FORM 4
UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

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 *
   Reynolds Eric H
   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

5. Relationship of Reporting Person(s) to Issuer
   (Check all applicable)
   _____ Director
   _____ 10% Owner
   _X_ Officer (give title below)   ___ Other (specify below)
   SVP-Chief Marketing Officer

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 (Instr. 8)</th>
<th>Amount (A) or (D)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>8/17/2015</td>
<td>A</td>
<td>1942.0000</td>
<td>$117.5100</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3982.0000</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/17/2015</td>
<td>F</td>
<td>730.0000</td>
<td>$117.5100</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3252.0000</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</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</th>
<th>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: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
</table>

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>Reynolds Eric H</td>
<td>Director 10% Owner Officer SVP-Chief Marketing Officer</td>
</tr>
<tr>
<td>1221 BROADWAY OAKLAND, CA 94612-1888</td>
<td></td>
</tr>
</tbody>
</table>

Signatures

By Cheryl Brice, Attorney-in-Fact for Reynolds Eric H
8/19/2015

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.