

Buckeye GP Holdings L.P.  
 Form 3  
 June 21, 2010

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

OMB Number: 3235-0104  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

**INITIAL STATEMENT OF 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 *			2. Date of Event Requiring Statement		3. Issuer Name and Ticker or Trading Symbol	
Â BUCKEYE PARTNERS, L.P.			(Month/Day/Year)		Buckeye GP Holdings L.P. [BGH]	
(Last)	(First)	(Middle)	06/10/2010		4. Relationship of Reporting Person(s) to Issuer	
ONE GREENWAY PLAZA, SUITE 600					5. If Amendment, Date Original Filed(Month/Day/Year)	
(Street)					(Check all applicable)	
HOUSTON, TX 77046					6. Individual or Joint/Group Filing(Check Applicable Line)	
(City)	(State)	(Zip)			<input type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person	

Director     10% Owner  
 Officer     Other  
 (give title below)    (specify below)

**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)
------------------------------------	--	---	--

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

**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.**

**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 of Derivative Security: Direct (D) or Indirect (I)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable    Expiration Date	Title    Amount or Number of Shares			

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BUCKEYE PARTNERS, L.P. ONE GREENWAY PLAZA, SUITE 600 HOUSTON, TX 77046	^	^ X	^	^
BUCKEYE GP LLC ONE GREENWAY PLAZA, SUITE 600 HOUSTON, TX 77046	^	^ X	^	^

## Signatures

Buckeye Partners, L.P. By: Buckeye GP LLC, /s/ William H. Schmidt, Jr., Vice President,  
General Counsel and Secretary

06/21/2010

Signature of Reporting Person

Date

## Explanation of Responses:

### No securities are beneficially owned

\* 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).

^

### Remarks:

None of the reporting persons has a pecuniary interest in any securities issued of the Issuer and the Issuer for the purposes of Table I or Table II. The reporting persons are jointly filing the joint filer is set forth on subsequent Exhibit 99 to this Form 3.

### Exhibit 99: Joint Filer Information

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.