Washington, D.C. 20549

Enterprise GP Holdings L.P.

Form 4

March 28, 2006

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL

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Section 16.

Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 5 obligations may continue. See Instruction

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(b).

Limited

Units

Partnership Interests

Representing

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **DUNCAN DAN L** Issuer Symbol Enterprise GP Holdings L.P. [EPE] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director _X__ 10% Owner X__ Officer (give title __X__ Other (specify 2727 NORTH LOOP WEST 03/24/2006 below) below) Chairman / Officer & Dir. of Subsidiary (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) Form filed by One Reporting Person X_ Form filed by More than One Reporting HOUSTON, TX 77008 Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired (A) 5. Amount of 7. Nature Security (Month/Day/Year) Execution Date, if Transaction Disposed of (D) Securities Ownership of Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) Owned Direct (D) Ownership (Instr. 8) or Indirect Following (Instr. 4) Reported (A) Transaction(s) (Instr. 4) (Instr. 3 and 4) Code V Amount (D) Price Units Representing By I (1) Limited P 6,000 49,400 03/24/2006 **EPCO** Partnership Interests Units Representing

By DFI

By 2000 Trust

 $I^{(2)}$

 $I^{(3)}$

71,119,631

233,271

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Limited Partnership Interests

Units

Representing Limited

Partnership Interests

Units

Representing Limited

Partnership Interests

1,821,428

3,726,273

I (4)

I (5)

By EPE

Unit

By

Duncan

8. Prio Deriv Secur (Instr.

LLC

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

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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. Transacti Code (Instr. 8)	5. orNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,	•	e	7. Title of Unde Securiti (Instr. 3	es
Class B				Code V	4, and 5) (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Ltd Ptner Interests in EPE Unit L.PObl	\$ 28					08/23/2010	08/23/2010	Units	1,821,428 (6)

Reporting Owners

to Delive

(6)

Reporting Owner Name / Address

Relationships

Reporting Owners 2

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	Director	10% Owner	Officer	Other
DUNCAN DAN L 2727 NORTH LOOP WEST HOUSTON, TX 77008	X	X	Chairman	Officer & Dir. of Subsidiary
EPCO, Inc. 2707 NORTH LOOP WEST HOUSTON, TX 77008		X		General Partner of EPE Unit LP

Signatures

William L. Soula, Attorney in Fact for Dan L. Duncan and Assistant Secretary of EPCO, Inc.

03/28/2006

**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) These Units are owned by EPCO, Inc. ("EPCO"). Dan L. Duncan owns 50.427% of the voting stock of EPCO.
- (2) These Units are owned by Duncan Family Interests, Inc. ("DFI"), an indirect, wholly-owned subsidiary of EPCO.
- (3) These Units are owned by the Duncan Family 2000 Trust (the "2000 Trust") of which EPCO is the grantor.
- (4) These Units are owned by EPE Unit, a limited partnership established for the benefit of certain EPCO employees who are its Class B limited partners. DFI is the sole Class A limited partner and EPCO is the general partner of EPE Unit.
- (5) These Units are owned by Duncan LLC. Dan L. Duncan is the sole member of Duncan LLC.
 - EPE Unit owns 1,821,428 Units (reported in Table I). On August 23, 2010, EPE Unit will be liquidated and will distribute to the Class B
- (6) Limited Partners a total number of Units equal to approximately 1,821,428 minus the quotient of \$51,000,000 divided by the market price (as defined) of the Units on August 23, 2010. The remaining Units will be distributed to DFI as the Class A Limited Partner.
- (7) The power of attorney under which this form was signed is on file with the Commission.

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.

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