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

HEINRICH DANIEL J

1221 BROADWAY
OAKLAND, CA 94612-1888

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading Symbol

CLOROX CO/DE/ [ CLX ]

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

8/18/2010

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

_____ Director

_____ 10% Owner

__ X Officer (give title below)

_____ Other (specify below)

EVP-Chief Financial Officer

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

6. Individual or Joint/Group Filing (Check Applicable Line)

_ 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 (A) or (D)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>7/15/2010</td>
<td>J (1)</td>
<td>2007</td>
<td>D $0</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/18/2010</td>
<td>A (2)</td>
<td>9156</td>
<td>A $65.16</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/18/2010</td>
<td>F (3)</td>
<td>132</td>
<td>D $65.16</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/19/2010</td>
<td>S</td>
<td>173.4397</td>
<td>D $64.72</td>
</tr>
<tr>
<td>Common Stock</td>
<td>7/15/2010</td>
<td>J (1)</td>
<td>2007</td>
<td>A $0</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>Trans. Date</th>
<th>Deemed Execution Date, if any</th>
<th>Trans. Code</th>
<th>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>Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
</table>

Explanation of Responses:

(1) Transfer holdings to family trust.

(2) Settlement of 2007 Performance Unit Grant that vested 8/18/10, which the reporting person has elected to defer pursuant to the 2005 Stock Incentive Plan.

(3) Withholding of stock to pay certain taxes under the Company's Stock Withholding Arrangement.

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Director</th>
<th>10% Owner</th>
<th>Officer</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEINRICH DANIEL J</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Signatures

By Angela Hilt, Attorney-in-Fact for 8/20/2010

** 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.