

| OMB APPROVAL | |
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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

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|---|---|--|
| 1. Name and Address of Reporting Person* <u>Troendle August J.</u> (Last) (First) (Middle) C/O MEDPACE HOLDINGS, INC. 5375 MEDPACE WAY (Street) CINCINNATI OH 45227 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>Medpace Holdings, Inc. [MEDP]</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) Other (specify below) CEO |
| | 3. Date of Earliest Transaction (Month/Day/Year) 09/20/2023 | |
| | 4. If Amendment, Date of Original Filed (Month/Day/Year) | |

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 | 09/20/2023 | | s ⁽¹⁾ | | 65,653 | D | \$255.48 ⁽²⁾ | 5,976,602 | I | By Medpace Investors, LLC ⁽³⁾ |
| Common Stock | 09/21/2023 | | s ⁽¹⁾ | | 61,655 | D | \$244.27 ⁽⁴⁾ | 5,914,947 | I | By Medpace Investors, LLC ⁽³⁾ |
| Common Stock | | | | | | | | 806,643 | 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 | | | | | |

Explanation of Responses:

- The sales reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by Medpace Investors, LLC ("MPI") on May 1 2023.
- The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$253.07 to \$257.935. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission upon request.
- The Reporting Person is the sole manager and controlling unit holder of MPI and has sole voting and investment control with respect to the securities held by MPI. The Reporting Person may be deemed to indirectly beneficially own the securities of the Issuer held by MPI but disclaims beneficial ownership of such securities except to the extent of his pecuniary interest therein.
- The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$239.77 to \$251.58. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission upon request.

/s/ Stephen P. Ewald,
Attorney-in-Fact for August J. Troendle
Troendle

** 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.