Form 5

File: 000-50027

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

ANNUAL 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) (First) (Middle)

1221 BROADWAY

(Street)

OAKLAND, CA 946121888

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol

CLOROX CO /DE/ [CLX]

3. Statement for Issuer's Fiscal Year Ended

6/30/2004

4. If Amendment, Date Original Filed

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

___ 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

Common Stock

Deferred Stock Units

Deferred Stock Units

Deferred Stock Units

Deferred Stock Units

Deferred Stock Units

Director Stock Option (Right to Buy) - 03AT

1364.00

D

Explanation of Responses:

(1) Deferred Stock Units acquired through dividend reinvestment during the fiscal year pursuant to the Independent Directors' Stock-Based Compensation Plan.
(2) The Deferred Stock Units accrued pursuant to the Independent Directors' Stock-Based Compensation Plan will be settled 100% in Clorox stock upon the reporting person's retirement or other termination of service as a Director.

(3) Annual $10,000 award of Deferred Stock Units pursuant to the Independent Directors' Compensation Plan.

(4) Option exercisable in 3 equal installments - 1/3 on each of the first, second and third anniversaries of the grant date.

### Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>MURLEY JAN L</td>
<td>Director</td>
</tr>
<tr>
<td>1221 BROADWAY</td>
<td>10% Owner</td>
</tr>
<tr>
<td>OAKLAND, CA 946121888</td>
<td>Officer</td>
</tr>
</tbody>
</table>

** Signatures

By: Patrick M. Meehan, Assistant General Counsel 8/16/2004

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.