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 *
   Costello Michael R.
   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
   ___ 10% Owner
   X Officer (give title below)
   ___ Other (specify below)
   SVP - International

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>Amount (A) or (D)</th>
<th>Price</th>
<th>Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>8/17/2015</td>
<td>A</td>
<td>2735.0000</td>
<td>A</td>
<td>$117.5100</td>
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<td></td>
<td>20555.2808</td>
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<td></td>
<td></td>
<td>D</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/18/2015</td>
<td>F</td>
<td>63.0000</td>
<td>D</td>
<td>$117.5100</td>
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<td>20492.2808</td>
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<td>D</td>
</tr>
<tr>
<td>Common Stock</td>
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<td>F</td>
<td>210.0000</td>
<td>D</td>
<td>$116.9900</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Title of Derivative Security</th>
<th>Conversion or Exercise Price of Derivative Security</th>
<th>Trans. Date</th>
<th>Deemed Execution Date, if any</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>
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</tbody>
</table>

Explanation of Responses:

1. Settlement of 2012 Performance Unit Grant that vested 8/17/2015, which the reporting person has elected to defer pursuant to the 2005 Stock Incentive Plan.

2. Withholding of stock to pay certain taxes under the Company's Stock Withholding Arrangement.

3. Withholding of shares by the Company to satisfy certain tax obligations applicable to the payout of Common Stock underlying settlement of 2011 Performance Unit Grant that vested on 8/18/2014, which the reporting person had elected to defer pursuant to the 2005 Stock Incentive Plan.

4. Includes 28 shares acquired pursuant to a dividend reinvestment feature of the Company's Stock Incentive Plan.
Signatures
By Cheryl Brice, Attorney-in-Fact for 8/19/2015

** 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.
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