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 *
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
_____ Director
_____ 10% Owner
__ X Officer (give title below) __ Other (specify below)
EVP-COO - Household

4. If Amendment, Date Original Filed

1. Title of Security
Common Stock

2. Trans. Date
5/10/2016

3. Trans. Code
M

4. Securities Acquired (A) or Disposed of (D)

5. Amount of Securities Beneficially Owned Following Reported Transaction(s)

6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)

7. Nature of Indirect Beneficial Ownership (Instr. 4)

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 of Securities Acquired (A) or Disposed of (D)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>5/10/2016</td>
<td>M</td>
<td>1435.0000</td>
<td>$83.9800</td>
</tr>
<tr>
<td>Common Stock</td>
<td>5/10/2016</td>
<td>S</td>
<td>2151.0000</td>
<td>$132.2500</td>
</tr>
<tr>
<td>Common Stock</td>
<td></td>
<td></td>
<td>1672.0000</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>Trans. Date</th>
<th>Trans. Code</th>
<th>Amount of Derivative Securities Acquired (A) or Disposed of (D)</th>
<th>Date Exercisable</th>
<th>Expiration Date</th>
<th>Title of Underlying Derivative Security</th>
<th>Amount or Number of Shares</th>
<th>Price of Derivative Security</th>
<th>Ownership Form of Derivative Security</th>
<th>Ownership Form of Derivative Security</th>
<th>Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock Option (Right to Buy)</td>
<td>883.9800</td>
<td>5/10/2016</td>
<td>M</td>
<td>1435.0000</td>
<td>3/1/2014</td>
<td>3/1/2023</td>
<td>Common Stock</td>
<td>1435.0000</td>
<td>0.0000</td>
<td>Direct (D)</td>
<td>Direct (D)</td>
<td>By Trust</td>
</tr>
</tbody>
</table>

Explanation of Responses:

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vlahos Nikolaos A</td>
<td>Director</td>
</tr>
<tr>
<td>1221 BROADWAY</td>
<td>10% Owner</td>
</tr>
<tr>
<td>OAKLAND, CA 94612-1888</td>
<td>EVP-COO - Household</td>
</tr>
</tbody>
</table>

Signatures

By Angela Hilt, Attorney-in-Fact for 5/12/2016
** Signature of Reporting Person

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.