Post Holding	gs, Inc.								
Form 4	2016								
October 12, 2016								OMB APPROVAL	
	FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549						OMB Number:	3235-0287	
Check th if no long subject to Section 1 Form 4 o Form 5 obligatio may cont <i>See</i> Instri	6. r Filed pursuant to ns inue. Section 17(a) of th	SECU: Section 16(a) of t Public Utility Ho	GES IN BENEFICIAL OWNERSHIP OF SECURITIES (a) of the Securities Exchange Act of 1934, lity Holding Company Act of 1935 or Section restment Company Act of 1940					Expires: January 31, 2005 Estimated average burden hours per response 0.5	
1(b).			_						
(Print or Type I	Responses)								
GRAY DIEDRE J Symbol			d Ticker or		ng	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First) (Middle)	c	3. Date of Earliest Transaction (Check				k all applicable)		
C/O POST S. HANLEY	(Month/Day/Year) 0/09/2016				Director 10% Owner X Officer (give title Other (specify below) below) SVP, GC & CAO, SECY				
	(Street) 4. If Amendment, Date Original Filed(Month/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person				
ST. LOUIS	MO 63144						fore than One Re		
(City)	(State) (Zip)	Table I - Non-	Derivative	Secur	ities Acq	uired, Disposed of	, or Beneficial	ly Owned	
1.Title of Security (Instr. 3)2. Transaction Date (Month/Day/Year)2A. Deemed Execution Date, if any (Month/Day/Year)			4. Securi ion(A) or D (Instr. 3,	ispose 4 and	d of (D)	Securities Beneficially Owned	Indirect (I)	Indirect Beneficial	
		Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)			
Common Stock	10/09/2016	М	3,333	А	\$0	13,333	D		
Common Stock	10/09/2016	D	3,333	D	\$ 79.96	10,000	D		

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

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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. Transacti Code (Instr. 8)	5. Number onof 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)16	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units	<u>(1)</u>	10/09/2016		М	3,333	(2)	10/09/2024	Common Stock	3,333

Reporting Owners

Reporting Owner Name / Address				
	Director	10% Owner	Officer	Other
GRAY DIEDRE J C/O POST HOLDINGS, INC. 2503 S. HANLEY ROAD ST. LOUIS, MO 63144			SVP, GC & CAO, SECY	
Signatures				
/s/ Diedre I				

/s/ Diedre J. Gray <u>**</u>Signature of Date Reporting Person

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) Each restricted stock unit represents a contingent right to receive a cash payment equal to the fair market value of one share of Post Holdings, Inc. common stock upon vesting.
- (2) Restricted stock units granted on October 9, 2014, one-third of the restricted stock units vest on each of the first, second and third anniversaries of the date of grant without any action on the part of the participant.

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.