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 *

KANE JACQUELINE P

2. Issuer Name and Ticker or Trading Symbol

CLOROX CO/DE/ [ CLX ]

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

5/13/2010

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

_____ Director

___ 10% Owner

__ X __ Officer (give title below)

_____ Other (specify below)

SR VP- HR & Corporate Affairs

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

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

1. Title of Security (Instr. 3)

2. Trans. Date

3. Trans. Code (Instr. 8)

4. Securities Acquired (A) or Disposed of (D)

5. Amount of Securities Beneficially Owned Following Reported Transaction(s)

6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)

7. Nature of Indirect Beneficial Ownership (Instr. 4)

Common Stock 5/13/2010 F (1) 2201 D $63.66 34510 D

Common Stock 445.62 I By 401(k)

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

1. Title of Derivate Security (Instr. 3)

2. Conversion or Exercise Price of Derivative Security

3. Trans. Date

4. Trans. Code (Instr. 8)

5. Number of Derivative Securities Acquired (A) or Disposed of (D)

6. Date Exercisable and Expiration Date

7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)

8. Price of Derivative Security (Instr. 5)

9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)

10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)

11. Nature of Indirect Beneficial Ownership (Instr. 4)

Code V (A) (D) Date Exercisable Expiration Date Title Amount or Number of Shares

Explanation of Responses:

(1) Withholding of shares by the Company to satisfy tax obligations applicable to vesting of restricted stock.

Reporting Owners

Reporting Owner Name / Address

KANE JACQUELINE P

1221 BROADWAY

OAKLAND, CA 94612-1888

Relationships

Director

10% Owner

Officer

SR VP- HR & Corporate Affairs

Signatures

By Angela Hilt, Attorney-in-Fact for 5/17/2010

** Signature of Reporting Person
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.