
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

**PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934**

Date of Report (Date of earliest event reported): May 10, 2012 (May 4, 2012)

ALCOA INC.

(Exact name of Registrant as specified in its charter)

Pennsylvania
(State or Other Jurisdiction
of Incorporation)

1-3610
(Commission
File Number)

25-0317820
(I.R.S. Employer
Identification Number)

390 Park Avenue, New York, New York
(Address of Principal Executive Offices)

10022-4608
(Zip Code)

Office of Investor Relations 212-836-2674
Office of the Secretary 212-836-2732
(Registrant's telephone number, including area code)

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the Registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 5.03 Amendments to Articles of Incorporation or Bylaws; Change in Fiscal Year.

Amendments to Articles of Incorporation and By-Laws

On May 4, 2012, the shareholders of Alcoa Inc. (“Alcoa”) at the 2012 annual meeting of shareholders approved authorizing shareholder action by written consent by approving amendments to Alcoa’s Articles of Incorporation and By-Laws. The material terms of the amendments are summarized on pages 56 through 58 (under the heading “Item 8 – Proposal to Permit Shareholder Action by Written Consent by Approving Amendments to the Articles of Incorporation and By-Laws”) of Alcoa’s definitive proxy statement on Schedule 14A filed with the Securities and Exchange Commission on March 12, 2012 (the “2012 Proxy Statement”), which description is incorporated herein by reference. The amendments added a new Article TWELFTH to the Articles of Incorporation and a new Section 6 to Article II of the By-Laws. The amendment to the Articles of Incorporation was filed with the Department of State of the Commonwealth of Pennsylvania and became effective on May 7, 2012. A copy of the Articles of Incorporation as amended is attached hereto as Exhibit 3(a) and is incorporated herein by reference. A copy of the By-Laws as amended May 4, 2012 is attached hereto as Exhibit 3(b) and is incorporated herein by reference.

Item 5.07. Submission of Matters to a Vote of Security Holders.

(a) The 2012 annual meeting of Alcoa shareholders was held on May 4, 2012.

(b) Set forth below are the voting results for each of the matters submitted to a vote of the shareholders. As of the February 6, 2012 record date for the annual meeting, there were 1,066,095,541 shares of common stock outstanding and entitled to vote. 796,286,091 shares of common stock were represented in person or by proxy at the annual meeting.

Item 1. The four nominees for election to the Board of Directors named in the 2012 Proxy Statement were elected, each for a three-year term, based upon the following votes:

<u>Nominee</u>	<u>For</u>	<u>Against</u>	<u>Abstentions</u>	<u>Broker Non-Votes</u>
Kathryn S. Fuller	455,831,559	66,742,203	1,139,575	272,572,754
Judith M. Gueron	485,991,023	36,590,302	1,132,012	272,572,754
Patricia F. Russo	459,644,813	62,969,597	1,098,927	272,572,754
Ernesto Zedillo	484,614,518	37,837,849	1,260,970	272,572,754

Item 2. The proposal to ratify the selection of PricewaterhouseCoopers LLP to serve as the independent auditor of Alcoa for 2012 was approved based upon the following votes:

<u>For</u>	<u>Against</u>	<u>Abstentions</u>	<u>Broker Non-Votes</u>
779,116,226	12,484,164	4,685,701	0

Item 3. The proposal to approve, on an advisory basis, executive compensation was approved based upon the following votes:

<u>For</u>	<u>Against</u>	<u>Abstentions</u>	<u>Broker Non-Votes</u>
431,709,333	85,037,455	6,966,549	272,572,754

Item 4. The proposal to eliminate the super-majority voting requirement in the Articles of Incorporation regarding amending Article SEVENTH (fair price protection), which required the affirmative vote of the holders of not less than 80% of the shares outstanding, was not approved based upon the following votes:

<u>For</u>	<u>Against</u>	<u>Abstentions</u>	<u>Broker Non-Votes</u>
502,397,345	18,009,181	3,306,811	272,572,754

Item 5. The proposal to eliminate the super-majority voting requirement in the Articles of Incorporation regarding amending Article EIGHTH (director elections), which required the affirmative vote of the holders of not less than 80% of the shares outstanding, was not approved based upon the following votes:

<u>For</u>	<u>Against</u>	<u>Abstentions</u>	<u>Broker Non-Votes</u>
501,980,347	18,524,260	3,208,730	272,572,754

Item 6. The proposal to eliminate the super-majority voting requirement in Article EIGHTH of the Articles of Incorporation relating to the removal of directors, which required the affirmative vote of the holders of not less than 80% of the shares outstanding, was not approved based upon the following votes:

<u>For</u>	<u>Against</u>	<u>Abstentions</u>	<u>Broker Non-Votes</u>
503,637,515	16,974,442	3,101,380	272,572,754

Item 7. The proposal to phase out the classified board by approving amendments to the Articles of Incorporation, which required the affirmative vote of the holders of not less than 80% of the shares outstanding, was not approved based upon the following votes:

<u>For</u>	<u>Against</u>	<u>Abstentions</u>	<u>Broker Non-Votes</u>
507,335,975	13,318,217	3,059,145	272,572,754

Item 8. The proposal to permit shareholder action by written consent by approving amendments to the Articles of Incorporation and By-Laws was approved based upon the following votes:

<u>For</u>	<u>Against</u>	<u>Abstentions</u>	<u>Broker Non-Votes</u>
505,447,205	12,296,007	5,970,125	272,572,754

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

The following are filed as exhibits to this report:

- 3(a) Articles of Incorporation of Alcoa Inc. as amended May 7, 2012.
- 3(b) By-Laws of Alcoa Inc. as amended May 4, 2012.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ALCOA INC.

