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 ]

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

8/10/2016

4. If Amendment, Date Original Filed (MM/DD/YYYY) __X__ Form filed by One Reporting Person

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

6. Relationship of Reporting Person(s) to Issuer (Check all applicable)

_____ Director
_____ 10% Owner
__ X Officer (give title below)
_____ Other (specify below)

EVP-COO - Household

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>Deemed Exercised</th>
<th>Amount of Securities Acquired (A) or Disposed of (D) (Instr. 3 and 4)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>8/10/2016</td>
<td>S</td>
<td>925.0000</td>
<td>D $133.0730</td>
<td>10434.3460</td>
</tr>
<tr>
<td>Common Stock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8. Price of Derivative Security (Instr. 5)

9. Number of derivative Securities Beneficially Owned Following Reportd Transaction(s) (Instr. 4)

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

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

<table>
<thead>
<tr>
<th>Title of Derivate Security (Instr. 3)</th>
<th>Conversion or Exercise Price of Derivative Security</th>
<th>Trans. Date</th>
<th>Deemed Exercised</th>
<th>Amount of Securities Acquired (A) or Disposed of (D) (Instr. 3 and 4)</th>
<th>Price</th>
</tr>
</thead>
</table>

Explanations:

(1) This transaction was executed in multiple trades at prices ranging from $133.06 to $133.10. The price reported above reflects the weighted average sale price.

(2) Includes 23 shares acquired during the fiscal year pursuant to the Company's Employee Stock Purchase Plan.

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 Cheryl Brice, Attorney-in-Fact for 8/12/2016

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.