period and vests over a five year period, at 1/5 increment per year.
- (3) Incentive Stock Option granted 01/17/2019 under the Company's 2017 Stock Option Plan. The Option is for a six year period and vests over a five year period, at 1/5 increment per year.
- (4) Incentive Stock Option granted 10/14/2021 under the Company's 2017 Stock Option Plan. The Option is for a six year period and vests over a five year period, at 1/5 increment per year.

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

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