STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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 *

KANE JACQUELINE P

(First) (Middle) (Last)

1221 BROADWAY

(City) (State) (Zip)

OAKLAND, CA 94612-1888

2. Issuer Name and Ticker or Trading Symbol

CLOROX CO /DE/ [ CLX ]

3. Date of Earliest Transaction (MM/DD/YYYY)

1/5/2015

4. If Amendment, Date Original Filed (MM/DD/YYYY)

5. Individual or Joint/Group Filing (Check Applicable Line)

X Form filed by One Reporting Person
__ Form filed by More than One Reporting Person

5. Relationship of Reporting Person(s) to Issuer (Check all applicable)

___ Director ___ 10% Owner
___ Officer (give title below) ___ Other (specify below)

X  SVP- HR & Corporate Affairs

6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)

7. Nature of Indirect Beneficial Ownership (Instr. 4)

X By Trust

8. Securities Acquired (A) or Disposed of (D), and Exercisable (E) (Instr. 3 and 4)

Common Stock 1/5/2015 M (1) 42864.0000 A $61.1600 50703.0000 D

Common Stock 1/5/2015 S (1) 6600.0000 D $104.3721 (2) 44103.0000 D

Common Stock 1/5/2015 S (1) 16934.0000 D $103.5237 (3) 27169.0000 D

Common Stock 526.0140 I By 401(k)

Common Stock 4456.0000 I

9. Number of Securities Beneficially Owned Following Reported Transaction Date (Instr. 4)

Common Stock 24864.0000 $0.0000 6686.0000 D

10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)

11. Nature of Indirect Beneficial Ownership (Instr. 4)

Explanation of Responses:

(1) Transaction executed pursuant to a pre-planned trading program adopted on December 4, 2014, by reporting person in accordance with Rule 10b5-1 of the Securities Exchange Act of 1934.

(2) This transaction was executed in multiple trades at prices ranging from $104.00 to $104.82. The price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide upon request to the SEC staff, the issuer or a security holder of the issuer full information regarding the number of shares and prices at which the transaction was effected.

(3) This transaction was executed in multiple trades at prices ranging from $103.23 to $103.93. The price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide upon request to the SEC staff, the issuer or a security holder of the issuer full information regarding the number of shares and prices at which the transaction was effected.

Reporting Owners

Relationships
<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Director</th>
<th>10% Owner</th>
<th>Officer</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>KANE JACQUELINE P</td>
<td>SVP</td>
<td></td>
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<td></td>
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<tr>
<td>1221 BROADWAY</td>
<td>HR &amp; Corporate Affairs</td>
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<tr>
<td>OAKLAND, CA 94612-1888</td>
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</tbody>
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Signatures

By Angela Hilt, Attorney-in-Fact for 1/7/2015

** 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).

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 control number.