

INITIAL STATEMENT OF 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

| OMB APPROVAL | |
|--|-----------|
| OMB Number: | 3235-0104 |
| Estimated average burden hours per response: | 0.5 |

| | | | |
|--|---|---|--|
| 1. Name and Address of Reporting Person* <u>Nix Rudy A</u> <hr/> (Last) (First) (Middle) 2727 NORTH LOOP WEST <hr/> (Street) HOUSTON TX 77008 <hr/> (City) (State) (Zip) | 2. Date of Event Requiring Statement (Month/Day/Year) 08/22/2005 | 3. Issuer Name and Ticker or Trading Symbol <u>Enterprise GP Holdings L.P. [EPE]</u> | |
| | | 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director _____ 10% Owner _____ Officer (give title below) <u>X</u> Other (specify below) Officer of Subsidiary | 5. If Amendment, Date of Original Filed (Month/Day/Year) |
| 6. Individual or Joint/Group Filing (Check Applicable Line) <u>X</u> Form filed by One Reporting Person Form filed by More than One Reporting Person | | | |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
|---------------------------------|---|--|---|

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|-----------------|---|--|--|---|
| | Date Exercisable | Expiration Date | | | | |

Explanation of Responses:

Remarks:

No securities are beneficially owned.

John E. Smith, Attorney in Fact, on behalf of 08/22/2005
Rudy A. Nix

** 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 5 (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.

KNOW ALL PERSONS BY THIS DOCUMENT: That Rudy A. Nix has made, constituted, and appointed, and by this document does make, constitute, and appoint RICHARD H.

/s/ Richard H. Bachmann

Richard H. Bachmann, Attorney-in-Fact

/s/ Michael A. Creel

Michael A. Creel, Attorney-in-Fact

/s/ John E. Smith

John E. Smith, Attorney-in-Fact

or any of them, signing singly, its true and lawful attorney-in-fact, and in its name, place, and stead to:

1. Execute, deliver and file on behalf of the undersigned, in the undersigned's capacity as an officer of EPE Holdings, LLC, the sole general partner of Enterprise (
2. Do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4 or 5 and time!
3. Take any other action of any type whatsoever in connection with or in furtherance of the matters described in paragraphs 1 and 2 above which in the opinion of it

Giving and granting to each such attorney-in-fact full power and authority to do and perform every act necessary and proper to be done in the exercise of the

This Power of Attorney shall remain in effect until the undersigned is no longer required to file Forms 3, 4 and 5 with respect to the undersigned's holdings

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 11th day of August, 2005.

/s/ Rudy A. Nix

Rudy A. Nix