

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL	
OMB Number:	3235-0287
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* <u>PEFANIS HARRY N</u> (Last) (First) (Middle) <u>333 CLAY STREET, # 1600</u> (Street) <u>HOUSTON TX 77002</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>PLAINS ALL AMERICAN PIPELINE LP [PAA]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director _____ 10% Owner _____ Officer (give title below) _____ Other (specify below) _____ President & COO
	3. Date of Earliest Transaction (Month/Day/Year) <u>11/15/2016</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			

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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Class B Shares/Class A Units	\$0	11/15/2016		J ⁽¹⁾		2,587,312		11/15/2017 ⁽²⁾	(3)	Common Units	2,587,312	\$0	2,587,312	D	
Class B Shares/Class A Units/GP Units	\$0	11/15/2016		J ⁽⁴⁾		1,181,676		(4)	(3)	Common Units	1,181,676	\$0	1,181,676 ⁽⁴⁾	I	See footnote (4)

Explanation of Responses:

- The limited partnership agreement of Plains AAP, L.P. ("AAP") was amended and restated on November 15, 2016 to provide, among other things, that each limited partner of AAP holding Class A Units, including the Reporting Person, will have the right, subject to certain limitations, to redeem its Class A Units in AAP (the "Class A Units"), for common units ("Common Units") of Plains All American Pipeline, L.P. (the "Issuer") held by AAP on a one-for-one basis, by delivering such Class A Units to Plains AAP along with the associated Class B Shares (the "Class B Shares") in Plains GP Holdings, L.P. ("PAGP") and GP Units (the "GP Units") in PAA GP Holdings LLC (if applicable), to PAGP (the "Redemption Right").
- Pursuant to the limited partnership agreement of AAP, the Reporting Person may not exercise his Redemption Right with respect to any Class A Units until November 15, 2017.
- Pursuant to the limited partnership agreement of AAP, the Redemption Right does not expire.
- PAA Management, L.P. ("PAA Management") is also a limited partner of AAP and may from time to time exercise the Redemption Right with respect to its Class A Units. The Reporting Person is a member of PAA Management LLC, the general partner of PAA Management, and a limited partner of PAA Management. Therefore he may be deemed to be a beneficial owner of the interests held by PAA Management. The Reporting Person disclaims beneficial ownership of the securities held by PAA Management, except to the extent of his pecuniary interest therein. Pursuant to the limited partnership agreement of AAP, PAA Management may not exercise its Redemption Right with respect to any Class A Units attributable to the interest of the Reporting Person until November 15, 2017.

Remarks:

/s/ Harry N. Pefanis 11/17/2016
 ** 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.