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
   (Last) (First) (Middle)
   1221 BROADWAY
   OAKLAND, CA 94612-1888

2. Issuer Name and Ticker or Trading Symbol
   CLOROX CO /DE/ [ CLX ]

3. Date of Earliest Transaction (MM/DD/YYYY)
   8/17/2015

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

5. Relationship of Reporting Person(s) to Issuer
   (Check all applicable)
   _____ Director
   ___ Officer (give title below)
   ____ Other (specify below)
   EVP- HR & Corporate Affairs

6. Individual or Joint/Group Filing (Check Applicable Line)
   _ X 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

<table>
<thead>
<tr>
<th>Title of Security</th>
<th>Trans. Date</th>
<th>Trans. Code</th>
<th>Deemed Execution Date, if any</th>
<th>Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>8/17/2015</td>
<td>A (1)</td>
<td></td>
<td>5533.0000 A</td>
<td>$117.5100 35488.0000 D</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/17/2015</td>
<td>F (2)</td>
<td></td>
<td>2888.0000 D</td>
<td>$117.5100 32600.0000 D</td>
</tr>
<tr>
<td>Common Stock</td>
<td></td>
<td></td>
<td></td>
<td>526.0140 I</td>
<td>By 401(k)</td>
</tr>
<tr>
<td>Common Stock</td>
<td></td>
<td></td>
<td></td>
<td>4456.0000 I</td>
<td>By Trust</td>
</tr>
</tbody>
</table>

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

<table>
<thead>
<tr>
<th>Title of Derivative Security (Instr. 3)</th>
<th>Conversion or Exercise Price of Derivative Security</th>
<th>Trans. Date</th>
<th>Trans. Code (Instr. 8)</th>
<th>Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>Date Exercisable and Expiration Date</th>
<th>Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)</th>
<th>Price of Derivative Security (Instr. 5)</th>
<th>Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)</th>
<th>Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
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Explanation of Responses:

(1) Settlement of 2012 Performance Unit Grant that vested 8/17/2015.

(2) Withholding of stock to pay tax liability under the Company's Stock Withholding Arrangement.

Reporting Owners

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

Signatures

By Cheryl Brice, Attorney-in-Fact for KANE JACQUELINE P
8/19/2015

** Signature of Reporting Person
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.

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