KLEINFELD KLAUS

Check this box

Form 4

December 28, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

OMB APPROVAL

3235-0287

Expires:

January 31, 2005

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Estimated average

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response...

subject to Section 16. Form 4 or Form 5

if no longer

obligations may continue. See Instruction

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(h) of the Investment Company Act of 1940

2. Issuer Name and Ticker or Trading

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

KLEINFELD KLAUS

Symbol ALCOA INC [AA] 5. Relationship of Reporting Person(s) to

Issuer

(Last)

(First)

(Street)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year) 12/23/2010

_X__ Director 10% Owner

(Check all applicable)

X_ Officer (give title Other (specify below)

201 ISABELLA STREET

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Chairman and CEO

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

PITTSBURGH, PA 15212

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

Code (Instr. 8)

3.

4. Securities TransactionAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5)

(A)

5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (T) (Instr. 4)

(Instr. 4)

Following Reported Transaction(s)

Code V Amount (D) Price

(Instr. 3 and 4)

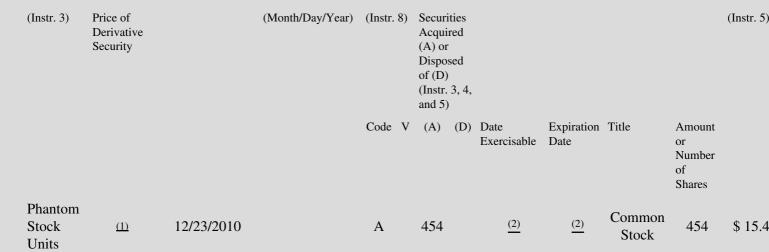
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

1. Title of 3. Transaction Date 3A. Deemed 5. Number 6. Date Exercisable and 7. Title and Amount of 8. Price Derivative Conversion (Month/Day/Year) Execution Date, if Transactionof **Expiration Date Underlying Securities** Derivati Security or Exercise any Code Derivative (Month/Day/Year) (Instr. 3 and 4) Security

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Reporting Owners

Reporting Owner Name / Address	Relationships				
rg	Director	10% Owner	Officer	Other	
KLEINFELD KLAUS 201 ISABELLA STREET	X		Chairman and CEO		
PITTSBURGH, PA 15212					

Signatures

Brenda Hart (Assistant Secretary), by power of attorney 12/28/2010

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) 1 For 1
- Phantom stock units were acquired under the Alcoa Deferred Compensation Plan and are to be paid out in cash after termination of employment. The reporting person may transfer the phantom stock into an alternative investment account under the Plan at times permitted under the Plan.
- (3) As of 12/23/2010, the reporting person also held 2,603.4231 phantom stock units under the Alcoa Deferred Fee Plan for Directors which are to be paid out in cash after Board service ends.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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