By: /s/ Audrey Strauss

Name: Audrey Strauss

Title: Executive Vice President,
Chief Legal and Compliance Officer and
Secretary

Date: May 10, 2012

EXHIBIT INDEX

<u>Exhibit No.</u>	<u>Description</u>
3(a)	Articles of Incorporation of Alcoa Inc. as amended May 7, 2012.
3(b)	By-Laws of Alcoa Inc. as amended May 4, 2012.

ALCOA INC.
ARTICLES OF INCORPORATION
(As Amended May 7, 2012)

FIRST. The name of the corporation is Alcoa Inc.

SECOND. The location and post office address of the corporation's current registered office is c/o CT Corporation System, Dauphin County, Pennsylvania.

THIRD. The purpose or purposes of the corporation are: to acquire and dispose of deposits of and rights to bauxite, clay, ores and minerals of any sort or description, and to acquire, extract, treat and dispose of any materials recovered or recoverable therefrom; to reduce ores of aluminum and any and all other ores to their basic metals; to manufacture, alloy and fabricate any and all metals into articles of commerce; to acquire, produce, transport, trade in and dispose of goods, wares and merchandise of every class and description; to purchase, lease, or otherwise acquire improved or unimproved real property, leaseholds, easements and franchises, to manage, use, deal with and improve the same or any part thereof, and to sell, exchange, lease, sublease, or otherwise dispose of any of said property or the improvements thereon or any part thereof; to acquire, use and dispose of all land, minerals, materials, apparatus, machinery and other agencies, means and facilities, to perform all operations, and to do all things, necessary, convenient or incident to the foregoing; and to carry on any business directly or indirectly related thereto; and the corporation shall have unlimited power to engage in and to do any lawful act concerning any or all lawful business for which corporations may be incorporated under the Pennsylvania Business Corporation Law.

FOURTH. The term for which the corporation is to exist is perpetual.

FIFTH. The authorized capital of the corporation shall be 660,000 shares of Serial Preferred Stock of the par value of \$100 per share, 10,000,000 shares of Class B Serial Preferred Stock of the par value of \$1.00 per share and 1,800,000,000 shares of Common Stock of the par value of \$1.00 per share.

Hereinafter in this Article Fifth, the term "Preferred Stock" shall mean each of the Serial Preferred Stock and the Class B Serial Preferred Stock.

A description of each class of shares which the corporation shall have authority to issue and a statement of the rights, voting powers, preferences, qualifications, limitations, restrictions and the special or relative rights granted to or imposed upon the shares of each class and of the authority vested in the Board of Directors of the corporation to establish series of the Preferred Stock and to fix and determine the variations in the relative rights and preferences as between the series thereof are as follows:

1. Establishment of Series of Preferred Stock. Preferred Stock shall be issued in one or more series. Each series shall be designated by the Board of Directors so as to distinguish the shares thereof from the shares of all other series and classes. The Board of Directors may, by resolution, from time to time divide shares of Preferred Stock into series and fix and determine the number of shares and, subject to the provisions of this Article Fifth, the relative rights and preferences of any series so established, provided that all shares of Preferred Stock shall be identical except as to the following relative rights and preferences, in respect of any or all of which there may be variations between

different series, namely: the rate of dividend (including the date from which dividends shall be cumulative and, with respect to Class B Serial Preferred Stock, whether such dividend rate shall be fixed or variable and the methods, procedures and formulas for the recalculation or periodic resetting of any variable dividend rate); the price at, and the terms and conditions on, which shares may be redeemed; the amounts payable on shares in the event of voluntary or involuntary liquidation; sinking fund provisions for the redemption or purchase of shares in the event shares of any series are issued with sinking fund provisions; and the terms and conditions on which the shares of any series may be converted in the event the shares of any series are issued with the privilege of conversion. Each share of any series of Preferred Stock shall be identical with all other shares of such series, except as to date from which dividends shall be cumulative.

2. Dividends.

- (a) The holders of Serial Preferred Stock of any series shall be entitled to receive, when and as declared by the Board of Directors, out of surplus or net profits legally available therefor, cumulative dividends at the rate of dividend fixed by the Board of Directors for such series as hereinbefore provided, and no more, payable quarter yearly on the first days of January, April, July and October in each year. The dividends on any shares of Serial Preferred Stock shall be cumulative from such date as shall be fixed for that purpose by the Board of Directors prior to the issue of such shares or, if no such date shall be so fixed by the Board of Directors, from the quarter yearly dividend payment date next preceding the date of issue of such shares.
- (b) The holders of Class B Serial Preferred Stock of any series shall be entitled to receive, when and as declared by the Board of Directors or any authorized committee thereof, out of funds legally available therefor, cumulative dividends at the rate of dividend fixed by the Board of Directors for such series including any such rate which may be reset or recalculated from time to time pursuant to procedures or formulas established therefor by the Board of Directors, and no more; provided, however, that no dividend shall be declared or paid on the Class B Serial Preferred Stock so long as any of the Serial Preferred Stock remains outstanding, unless all quarter yearly dividends accrued on the Serial Preferred Stock and the dividend thereon for the current quarter yearly dividend period shall have been paid or declared and a sum sufficient for the payment thereof set apart. The dividends on any shares of Class B Serial Preferred Stock shall be cumulative from such date as shall be fixed for that purpose by the Board of Directors prior to the issue of such shares or, if no such date shall be so fixed by the Board of Directors, from the dividend payment date for such series next preceding the date of issue of such shares. If full cumulative dividends on shares of a series of Class B Serial Preferred Stock have not been paid or declared and a sum sufficient for the payment thereof set apart, dividends thereon shall be declared and paid pro rata to the holders of such series entitled thereto. Accrued dividends shall not bear interest.
- (c) The holders of Common Stock shall be entitled to receive dividends, when and as declared by the Board of Directors, out of surplus or net profits legally available therefor, provided, however, that no dividend shall be declared or paid on the Common Stock so long as any of the Preferred Stock remains outstanding, unless all dividends accrued on all classes of Preferred Stock and the dividend on Serial Preferred Stock for the current quarter yearly dividend period shall have been paid or declared and a sum sufficient for the payment thereof set apart.

