CLOROX CO /DE/

FORM 4
(Statement of Changes in Beneficial Ownership)

Filed 1/4/2005 For Period Ending 12/31/2004

| Address          | THE CLOROX COMPANY 1221 BROADWAY  
|                 | OAKLAND, California 94612-1888  
| Telephone       | 510-271-7000  
| CIK             | 0000021076  
| Industry        | Personal & Household Prods.  
| Sector          | Consumer/Non-Cyclical  
| Fiscal Year     | 06/30  

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 *

MURLEY JAN L
(Last) MURLEY JAN L
(First) 1221 BROADWAY
(Middle) OAKLAND, CA 946121888

2. Issuer Name and Ticker or Trading Symbol

CLOROX CO /DE/ [ CLX ]

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

12/31/2004

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)

5. Relationship of Reporting Person(s) to Issuer

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>Code</th>
<th>V</th>
<th>Amount</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>12/31/2004</td>
<td>A</td>
<td>1</td>
<td>318</td>
<td>$58.930</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A</td>
<td>18</td>
<td>3265.000</td>
<td>D</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>Code</th>
<th>V</th>
<th>Amount</th>
<th>Date Exercisable</th>
<th>Expiration Date</th>
<th>Title</th>
<th>Amount or Number of Shares</th>
</tr>
</thead>
</table>

Explanation of Responses:
(1) Receipt of Clorox Stock in lieu of receipt of director's fees pursuant to the Independent Directors' Stock-Based Compensation Plan.

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
<th>Signatures</th>
</tr>
</thead>
<tbody>
<tr>
<td>MURLEY JAN L 1221 BROADWAY OAKLAND, CA 946121888</td>
<td>X</td>
<td>By: By Robin A. Stoner - Attorney-in-Fact 1/4/2005</td>
</tr>
</tbody>
</table>

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

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