Post Holdings, Inc. Form 4 October 18, 2016

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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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

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * GRAY DIEDRE J	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
	Post Holdings, Inc. [POST]	(Check all applicable)		
(Last) (First) (Middle)	3. Date of Earliest Transaction			
	(Month/Day/Year)	Director 10% Owner		
C/O POST HOLDINGS, INC., 2503	10/15/2016	X Officer (give title Other (specify		
S. HANLEY ROAD		below) below) SVP, GC & CAO, SECY		
(Street)	4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Ch		
et Louis Mo 62144	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting		
ST. LOUIS, MO 63144		Person		

(City)	(State) (Z	Zip) Table	I - Non-D	erivative Securities Acq	uired, Disposed o	f, 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)	Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or	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)
Common Stock	10/15/2016		Code V M	Amount (D) Price 2,500 A \$ 0	12,500	D	
Common Stock	10/15/2016		D	2,500 D \$ 79.3	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. Transactic Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exer Expiration D (Month/Day)	ate	7. Title and Underlying (Instr. 3 and	Securities
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units	(1)	10/15/2016		M	2,500	(2)	10/15/2023	Common Stock	2,500

Reporting Owners

Reporting Owner Name / Address	Relationships
Nebulung 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 J. 10/18/2016 Gray

**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 15, 2013, one-third of the restricted stock units vest on each of the first, second, and third anniversaries of the date of grant without any actions 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.

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