3. Liquidation. In the event of any liquidation, dissolution or winding up of the corporation, whether voluntary or involuntary, then before any payment or distribution shall be made to the holders of Common Stock or Class B Serial Preferred Stock the holders of Serial Preferred Stock shall be entitled to be paid such amount as shall have been fixed by the Board of Directors as hereinbefore provided, plus all dividends which have accrued on the Serial Preferred Stock and have not been paid or declared and a sum sufficient for the payment thereof set apart. Thereafter, the holders of Class B Serial Preferred Stock of each series shall be entitled to be paid such amount as shall have been fixed by the Board of Directors as hereinbefore provided, plus all dividends which have accrued on the Class B Serial Preferred Stock and have not been paid or declared and a sum sufficient for the payment thereof set apart. Thereafter, the remaining assets shall belong to and be divided among the holders of the Common Stock. The consolidation or merger of the corporation with or into any other corporation or corporations or share exchange or division involving the corporation in pursuance of applicable statutes providing for the consolidation, merger, share exchange or division shall not be deemed a liquidation, dissolution or winding up of the corporation within the meaning of any of the provisions of this subdivision.

4. Voting Rights. The holders of Preferred Stock shall have no voting rights except as otherwise required by law or hereinafter provided:

- (a) If at any time the amount of any dividends on Preferred Stock which have accrued and which have not been paid or declared and a sum sufficient for the payment thereof set apart shall be at least equal to the amount of four quarter yearly dividends, the holders of Preferred Stock shall have one vote per share, provided, however, that such voting rights of the holders of Preferred Stock shall continue only until all quarter yearly dividends accrued on the Preferred Stock have been paid or declared and a sum sufficient for the payment thereof set apart.
- (b) Without the consent of the holders of at least a majority of the shares of Preferred Stock at the time outstanding, given in person or by proxy, either in writing or by vote at a meeting called for that purpose at which the holders of Preferred Stock shall vote as a class,
 - (i) no additional class of stock ranking on a parity with the Preferred Stock as to dividends or assets shall be authorized;
 - (ii) the authorized number of shares of Preferred Stock or of any class of stock ranking on a parity with the Preferred Stock as to dividends or assets shall not be increased; and
 - (iii) the corporation shall not merge or consolidate with or into any other corporation if the corporation surviving or resulting from such merger or consolidation would have after such merger or consolidation any authorized class of stock ranking senior to or on a parity with the Preferred Stock except the same number of shares of stock with the same rights and preferences as the authorized stock of the corporation immediately preceding such merger or consolidation.
- (c) Except in pursuance of the provisions of subdivision 4(b) (iii) of this Article Fifth, without the consent of the holders of at least sixty-six and two-thirds (66-2/3) percent of the number of shares of Preferred Stock at the time outstanding, given in person or by proxy, either in writing or by a vote at a meeting called for that purpose at which the holders of Preferred Stock shall vote as a class,
 - (i) no change shall be made in the rights and preferences of the Preferred Stock as set forth in the Articles of Incorporation or as fixed by the Board of Directors so as to affect such stock adversely; provided, however, that if any such change

would affect any series of Preferred Stock adversely as compared with the effect thereof upon any other series of Preferred Stock, no such change shall be made without the additional consent given as aforesaid of the holders of at least sixty-six and two-thirds (66-2/3) per cent. of the number of shares at the time outstanding of the Preferred Stock of the series which would be so adversely affected;

- (ii) no additional class of stock ranking senior to the Preferred Stock as to dividends or assets shall be authorized;
- (iii) the authorized number of shares of any class of stock ranking senior to the Preferred Stock as to dividends or assets shall not be increased; and
- (iv) the corporation shall not (a) sell, lease, convey or part with control of all or substantially all of its property or business; or (b) voluntarily liquidate, dissolve or wind up its affairs.

Notwithstanding the foregoing:

- (i) except as otherwise required by law, the voting rights of any series of Class B Serial Preferred Stock may be limited or eliminated by the Board of Directors prior to the issuance thereof; and
- (ii) provided no shares of Serial Preferred Stock are then outstanding, any series of Class B Serial Preferred Stock may be issued with such additional voting rights in the event of dividend arrearages as the Board of Directors may determine to be required to qualify such series for listing on one or more securities exchanges of recognized standing.

The holders of Common Stock of the corporation shall have one vote per share.

5. Redemption.

- (a) The corporation, at the option of the Board of Directors, may redeem the whole or any part of the Serial Preferred Stock, or the whole or any part of any series thereof, at any time or from time to time, at such redemption price therefor as shall have been fixed by the Board of Directors as hereinbefore provided, plus all dividends which on the redemption date have accrued on the shares to be redeemed and have not been paid or declared and a sum sufficient for the payment thereof set apart. Notice of every such redemption shall be published not less than thirty (30) days nor more than sixty (60) days prior to the date fixed for redemption in a daily newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and in a daily newspaper printed in the English language and published and of general circulation in the City of Pittsburgh, Pennsylvania. Notice of every such redemption shall also be mailed not less than thirty (30) days nor more than sixty (60) days prior to the date fixed for redemption to the holders of record of the shares of Serial Preferred Stock to be redeemed at their respective addresses as the same appear upon the books of the corporation; but no failure to mail such notice or any defect therein or in the mailing thereof shall affect the validity of the proceedings for the redemption of any shares of Serial Preferred Stock. In case of a redemption of a part only of any series of the Serial Preferred Stock at the time outstanding, the corporation shall select shares so to be redeemed in such manner, whether pro rata or by lot, as the Board of Directors may determine. Subject to the provisions herein contained, the Board of Directors shall have full power and authority to prescribe the manner in which and the terms and conditions on which the Serial Preferred Stock shall be redeemed

