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 *

Vlahos Nikolaos A

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
X _____ Officer (give title below)
_____ Other (specify below)

SVP - Chief Customer Officer

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

8/18/2014

4. If Amendment, Date Original Filed

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

_ 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>Amount (A) or (D)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>7/29/2014 J</td>
<td>V 6192.0000 D</td>
<td>$0.0000</td>
<td>4756.3460 D</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/18/2014 A</td>
<td>2266.0000 A</td>
<td>$88.9300</td>
<td>7022.3460 D</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/18/2014 F</td>
<td>53.0000 D</td>
<td>$88.9300</td>
<td>6969.3460 (4) D</td>
</tr>
<tr>
<td>Common Stock</td>
<td>7/29/2014 J</td>
<td>V 6192.0000 A</td>
<td>$0.0000</td>
<td>6192.0000 I</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Title of Derivate Security</th>
<th>Conversion or Exercise Price of Derivative Security</th>
<th>Date Exercisable</th>
<th>Expiration Date</th>
<th>Title</th>
<th>Amount or Number of Shares</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Explanation of Responses:

1. Transfer holdings to family trust.
2. Settlement of 2011 Performance Unit Grant that vested 8/18/2014, which the reporting person has elected to defer pursuant to the 2005 Stock Incentive Plan.
3. Withholding of stock to pay certain taxes under the Company's Stock Withholding Arrangement.
4. Includes 21,9740 shares acquired during the fiscal year pursuant to the Company's Employee Stock Purchase Plan; and withholding of 61 shares to pay certain taxes pursuant to a dividend reinvestment feature of the Company's Stock Incentive Plan.

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Directed</th>
<th>10% Owner</th>
<th>Officer</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vlahos Nikolaos A</td>
<td>SVP - Chief Customer Officer</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Signatures

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

** 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.