1. Name and Address of Reporting Person *

TICKNOR CAROLYN M

(Last) (First) (Middle)

1221 BROADWAY

(Street)

OAKLAND, CA 94612-1888

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol

CLOROX CO/DE/ [ CLX ]

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

12/31/2010

4. If Amendment, Date Original Filed

5. Relationship of Reporting Person(s) to Issuer

_ X _ Director

_____ 10% Owner

_____ Officer (give title below)

_____ Other (specify below)

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>1. Title of Security (Instr. 3)</th>
<th>2. Trans. Date</th>
<th>2A. Deemed Execution Date, if any</th>
<th>3. Trans. Code (Instr. 8)</th>
<th>4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>7. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deferred Stock Units</td>
<td>2/12/2010</td>
<td></td>
<td>A</td>
<td>(2) 114.7700 (A) or (D) Price</td>
<td>114.7700</td>
<td>D</td>
<td>13739.8665</td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>5/14/2010</td>
<td></td>
<td>A</td>
<td>(2) 107.8000 (A) or (D) Price</td>
<td>107.8000</td>
<td>D</td>
<td>13847.6665</td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>8/13/2010</td>
<td></td>
<td>A</td>
<td>(2) 118.4300 (A) or (D) Price</td>
<td>118.4300</td>
<td>D</td>
<td>13966.0965</td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>11/12/2010</td>
<td></td>
<td>A</td>
<td>(2) 120.9300 (A) or (D) Price</td>
<td>120.9300</td>
<td>D</td>
<td>14087.0265</td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>12/31/2010</td>
<td></td>
<td>A</td>
<td>(4) 1788.9400 (A) or (D) Price</td>
<td>1788.9400</td>
<td>D</td>
<td>15875.9665</td>
</tr>
</tbody>
</table>

Explanation of Responses:

(1) 1-for-1

(2) Deferred Stock Units acquired through dividend reinvestment during the fiscal year pursuant to the Independent Directors' Deferred Compensation Plan.

(3) The Deferred Stock Units will be settled 100% in Clorox stock in connection with the reporting person's retirement or other termination of service as a Director.

(4) Annual award of Deferred Stock Units pursuant to the 2005 Stock Incentive Plan.
Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>TICKNOR CAROLYN M</td>
<td></td>
</tr>
<tr>
<td>1221 BROADWAY</td>
<td>Director X</td>
</tr>
<tr>
<td>OAKLAND, CA 94612-1888</td>
<td>10% Owner</td>
</tr>
<tr>
<td></td>
<td>Officer</td>
</tr>
<tr>
<td></td>
<td>Other</td>
</tr>
</tbody>
</table>

Signatures

By Angela Hilt, Attorney-in-Fact for 1/4/2011

** 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.