from time to time. If notice of redemption shall have been published as hereinbefore provided and if before the redemption date specified in such notice all funds necessary for such redemption shall have been set apart so as to be available therefor, then on and after the date fixed for redemption the shares of Serial Preferred Stock so called for redemption, notwithstanding that any certificate therefor shall not have been surrendered for cancellation, shall no longer be deemed outstanding and all rights with respect to such shares shall forthwith cease and terminate except only the right of the holders thereof to receive upon surrender of certificates therefor the amount payable upon redemption thereof, but without interest; provided, however, that if the corporation shall, after the publication of notice of any such redemption and prior to the redemption date, deposit in trust for the account of the holders of the Serial Preferred Stock to be redeemed with a bank or trust company in good standing, designated in such notice, organized under the laws of the United States of America or of the State of New York or of the Commonwealth of Pennsylvania, doing business in the Borough of Manhattan, The City of New York, or in the City of Pittsburgh, Pennsylvania, and having a capital, undivided profits and surplus aggregating at least five million dollars (\$5,000,000), all funds necessary for such redemption, then from and after the time of such deposit the shares of Serial Preferred Stock so called for redemption, notwithstanding that any certificate therefor shall not have been surrendered for cancellation, shall no longer be deemed outstanding and all rights with respect to such shares shall forthwith cease and terminate except only the right of the holders of such shares to receive from such bank or trust company upon surrender of certificates therefor the amount payable upon redemption thereof, but without interest.

All shares of Serial Preferred Stock so redeemed shall be cancelled and shall not be reissued.

- (b) The terms and conditions under which the whole or any part of any series of the Class B Serial Preferred Stock may be redeemed shall be established by the Board of Directors prior to the issuance thereof. Unless otherwise determined by the Board of Directors, all shares of Class B Serial Preferred Stock so redeemed or otherwise acquired by the corporation shall be returned to the status of authorized but unissued shares.

6. Preemptive Rights. Neither the holders of the Preferred Stock nor the holders of the Common Stock shall be entitled to participate in any right of subscription to any increased or additional capital stock of the corporation of any kind whatsoever.

SIXTH. In each election of directors every shareholder entitled to vote shall have the right to cast one vote for each share of stock standing in his name on the books of the company for each of such number of candidates as there are directors to be elected, but no shareholder shall have any right to cumulate his votes and cast them for one candidate or distribute them among two or more candidates.

SEVENTH. A. In addition to any affirmative vote required by law, the Articles or the By-Laws of the corporation (the "company"), and except as otherwise expressly provided in Section B of this Article Seventh, the Company shall not knowingly engage, directly or indirectly, in any Stock Repurchase (as hereinafter defined) from an Interested Shareholder (as hereinafter defined) without the affirmative vote of not less than a majority of the votes entitled to be cast by the holders of all then outstanding shares of Voting Stock (as hereinafter defined) which are beneficially owned by persons other than such Interested Shareholder, voting together as a single class. Such affirmative vote shall be required notwithstanding the fact that no vote may be required, or that a lesser percentage or separate class vote may be specified, by law or in any agreement with any national securities exchange or otherwise.

B. The provisions of Section A of this Article Seventh shall not be applicable to any particular Stock Repurchase from an Interested Shareholder, and such Stock Repurchase shall require only such affirmative vote, if any, as is required by law or by any other provision of the Articles or the By-Laws of the company, or any agreement with any national securities exchange or otherwise, if the conditions specified in either of the following Paragraphs (1) or (2) are met:

- (1) The Stock Repurchase is made pursuant to a tender offer or exchange offer for a class of Capital Stock (as hereinafter defined) made available on the same basis to all holders of such class of Capital Stock.
- (2) The Stock Repurchase is made pursuant to an open market purchase program approved by a majority of the Continuing Directors (as hereinafter defined), provided that such repurchase is effected on the open market and is not the result of a privately negotiated transaction.

C. For the purposes of this Article Seventh:

- (1) The term "Stock Repurchase" shall mean any repurchase, directly or indirectly, by the Company or any Subsidiary of any shares of Capital Stock at a price greater than the then Fair Market Value of such shares.
- (2) The term "Capital Stock" shall mean all capital stock of the company authorized to be issued from time to time under Article FIFTH of the Articles of the company, and the term "Voting Stock" shall mean all Capital Stock which by its terms may be voted on all matters submitted to shareholders of the company generally.
- (3) The term "person" shall mean any individual, firm, company or other entity and shall include any group comprised of any person and any other person with whom such person or any Affiliate or Associate of such person has any agreement, arrangement or understanding, directly or indirectly, for the purpose of acquiring, holding, voting or disposing of Capital Stock.
- (4) The term "Interested Shareholder" shall mean any person (other than the company or any Subsidiary and other than any savings, profit-sharing, employee stock ownership or other employee benefit plan of the company or any subsidiary or any trustee of or fiduciary with respect to any such plan when acting in such capacity) who is on the date in question, or who was at any time within the two year period immediately prior to the date in question, the beneficial owner of Voting Stock representing five percent (5%) or more of the votes entitled to be cast by the holders of all then outstanding shares of Voting Stock.
- (5) A person shall be a "beneficial owner" of any Capital Stock (a) which such person or any of its Affiliates or Associates beneficially owns, directly or indirectly; (b) which such person or any of its Affiliates or Associates has, directly or indirectly, (i) the right to acquire (whether such right is exercisable immediately or subject only to the passage of time), pursuant to any agreement, arrangement or understanding or upon the exercise of conversion rights, exchange rights, warrants or options, or otherwise, or (ii) the right to vote pursuant to any agreement, arrangement or understanding; or (c) which is beneficially owned, directly or indirectly, by any other person with which such person or any of its Affiliates or Associates has any agreement, arrangement or understanding for the purpose of acquiring, holding, voting or disposing of any shares of Capital Stock. For the purposes of determining whether a person is an Interested Shareholder

