

ENTERPRISE PRODUCTS PARTNERS L P
 Form 4
 February 25, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL
 OMB Number: 3235-0287
 Expires: January 31, 2005
 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 OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 KNESEK MICHAEL J

2. Issuer Name and Ticker or Trading Symbol
 ENTERPRISE PRODUCTS PARTNERS L P [EPD]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
 1100 LOUISIANA STREET, SUITE 1000

3. Date of Earliest Transaction (Month/Day/Year)
 02/23/2010

___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 SVP, PAO, & Controller

(Street)
 HOUSTON, TX 77002

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

(City) (State) (Zip)

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) | |
|---|--------------------------------------|--|--------------------------------|---|---|--|---|------------------|
| | | | | (A) or (D) | Price | | | |
| | | | | Code | V | Amount | | |
| Common Units Representing Limited Partnership Interests | 02/23/2010 | | A ⁽¹⁾ | 12,500 | A | \$ 0 | 64,644 | D |
| Common Units Representing Limited Partnership | | | | | | | 739.04 | I ⁽²⁾ |
| | | | | | | | | By spouse |

Interests

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

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 control number.

SEC 1474
(9-02)

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 Underlying Security (Instr. 3 and 4) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Employee Unit Option-Right To Buy | \$ 32.27 | 02/23/2010 | | A | 30,000 | 02/23/2014 12/31/2015 | Common Units | 30,000 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| KNESEK MICHAEL J 1100 LOUISIANA STREET SUITE 1000 HOUSTON, TX 77002 | | | SVP, PAO, & Controller | |

Signatures

/s/Wendi S. Bickett, Attorney-in-Fact on behalf of Michael J. Knesek 02/25/2010

__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) Includes Common Units granted to the Reporting Person that have restricted vesting dates and are subject to forfeiture.

All of these Common Units were acquired by the Reporting Person's spouse in the issuer's Employee Unit Purchase Plan and Distribution

(2) Reinvestment Plan. The Reporting Person disclaims any beneficial ownership of these securities, and this report shall not be deemed an admission that the Reporting Person is the beneficial owner of these securities for purposes of Section 16 or for any other purpose.

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(3) The power of attorney under which this form was signed is attached.

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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