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 *
   Gentile Susan
   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)
   8/16/2011

5. Relationship of Reporting Person(s) to Issuer
   (Check all applicable)
   _____ Director
   ____ 10% Owner
   _X_ Officer (give title below)
   _____ Other (specify below)
   VP - Controller

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</th>
<th>Date</th>
<th>Code</th>
<th>Amount</th>
<th>Price</th>
<th>Ownership Form</th>
<th>Nature of Indirect Beneficial Ownership</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>8/16/2011</td>
<td>A (1)</td>
<td>1428.0000</td>
<td>$68.99</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/16/2011</td>
<td>F (2)</td>
<td>524.0000</td>
<td>$68.99</td>
<td>D</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>Date</th>
<th>Code</th>
<th>(A)</th>
<th>(D)</th>
<th>Date Exercisable</th>
<th>Expiration Date</th>
<th>Title and Amount of Derivative Security</th>
<th>Price of Derivative Security</th>
<th>Ownership Form</th>
<th>Nature of Indirect Beneficial Ownership</th>
</tr>
</thead>
<tbody>
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Explanation of Responses:
(1) Settlement of 2008 Performance Unit Grant, which vested 8/16/11.
(2) Withholding of stock to pay tax liability under the Company’s Stock Withholding Arrangement.

Reporting Owners

- **Gentile Susan**
  1221 BROADWAY
  OAKLAND, CA 94612-1888
  VP - Controller

Signatures

By Angela Hilt, Attorney-in-Fact for Gentile Susan 8/18/2011

** 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.