pursuant to Paragraph 4 of this Section C, the number of shares of Capital Stock deemed to be outstanding shall include shares deemed beneficially owned by such person through application of Paragraph 5 of this Section C, but shall not include any other shares of Capital Stock that may be issuable pursuant to any agreement, arrangement or understanding, or upon exercise of conversion rights, warrants or options, or otherwise.

- (6) The terms "Affiliate" and "Associate" shall have the respective meanings ascribed to such terms in Rule 12b-2 under the Securities Exchange Act of 1934 as in effect on March 8, 1985 (the term "registrant" in said Rule 12b-2 meaning in this case the Company).
 - (7) The term "Subsidiary" shall mean any corporation of which a majority of any class of equity security is beneficially owned by the company; provided, however, that for the purposes of the definition of Interested Shareholder set forth in Paragraph 4 of this Section C, the term "Subsidiary" shall mean only a corporation of which a majority of each class of equity security is beneficially owned by the company.
 - (8) The term "Continuing Director" shall mean any member of the Board of Directors of the Company (the "board"), while such person is a member of the board, who is not an Affiliate or Associate or representative of the Interested Shareholder and was a member of the board prior to the time that the Interested Shareholder became an Interested Shareholder, and any successor of a Continuing Director, while such successor is a member of the board, who is not an Affiliate or Associate or representative of the Interested Shareholder and is recommended or elected to succeed the Continuing Director by a majority of Continuing Directors.
 - (9) The term "Fair Market Value" shall mean (a) in the case of cash, the amount of such cash; (b) in the case of stock, the closing sale price on the trading day immediately preceding the date in question of a share of such stock on the Composite Tape for New York Stock Exchange-Listed Stocks, or, if such stock is not quoted on the Composite Tape, on the New York Stock Exchange, or, if such stock is not listed on such Exchange, on the principal United States securities exchange registered under the Act on which such stock is listed, or, if such stock is not listed on any such exchange, the closing bid quotation with respect to a share of such stock on the trading day immediately preceding the date in question on the National Association of Securities Dealers, Inc. Automated Quotations System or any similar system then in use, or if no such quotation is available, the fair market value on the date in question of a share of such stock as determined by a majority of the Continuing Directors in good faith; and (c) in the case of property other than cash or stock, the fair market value of such property on the date in question as determined in good faith by a majority of the Continuing Directors.
- D. The Board of Directors shall have the power and duty to determine for the purposes of this Article Seventh, on the basis of information known to them after reasonable inquiry, (a) whether a person is an Interested Shareholder, (b) the number of shares of Capital Stock or other securities beneficially owned by any person, (c) whether a person is an Affiliate or Associate of another and (d) whether the consideration to be paid in any Stock Repurchase has an aggregate Fair Market Value in excess of the then Fair Market Value of the shares of Capital Stock being repurchased. Any such determination made in good faith shall be binding and conclusive on all parties.

- E. Nothing contained in this Article Seventh shall be construed to relieve any Interested Shareholder from any fiduciary obligation imposed by law.
- F. Notwithstanding any other provisions of the Articles or the By-Laws of the company (and notwithstanding the fact that a lesser percentage or separate class vote may be specified by law, these Articles or the By-Laws of the company), the affirmative vote of the holders of not less than eighty percent (80%) of the votes entitled to be cast by the holders of all then outstanding shares of Voting Stock, voting together as a single class, shall be required to amend or repeal, or adopt any provisions inconsistent with, this Article Seventh.

EIGHTH. A. The business and affairs of the corporation (the “company”) shall be managed by a Board of Directors comprised as follows:

- (1) The Board of Directors shall consist of the number of persons fixed from time to time by the Board of Directors pursuant to a resolution adopted by a majority vote of the directors then in office.
- (2) Beginning with the Board of Directors to be elected at the annual meeting of shareholders held in 1985, directors shall be classified with respect to the time for which they shall severally hold office by dividing them into three classes, as nearly equal in number as possible. At such meeting, each class of directors shall be elected in a separate election. Directors of the first class shall be elected for a term of office to expire at the 1986 annual meeting of shareholders, those of the second class shall be elected for a term of office to expire at the 1987 annual meeting of shareholders, and those of the third class shall be elected for a term of office to expire at the 1988 annual meeting of shareholders. At each annual election held after the 1985 annual meeting of shareholders the class of directors then being elected shall be elected to hold office for a term of office to expire at the third succeeding annual meeting of shareholders after their election. Each director shall hold office for the term for which elected and until his or her successor shall have been elected and qualified, except in the case of earlier death, resignation or removal.
- (3) Nominations for the election of directors at an annual meeting of the shareholders may be made by the Board of Directors or a committee appointed by the Board of Directors or by any shareholder entitled to vote in the election of directors at the meeting. Shareholders entitled to vote in such election may nominate one or more persons for election as directors only if written notice of such shareholder’s intent to make such nomination or nominations has been given either by personal delivery or by United States mail, postage prepaid, to the Secretary of the company not later than ninety days prior to the anniversary date of the immediately preceding annual meeting. Such notice shall set forth: (a) the name and address of the shareholder who intends to make the nomination and of the persons or person to be nominated; (b) a representation that the shareholder is a holder of record of stock of the company entitled to vote at such meeting and intends to appear in person or by proxy at the meeting to nominate the person or persons specified in the notice; (c) a description of all arrangements or understandings between the shareholder and each nominee and any other person or persons (naming such person or persons) pursuant to which the nomination or nominations are to be made by the shareholder; (d) such other information regarding each nominee proposed by such shareholder as would be required to be included in a proxy statement filed pursuant to the proxy rules of the Securities and Exchange

Commission as then in effect; and (e) the consent of each nominee to serve as a director of the company if so elected. The presiding officer of the meeting may refuse to acknowledge the nomination of any person not made in compliance with the foregoing procedure.

