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 *  
Costello Michael R.  
(Street) 1221 BROADWAY  
(City) OAKLAND, CA 94612-1888

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

3. Date of Earliest Transaction (MM/DD/YYYY)  
2/13/2015

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

5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  
_____ Director  
_____ 10% Owner  
__ X __ Officer (give title below)  
_____ Other (specify below)  
SVP - International

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

<table>
<thead>
<tr>
<th>Title of Security</th>
<th>Trans. Date</th>
<th>Code</th>
<th>V</th>
<th>Amount</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>2/13/2015</td>
<td>M</td>
<td>4060.0000</td>
<td>A</td>
<td>$61.1600</td>
</tr>
<tr>
<td>Common Stock</td>
<td>2/13/2015</td>
<td>M</td>
<td>2670.0000</td>
<td>A</td>
<td>$61.5100</td>
</tr>
<tr>
<td>Common Stock</td>
<td>2/13/2015</td>
<td>S</td>
<td>6302.0000</td>
<td>D</td>
<td>$108.3589</td>
</tr>
<tr>
<td>Common Stock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1206.3030</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>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>Title of Security Underlying Derivative Security (Instr. 3 and 4)</th>
<th>Amount or Number of Shares</th>
<th>Price of Derivative Security (Instr. 5)</th>
<th>Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)</th>
</tr>
</thead>
</table>
| Stock Option (Right to Buy)  | $61.1600                                           | 2/13/2015   | M                                 | 4060.0000              | 9/18/2008 9/18/2017 Common Stock 4060.0000 $0.0000 $0.0000 D  
Stock Option (Right to Buy)  | $61.5100                                           | 2/13/2015   | M                                 | 2670.0000              | 9/19/2007 9/19/2016 Common Stock 2670.0000 $0.0000 $0.0000 D

Explanation of Responses:

(1) This transaction was executed in multiple trades at prices ranging from $108.35 to $108.39. 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.

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>Costello Michael R.</td>
<td>Director 10% Owner Officer SVP - International</td>
</tr>
<tr>
<td>1221 BROADWAY</td>
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<tr>
<td>OAKLAND, CA 94612-1888</td>
<td></td>
</tr>
</tbody>
</table>

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Signatures

By Angela Hilt, Attorney-in-Fact for  2/18/2015

** 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.