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
   1221 BROADWAY
   OAKLAND, CA 94612-1888

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

3. Date of Earliest Transaction: 8/11/2015

4. Date of Amendment, Date Original Filed: 

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

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>Date</th>
<th>Trans. Code</th>
<th>Trans. Date</th>
<th>Trans. Code</th>
<th>Date Exercisable and Expiration Date</th>
<th>Amount or Number of Shares</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>8/11/2015</td>
<td>M</td>
<td>7185.0000</td>
<td>A</td>
<td>8/11/2015</td>
<td>21655.0000</td>
<td>D</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/11/2015</td>
<td>M</td>
<td>3010.0000</td>
<td>A</td>
<td>9/11/2013</td>
<td>24665.0000</td>
<td>D</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/11/2015</td>
<td>S</td>
<td>10712.0000</td>
<td>D</td>
<td>9/11/2022</td>
<td>13953.0000</td>
<td>D</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/11/2015</td>
<td>A</td>
<td>400.0000</td>
<td>(2)</td>
<td>9/11/2022</td>
<td>(1)</td>
<td></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>Conversion or Exercise Price of Derivative Security</th>
<th>Date Exercisable</th>
<th>Expiration Date</th>
<th>Amount or Number of Shares</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock Option (Right to Buy)</td>
<td>$72.1100</td>
<td>8/11/2015</td>
<td>M</td>
<td>7185.0000</td>
</tr>
<tr>
<td>Stock Option (Right to Buy)</td>
<td>$84.4500</td>
<td>8/11/2015</td>
<td>M</td>
<td>3010.0000</td>
</tr>
</tbody>
</table>

Explanation of Responses:

1. This transaction was executed in multiple trades at prices ranging from $117.48 to $117.69. 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.

2. The reporting person acquired indirect beneficial ownership of these shares upon his appointment as attorney-in-fact to the investment account of the owner of the shares.

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Director 10% Owner Officer Other</td>
</tr>
</tbody>
</table>
Signatures
By Angela Hilt, Attorney-in-Fact for 8/13/2015
** 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.