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 *
   KANE JACQUELINE P
   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)
   8/20/2012

5. Relationship of Reporting Person(s) to Issuer
   ___ Director
   ____ 10% Owner
   ___ Officer (give title below)  X
   _____ Other (specify below)
   SVP- HR & Corporate Affairs

4. If Amendment, Date Original Filed

6. Individual or Joint/Group Filing (Check Applicable Line)
   _X_ Form filed by One Reporting Person
   ___ Form filed by More than One Reporting Person

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**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</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>8/20/2012</td>
<td>A (1)</td>
<td>4257.0000</td>
<td>$72.3100</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/20/2012</td>
<td>F (2)</td>
<td>1562.0000</td>
<td>$72.3100</td>
</tr>
<tr>
<td>Common Stock</td>
<td></td>
<td></td>
<td>497.4899</td>
<td></td>
</tr>
<tr>
<td>Common Stock</td>
<td></td>
<td></td>
<td>3036.0000</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>Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>Date Exercisable and Expiration Date</th>
<th>Title and Amount of Securities 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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>A (1)</td>
<td></td>
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</tr>
<tr>
<td>Common Stock</td>
<td>F (2)</td>
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<tr>
<td>Common Stock</td>
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</tr>
</tbody>
</table>

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Explanation of Responses:

(1) Settlement of 2009 Performance Unit Grant, which vested 8/20/12.

(2) Withholding of stock to pay tax liability under the Company's Stock Withholding Arrangement.

(3) Includes 21.4968 shares acquired during the fiscal year pursuant to the Company's 401(k) Plan.

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>KANE JACQUELINE P</td>
<td>Director 10% Owner Officer SVP- HR &amp; Corporate Affairs</td>
</tr>
</tbody>
</table>

1221 BROADWAY
OAKLAND, CA 94612-1888

Signatures
** Signature of Reporting Person

8/21/2012

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.