**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 *
   JOHNSON THOMAS D
   (Last) (First) (Middle)
   1221 BROADWAY
   OAKLAND, CA 94612-1888

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

5. Relationship of Reporting Person(s) to Issuer
   (Check all applicable)
   __ Director
   ___ 10% Owner
   __ Officer (give title below)
   ___ Other (specify below)
   VP - Global Business Services

3. Date of Earliest Transaction (MM/DD/YYYY)
   8/18/2014

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

6. Individual or Joint/Group Filing (Check Applicable Line)
   ___ Form filed by One Reporting Person
   X 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>2. Trans. Date</th>
<th>3. Trans. Code (Instr. 8)</th>
<th>4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>7. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>8/18/2014</td>
<td>V 1884.0000 A</td>
<td>$88.9300</td>
<td>16315.0000</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/18/2014</td>
<td>F 709.0000 D</td>
<td>$88.9300</td>
<td>15606.0000</td>
<td>D</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>1. Title of Derivate Security (Instr. 3)</th>
<th>2. Conversion or Exercise Price of Derivative Security</th>
<th>3. Trans. Date</th>
<th>3A. Deemed Execution Date, if any</th>
<th>4. Trans. Code (Instr. 8)</th>
<th>5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>6. Date Exercisable and Expiration Date</th>
<th>7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)</th>
<th>8. Price of Derivative Security (Instr. 5)</th>
<th>9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>11. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>8/18/2014</td>
<td>V (A)</td>
<td>(D) Date Exercisable</td>
<td></td>
<td>Title Amount or Number of Shares</td>
<td>8/18/2014</td>
<td>Common Stock</td>
<td>16315.0000</td>
<td>15606.0000</td>
<td>D</td>
<td>D</td>
</tr>
</tbody>
</table>

Explanation of Responses:
(1) Settlement of 2011 Performance Unit Grant that vested 8/18/2014.
(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>JOHNSON THOMAS D</td>
<td>Director 10% Owner Officer Other</td>
</tr>
<tr>
<td>1221 BROADWAY</td>
<td>VP - Global Business Services</td>
</tr>
<tr>
<td>OAKLAND, CA 94612-1888</td>
<td></td>
</tr>
</tbody>
</table>

Signatures

By Angela Hill, Attorney-in-Fact for
8/20/2014

* Signature of Reporting Person

Reminder: Report on a separate line for each class of beneficially owned securities either 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.