- (4) Any director, any class of directors, or the entire Board of Directors may be removed from office by shareholder vote at any time, with or without assigning any cause, but only if shareholders entitled to cast at least 80% of the votes which all shareholders would be entitled to cast at an annual election of directors or of such class of directors shall vote in favor of such removal.
 - (5) Vacancies in the Board of Directors, including vacancies resulting from an increase in the number of directors, shall be filled only by a majority vote of the remaining directors then in office, though less than a quorum, except that vacancies resulting from removal from office by a vote of the shareholders may be filled by the shareholders at the same meeting at which such removal occurs. All directors elected to fill vacancies shall hold office for a term expiring at the annual meeting of shareholders at which the term of the class to which they have been elected expires. No decrease in the number of directors constituting the Board of Directors shall shorten the term of any incumbent director.
- B. Notwithstanding any other provisions of the Articles or the By-Laws of the company (and notwithstanding the fact that a lesser percentage or separate class vote may be specified by law, these Articles or the By-laws of the company), the affirmative vote of not less than eighty percent (80%) of the votes which all shareholders of the then outstanding shares of capital stock of the company would be entitled to cast in an annual election of directors, voting together as a single class, shall be required to amend or repeal, or adopt any provisions inconsistent with, this Article Eighth.

NINTH. To the fullest extent that the laws of the Commonwealth of Pennsylvania, as in effect on May 15, 1987 or as thereafter amended, permit elimination or limitation of the liability of directors, no director of the corporation shall be personally liable for monetary damages for any action taken, or any failure to take any action. This Article Ninth shall not apply to any action filed prior to May 15, 1987, nor to any breach of performance of duty or any failure of performance of duty occurring prior to May 15, 1987. The provisions of this Article shall be deemed to be a contract with each director of the corporation who serves as such at any time while such provisions are in effect, and each such director shall be deemed to be serving as such in reliance on the provisions of this Article. Any amendment or repeal of this Article or adoption of any other provision of the Articles or By-laws of the corporation which has the effect of increasing director liability shall operate prospectively only and shall not affect any action taken, or any failure to act, prior to such amendment, repeal or adoption.

TENTH. Except as prohibited by law, the corporation may indemnify any person who is or was a director, officer, employee or agent of the corporation or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise (including, without limitation, any employee benefit plan) and may take such steps as may be deemed appropriate by the Board of Directors, including purchasing and maintaining insurance, entering into contracts (including, without limitation, contracts of indemnification between the corporation and its directors and officers), creating a trust fund, granting security interests or using other means (including, without limitation, a letter of credit) to ensure the payment of such amounts as may be necessary to effect such indemnification. This Article shall be effective May 15, 1987.

ELEVENTH. A nominee for director shall be elected to the Board of Directors at a meeting of shareholders if the votes cast for such nominee by holders of shares entitled to vote in the election, exceed the votes cast against such nominee's election (excluding abstentions), except in a contested election (as such term shall be defined in the By-Laws of the company). Any nominee for director in a non-contested election who is not an incumbent director and is not so elected shall not take office. Any incumbent director nominated for re-election in a non-contested election but not so elected shall, in the event the director's successor shall not be duly elected and qualified, take such actions (which may include the tender of the director's resignation for consideration by the Board of Directors) as shall be consistent with applicable law and the company's By-Laws. The Board of Directors shall have the authority to adopt and amend appropriate By-Laws to implement this Article Eleventh.

TWELFTH. Subject to any requirements set forth in the By-Laws of the corporation, an action may be authorized by the shareholders without a meeting by less than unanimous written consent, provided that (a) the shareholder(s) of record seeking to have shareholders of the corporation authorize or take the action by written consent complies with the requirements of the Securities Exchange Act of 1934 and the rules and regulations thereunder, as amended, applicable to solicitations, including the requirement to file with the U.S. Securities and Exchange Commission a consent solicitation statement containing the information specified in Schedule 14A and to file and distribute such consent solicitation statement, and (b) no action by written consent shall be effective until the later of (1) such date as independent inspectors appointed by the corporation certify to the corporation that the consents delivered to the corporation in accordance with the By-Laws of the corporation represent at least the minimum number of votes that would be necessary to take the corporate action and (2) the date that is at least ten (10) days after notice of the action has been given to each shareholder entitled to vote thereon who has not consented thereto.

(Amended May 7, 2012)

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**ALCOA INC.
BY-LAWS**

ARTICLE I - IDENTIFICATION

Section 1. *Principal Office.* The principal office of the Company shall be in the City of New York, New York.

Section 2. *Seal.* The Company shall have a corporate seal in such form as the board of directors shall by resolution from time to time prescribe.

Section 3. *Fiscal Year.* The fiscal year of the Company shall end on the 31st day of December.

ARTICLE II - SHAREHOLDERS' MEETINGS

Section 1. *Place of Meetings.* Meetings of the shareholders of the Company shall be held at such place within or without the Commonwealth of Pennsylvania as may be fixed by the board of directors pursuant to authority hereby granted.

