FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

OMB APPROVAL OMB Number: 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).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* ARMSTRONG GREG L					PI	2. Issuer Name and Ticker or Trading Symbol PLAINS ALL AMERICAN PIPELINE LP PAA]									eck all app X Direc	icable)	ng Pers	son(s) to Issu 10% Ow Other (s	ner
(Last) 333 CLA	(Fi AY STREET	(First) (Middle) ET, # 1600				3. Date of Earliest Transaction (Month/Day/Year) 08/13/2004									^ below	below) Chairman of the B			
(Street) HOUST(77002 (Zip)		4. 1	f Ame	ndme	nt, Date o	of Origin	al Filed	d (Month/D	ay/Year)	Line	e) <mark>X</mark> Form	filed by On	e Repo	(Check Apporting Persor	ı
(- 9)			ole I - Noi	n-Deri	vativ	e Se	curit	ies Ac	quirec	, Dis	sposed o	of, or	Ben	eficial	ly Owne	d			
1. Title of Security (Instr. 3)		Date	saction n/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Disposed Of (I Code (Instr. 5)			es Acquired (A) or Of (D) (Instr. 3, 4 and		Securit Benefic Owned	5. Amount of Securities Beneficially Owned Following		n: Direct r Indirect istr. 4)	7. Nature of Indirect Beneficial Ownership			
									Code	v	Amount	(A) or D)	Price	Transa	Reported Transaction(s) (Instr. 3 and 4)			(Instr. 4)
Common	Common Units		08/1	13/2004				М		17,50	00	A	(1)	18	182,871		D		
Common	Units			05/0)4/200	4			F		6,37	9	D	(1)	17	5,492		D	
		-	Table II -								osed of converti				Owned				
Derivative Conversion Date		3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year		4. Transaction Code (Instr. 8)				6. Date Exercisable an Expiration Date (Month/Day/Year)		e	7. Title and Amou of Securities Underlying Derivative Securit (Instr. 3 and 4)		s Security	8. Price of Derivative Security (Instr. 5)		e s ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercis		Expiration Date	Title		Amount or Number of Shares					
Phantom Units - 1998 Long- Term Incentive	(1)	08/13/2004			M			17,500	(2)		(3)	Comr Uni		17,500	(4)	17,50	00	D	

Explanation of Responses:

- ${\bf 1.\ 1-for\text{-}1\ Common\ Units\ for\ Phantom\ Units\ granted\ under\ long\text{-}term\ incentive\ plan.}$
- 2. Additional future vesting of 17,500 units subject to additional requirement of distribution threshold @ \$2.50 annualized.
- 3. Date of Reporting Person's termination w/issuer or its affiliates.
- 4 N/A

Remarks:

Greg L.Armstrong

08/13/2004

** 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.