FORM 4

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, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(f) of the Investment Company Act of 1940

1. Name and Address of Reporting Person *

MATSCHULLAT ROBERT W
(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)

2/9/2012

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

__X__ Director

_____ 10% Owner

_____ Officer (give title below)

_____ Other (specify below)

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

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 (Instr. 3)</th>
<th>Trans. Date</th>
<th>Deemed Execution Date, if any</th>
<th>Trans. Code (Instr. 8)</th>
<th>Amount (A) or (D)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>2/9/2012</td>
<td>M</td>
<td>2000.0000</td>
<td>A</td>
<td>$41.35</td>
</tr>
<tr>
<td>Common Stock</td>
<td>2/9/2012</td>
<td>S</td>
<td>2000.0000</td>
<td>D</td>
<td>$68.38</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 (Instr. 3)</th>
<th>Trans. Date</th>
<th>Deemed Execution Date, if any</th>
<th>Trans. Code (Instr. 8)</th>
<th>Date Exercisable</th>
<th>Expiration Date</th>
<th>Number or Amount of Shares Underlying Derivative Security (Instr. 3 and 4)</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: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock Option (Right to Buy)</td>
<td>7/1/2004</td>
<td>7/1/2012</td>
<td>2000.0000</td>
<td>$0</td>
<td>0.0000</td>
<td>D</td>
<td>$41.35</td>
<td>2000.0000</td>
<td>Direct (D)</td>
<td>Indirect (I)</td>
</tr>
</tbody>
</table>

Explanation of Responses:

Reporting Owners

MATSCHULLAT ROBERT W
1221 BROADWAY
OAKLAND, CA 94612-1888

Signatures

By Angela Hilt, Attorney-in-Fact for 2/13/2012

** 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.