Section 2. *Annual Meeting.* The annual meeting of the shareholders shall be held on the Friday next following the first Monday in May of each year at nine thirty o'clock A.M., local time in effect at the place of the meeting, or on such other day or at such other time as may be fixed by the board of directors pursuant to authority hereby granted.

Section 3. *Chairman of the Meeting.* All meetings of the shareholders shall be called to order and presided over by the chairman of the board, or in the absence of the chairman of the board, by a vice chairman of the board, the president or another director, in the order designated by the chairman of the board, or if none of these be present, by a chairman elected by a majority of the votes which all shareholders present are entitled to cast on any matter coming before the meeting.

Section 4. *Notice of Shareholder Business.*

(A) Annual Meetings of Shareholders.

(1) The proposal of business (other than director nominations) to be considered by the shareholders may be made at an annual meeting of shareholders (a) pursuant to the Company's notice of meeting, (b) by or at the direction of the board of directors or (c) by any shareholder of the Company who was a shareholder of record at the time of giving of notice provided for in these By-laws, who is entitled to vote at the meeting and who complies with the notice procedures set forth in these By-laws.

(2) For business (other than director nominations, which are subject to the requirements of Section A(3) of Article EIGHTH of the Company's Articles, as the same may be amended from time to time) to be properly brought before an annual meeting by a shareholder pursuant to Section 4(A)(1)(c) of this Article II, the shareholder must have given timely notice thereof in proper form in writing to the Secretary and such business must otherwise be a proper matter for shareholder action. To be timely, a shareholder's notice shall be delivered to the Secretary at the principal executive offices of the Company not later than ninety days prior to the anniversary date of the immediately preceding annual meeting and shall be updated and supplemented as set forth below; provided, however, that in the event that the date of the annual meeting is more than thirty days before or more than sixty days after such anniversary date, notice by the shareholder must be so delivered not later than ninety days prior to the date of such annual meeting or, if the first public announcement of the date of such annual meeting is less than one hundred days prior to the

date of such annual meeting, the tenth day following the day on which public announcement of the date of such meeting is first made by the Company. In no event shall the public announcement of an adjournment of an annual meeting commence a new time period for the giving of a shareholder's notice as described above. To be in proper form, a shareholder's notice shall set forth and disclose:

(i) as to any business (other than director nominations) that the shareholder proposes to bring before the meeting, a brief description of the business desired to be brought before the meeting, the reasons for conducting such business at the meeting and any material interest in such business of (x) the shareholder making the proposal, (y) the beneficial owner, if any, on whose behalf the proposal is made and (z) their respective affiliates and associates or others acting in concert therewith (each person or entity specified by the foregoing clauses (x), (y) and (z), a "Proposing Shareholder");

(ii) a description of all agreements, arrangements and understandings between a Proposing Shareholder and any other person or persons (including their names) in connection with the proposal of such business by the shareholder;

(iii) the text of the proposal or business (including the text of any resolutions proposed for consideration and, in the event that such proposal or business includes a proposal to amend the By-laws or Articles of Incorporation of the Company, the text of the proposed amendment);

(iv) the name and address, as they appear on the Company's books, of each Proposing Shareholder;

(v) the class or series and number of shares of the Company which are, directly or indirectly, owned beneficially and of record by each Proposing Shareholder;

(vi) any option, warrant, convertible security, stock appreciation right, or similar right with an exercise or conversion privilege or a settlement payment or mechanism at a price related to any class or series of shares of the Company or with a value derived in whole or in part from the value of any class or series of shares of the Company, or any derivative or synthetic arrangement having the characteristics of a long position in any class or series of shares of the Company, or any contract, derivative, swap or other transaction or series of transactions designed to produce economic benefits and risks that correspond substantially to the ownership of any class or series of shares of the Company, including due to the fact that the value of such contract, derivative, swap or other transaction or series of transactions is determined by reference to the price, value or volatility of any class or series of shares of the Company, whether or not such instrument, contract or right shall be subject to settlement in the underlying class or series of shares of the Company, through the delivery of cash or other property, or otherwise, and without regard to whether the shareholder of record, the beneficial owner, if any, or any affiliates or associates or others acting in concert therewith, may have entered into transactions that hedge or mitigate the economic effect of such instrument, contract or right, or any other direct or indirect opportunity to profit or share in any profit derived from any increase or decrease in the value of shares of the Company (any of the foregoing, a "Derivative Instrument") directly or indirectly owned beneficially by each Proposing Shareholder;

(vii) any proxy, contract, arrangement, understanding, or relationship pursuant to which any Proposing Shareholder has a right to vote any class or series of shares of the Company;

(viii) any agreement, arrangement, understanding, relationship or otherwise, including any repurchase or similar so-called "stock borrowing" agreement or arrangement, involving a Proposing Shareholder, directly or indirectly, the purpose or effect of which is to mitigate loss to, reduce the economic risk (of ownership or otherwise) of any class or series of the shares of the Company by, manage the risk of share price changes for, or increase or decrease the voting power of, such shareholder with respect to any class or series of the shares of the Company, or which provides, directly or indirectly, the opportunity to profit or share in any profit derived from any decrease in the price or value of any class or series of the shares of the Company (any of the foregoing, a "Short Interest");

(ix) any rights to dividends on the shares of the Company owned beneficially by any Proposing Shareholder that are separated or separable from the underlying shares of the Company;

(x) any proportionate interest in shares of the Company or Derivative Instruments held, directly or indirectly, by a general or limited partnership in which any Proposing Shareholder is a general partner or, directly or indirectly, beneficially owns an interest in a general partner of such general or limited partnership;

