

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF  
SECURITIESFiled 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* <u>Jarrault Olivier M</u>	2. Date of Event Requiring Statement (Month/Day/Year) 01/21/2011	3. Issuer Name and Ticker or Trading Symbol <u>ALCOA INC [ AA ]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Executive Vice President</u>	5. If Amendment, Date of Original Filed (Month/Day/Year)
(Last) (First) (Middle) <u>201 ISABELLA STREET</u>			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
(Street) <u>PITTSBURGH PA 15212</u>			
(City) (State) (Zip)			

## Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock</u>	<u>87,271</u>	<u>D</u>	
<u>Common Stock</u>	<u>9,370</u>	<u>I</u>	<u>By Company 401(k) Plan</u>

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
<u>Employee Stock Option (right to buy)</u>	<u>01/12/2007</u>	<u>01/12/2012</u>	<u>Common Stock</u>	<u>6,277</u>	<u>28.925</u>	<u>D</u>	
<u>Employee Stock Option (right to buy)</u>	<u>01/18/2008</u>	<u>01/18/2013</u>	<u>Common Stock</u>	<u>12,150</u>	<u>30.3</u>	<u>D</u>	
<u>Employee Stock Option (right to buy)</u>	<u>01/17/2009</u>	<u>01/17/2014</u>	<u>Common Stock</u>	<u>21,804</u>	<u>28.79</u>	<u>D</u>	
<u>Employee Stock Option (right to buy)</u>	<u>(1)</u>	<u>01/23/2015</u>	<u>Common Stock</u>	<u>70,000</u>	<u>8.33</u>	<u>D</u>	
<u>Employee Stock Option (right to buy)</u>	<u>(2)</u>	<u>01/26/2020</u>	<u>Common Stock</u>	<u>36,060</u>	<u>13.54</u>	<u>D</u>	

## Explanation of Responses:

- The option vests in three equal annual installments beginning January 23, 2010.
- The option vests in three equal annual installments beginning January 26, 2011.

## Remarks:

Brenda Hart (Assistant  
Secretary), by power of  
attorney

01/27/2011

\*\* 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 5 (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).

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 Number.

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS that the undersigned hereby names, constitutes and appoints the Secretary and each Assistant Secretary of ALCOA INC., a Pennsylvania corporation (the "Company"), or any of them, the undersigned's true and lawful attorney-in-fact and agent to:

(1) prepare, sign for and on behalf of the undersigned, and submit to the U.S. Securities and Exchange Commission (the "SEC"), a Form ID, including amendments thereto, and any other documents necessary or appropriate to obtain codes and passwords enabling the undersigned to make electronic filings with the SEC of reports required by Section 16(a) of the Securities Exchange Act of 1934 or any rule or regulation of the SEC;

(2) prepare, and sign for and on behalf of the undersigned, as to any equity securities of the Company, Forms 3, 4 and/or 5, including amendments thereto, in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules thereunder;

(3) timely file any such Forms 3, 4 and/or 5, including amendments thereto, with the SEC and any stock exchange or similar authority and deliver a copy thereof to the Company in care of the Secretary; and

(4) take any other action in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned.

The undersigned hereby grants to each of such attorneys-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, hereby ratifying and confirming all that such attorneys-in-fact shall lawfully do or cause to be done by virtue of this Power of Attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 and 5 with respect to the undersigned's holdings of and transactions in equity securities of the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact. This Power of Attorney shall be governed by and construed in accordance with the laws of the Commonwealth of Pennsylvania. The execution of this Power of Attorney is not intended to, and does not, revoke any prior powers of attorney.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed

on the date set opposite the signature below.

/s/ Olivier M. Jarrault      01/08/11

Signature                      Date

Olivier M. Jarrault

Print Name