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 *

TATASEO FRANK A
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

(Click all applicable)

_____ Director

_____ 10% Owner

X _____ Officer (give title below)

_____ Other (specify below)

EVP - Strategy & Growth

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

8/20/2012

4. If Amendment, Date Original Filed

(If applicable)

6. Individual or Joint/Group Filing

(Click 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>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</td>
<td>5042.0000</td>
<td>$72.3100</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/20/2012</td>
<td>F</td>
<td>1850.0000</td>
<td>$72.3100</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)</th>
<th>Date Exercisable and Expiration Date</th>
<th>Title and Amount of Securities Underlying Derivative Security</th>
<th>Price of Derivative Security</th>
<th>Number of Derivative Securities Beneficially Owned Following Reported Transaction(s)</th>
<th>Ownership Form: Direct (D) or Indirect (I)</th>
<th>Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
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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.

Reporting Owners

TATASEO FRANK A
1221 BROADWAY
OAKLAND, CA 94612-1888

Signatures

By Angela Hilt, Attorney-in-Fact for 8/22/2012

** 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.