FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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 *
   KANE JACQUELINE P
   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 (Check all applicable)
   _____ Director
   _____ 10% Owner
   X ___ Officer (give title below) ______ Other (specify below)
   SVP- HR & Corporate Affairs

3. Date of Earliest Transaction (MM/DD/YYYY)
   5/11/2012

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>Acquired/Discharged (A) or Disposed of (D) (Instr. 4 and 5)</th>
<th>Amount (A) or (D)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>5/11/2012</td>
<td>F (1)</td>
<td>1101.0000</td>
<td>$68.5600</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>20736.0000</td>
</tr>
<tr>
<td>Common Stock</td>
<td></td>
<td></td>
<td>475.9931</td>
<td>I</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1156.0000</td>
<td>I</td>
</tr>
</tbody>
</table>

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| Title of Derivate Security (Instr. 3) | Conversion or Exercise Price of Derivative Security | Trans. Date | Trans. Code (Instr. 8) | Number of Derivative Securities Acquired/Discharged (A) or Disposed of (D) (Instr. 4 and 5) | Date Exercisable/Expiration Date | Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | Price of Derivative Security (Instr. 5) | Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4) | Nature of Indirect Beneficial Ownership (Instr. 4) | Code V (A) or (D) | Date Exercisable | Expiration Date | Amount or Number of Shares |
|--------------------------------------|-----------------------------------------------------|-------------|------------------------|---------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------|---------------------|------------------------|------------------------|
|                                      |                                                     |             |                        |                                                                                             |                               |                                                                                 |                                 |                                                                                              |                                                                                                  |                   |                     |                        |                        |

Explanation of Responses:
(1) Withholding of shares by the Company to satisfy tax obligations applicable to vesting of restricted stock.

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>KANE JACQUELINE P</td>
<td>SVP- HR &amp; Corporate Affairs</td>
</tr>
<tr>
<td>1221 BROADWAY</td>
<td></td>
</tr>
<tr>
<td>OAKLAND, CA 94612-1888</td>
<td></td>
</tr>
</tbody>
</table>

Signatures

By Angela Hilt, Attorney-in-Fact for 5/15/2012 **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.