

ARMSTRONG GREG L

Form 4

May 17, 2012

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

OMB APPROVAL

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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 SECURITIESFiled 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 *
ARMSTRONG GREG L2. Issuer Name and Ticker or Trading Symbol
PLAINS ALL AMERICAN
PIPELINE LP [PAA]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

333 CLAY STREET, # 1600

(Street)

HOUSTON, TX 77002

(City) (State) (Zip)

3. Date of Earliest Transaction
(Month/Day/Year)
05/15/20124. If Amendment, Date Original
Filed(Month/Day/Year)☐ Director ☐ 10% Owner
☒ Officer (give title below) ☐ Other (specify below)
Chairman of the Board & CEO6. Individual or Joint/Group Filing(Check Applicable Line)
☒ Form filed by One Reporting Person
☐ Form filed by More than One Reporting Person**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 Ownership (Instr. 4)
Common Units	05/15/2012		M	60,000 A	560,010	D	
Common Units	05/15/2012		F	21,870 D	\$ 0 538,140	D	

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

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(9-02)

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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. 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 Securities (Instr. 3 and 4)			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Phantom Units-2005 LTIP	<u>(1)</u>	05/15/2012		M		60,000		05/15/2012	<u>(2)</u>	Common Units	60,000

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
ARMSTRONG GREG L 333 CLAY STREET, # 1600 HOUSTON, TX 77002	X Chairman of the Board & CEO

Signatures

/s/ Greg L.
Armstrong 05/15/2012

**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) 1-for-1 Common Units for Phantom Units granted under long-term incentive plan.

(2) N/A

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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