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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person

Fleischer Spencer C
1221 BROADWAY
OAKLAND, CA 94612-1888

2. Issuer Name and Ticker or Trading Symbol

CLOROX CO /DE/ [ CLX ]

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

12/30/2016

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>Trans. Code</th>
<th>Amount of Securities Beneficially Owned Following Reported Transaction(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deferred Stock Units</td>
<td>11/14/2016</td>
<td>A (i) V 10.7583</td>
<td>Common Stock 10.7583 $0.0000 1532.2570 D</td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>12/30/2016</td>
<td>A (i) 1136.5522</td>
<td>Common Stock 1136.5522 $0.0000 2668.8093 D</td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>12/30/2016</td>
<td>A (i) 208.2986</td>
<td>Common Stock 208.2986 $0.0000 2877.1079 D</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.

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

Reportings Owners

Reporting Owner Name / Address
Fleischer Spencer C
1221 BROADWAY
OAKLAND, CA 94612-1888

Relationships
Director 10% Owner Officer Other

Signatures

By Angela Hilt, Attorney-in-Fact for
1/4/2017

** 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.