Form 4 or Form 5 obligations may continue. See Instruction 1(b).

1. Name and Address of Reporting Person *

MUELLER EDWARD A

2. Issuer Name and Ticker or Trading Symbol

CLOROX CO /DE/ [ CLX ]

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

3/31/2008

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

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

_ X _ Director

____ 10% Owner

____ Officer (give title below)

_____ Other (specify below)

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>Trans. Date</th>
<th>Code</th>
<th>Amount (A) or Disposed of (D)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deferred Stock Units</td>
<td>2/15/2008</td>
<td>A (2) V</td>
<td>8</td>
<td>1156.00</td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>3/31/2008</td>
<td>A (4) 464</td>
<td>$0</td>
<td>1620.00</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Title of Derivate Security</th>
<th>Conversion or Exercise Price of Derivative Security</th>
<th>Trans. Date</th>
<th>Code</th>
<th>Amount or Number of Shares</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deferred Stock Units</td>
<td>(1)</td>
<td>2/15/2008</td>
<td>A (2) V</td>
<td>8</td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>(1)</td>
<td>3/31/2008</td>
<td>A (4) 464</td>
<td>$0</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 upon the reporting person's retirement or other termination of service as a Director.

(4) Receipt of Deferred Stock Units in lieu of receipt of quarterly director's fees.

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUELLER EDWARD A 1221 BROADWAY</td>
<td>X</td>
</tr>
</tbody>
</table>
Signatures
By: By Angela Hilt, Attorney-in-Fact for 4/2/2008
** 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.