(xi) any performance-related fees (other than an asset-based fee) that a Proposing Shareholder is entitled to based on any increase or decrease in the value of shares of the Company or Derivative Instruments, if any, including without limitation any such interests held by members of such Proposing Shareholder's immediate family sharing the same household;

(xii) any significant equity interests or any Derivative Instruments or Short Interests in any principal competitor of the Company held by a Proposing Shareholder;

(xiii) any direct or indirect interest of a Proposing Shareholder in any contract with the Company, any affiliate of the Company or any principal competitor of the Company (including, in any such case, any employment agreement, collective bargaining agreement or consulting agreement);

(xiv) to the extent not covered by the foregoing clauses (i) through (xiii), any disclosures that would be required pursuant to Item 5 or Item 6 of Schedule 13D if the requirements therein were applicable to each Proposing Shareholder; and

(xv) any other information relating to each Proposing Shareholder that would be required to be disclosed in a proxy statement and form of proxy or other filings required to be made in connection with solicitations of proxies for, as applicable, the proposal and/or for the election of directors in a contested election pursuant to Section 14 of the Securities Exchange Act of 1934 and the rules and regulations promulgated thereunder, as amended (the "Exchange Act").

To be considered timely, a shareholder's notice shall be updated and supplemented, if necessary, so that the information provided or required to be provided in such notice shall be true and correct as of the record date for the meeting and as of the date that is ten business days prior to the meeting or any adjournment or postponement thereof, and such update and supplement shall be delivered to the Secretary at the principal executive offices of the Company not later than five business days after the record date for the meeting in the case of the update and supplement required to be made as of the record date, and not later than eight business days prior to the date for the meeting or any adjournment or postponement thereof in the case of the update and supplement required to be made as of ten business days prior to the meeting or any adjournment or postponement thereof.

(B) Special Meetings of Shareholders. Except as otherwise required by law or the Articles, only such business shall be conducted at a special meeting of shareholders as shall have been brought before the meeting pursuant to the Company's notice of meeting or otherwise brought by or at the direction of the board of directors. Nominations of persons for election to the board of directors may be made at a special meeting of shareholders at which directors are to be elected pursuant to the Company's notice of meeting (a) by or at the direction of the board of directors or (b) provided that the board of directors has determined that directors shall be elected at such meeting, by any shareholder of the Company who is a shareholder of record at the time of giving notice provided for in these By-laws, who shall be entitled to vote at the meeting and who complies with the notice procedures set forth in these By-laws. In the event the Company calls a special meeting of shareholders for the purpose of electing one or more directors to the board of directors, any such shareholder may nominate a person or persons (as the case may be), for election to such position(s) as specified in the Company's notice of meeting, if a shareholder's notice satisfying the requirements set forth in Section A(3) of Article EIGHTH of the Company's Articles is delivered to the Secretary of the Company not later than the close of business on the later of the 90th day prior to such special meeting or the 10th day following the day on which public announcement is first made of the date of the special meeting and of the nominees proposed by the board of directors to be elected at such meeting. In no event shall the public announcement of an adjournment of a special meeting commence a new time period for the giving of a shareholder's notice as described above.

(C) General.

(1) Only such persons who are nominated in accordance with the procedures set forth in the Articles and in these By-laws shall be eligible to serve as directors and only such business shall be conducted at a meeting of shareholders as shall have been brought before the meeting in accordance with the procedures set forth in these By-laws or in the Articles of the Company. Except as otherwise provided by law, the Articles or these By-laws, the presiding officer of the meeting shall have the power and duty to determine whether any business proposed to be brought before the meeting was proposed in accordance with the procedures set forth in these By-laws or the Articles and, if any proposed business is not in compliance with these By-laws or the Articles, to declare that such defective proposal shall be disregarded.

(2) For purposes of these By-laws, "public announcement" shall mean disclosure in a press release reported by the Dow Jones News Service, Associated Press or comparable national news service or in a document publicly filed by the Company with the Securities and Exchange Commission pursuant to Section 13, 14 or 15(d) of the Exchange Act.

(3) Notwithstanding the foregoing provisions of these By-laws, a shareholder shall also comply with all applicable requirements of the Exchange Act with respect to the matters set forth in these By-laws; provided, however, that any references in these By-laws to the Exchange Act are not intended to and shall not limit the separate and additional requirements set forth in these By-laws with respect to nominations or proposals as to any other business to be considered pursuant to this Section 4 of this Article II. Nothing in these By-laws shall be deemed to affect any rights (i) of shareholders to request inclusion of proposals in the Company's proxy statement pursuant to Rule 14a-8 under the Exchange Act, including without limiting the generality of the foregoing, the time limits for notice of such proposals as provided under Rule 14a-8 under the Exchange Act or (ii) of the holders of any series of preferred stock to elect directors under specified circumstances. Subject to Rule 14a-8 under the Exchange Act, nothing in these By-laws shall be construed to permit any shareholder, or give any shareholder the right, to include or have disseminated or described in the Company's proxy statement any nomination of a director or directors or any other business proposal.

(D) Submission of Questionnaire, Representation and Agreement. To be eligible to be a nominee for election or reelection as a director of the Company, a person must deliver (in accordance with the time periods prescribed for delivery of notice under Section A(3) of Article EIGHTH of the Articles or Section 4(B) of this Article II, as applicable) to the Secretary of the Company a written questionnaire with respect to the background and qualification of such person and any other person or entity that such person may represent or on whose behalf the nomination is being made (which questionnaire shall be provided by the Secretary) and a written representation and agreement (in the form provided by the Secretary) that such person (A) has no agreement or understanding with any person or entity as to how such person will act or vote on any issue or question as a director, (B) is not and will not become a party to any agreement or understanding with any person or entity other than the Company with respect to compensation, reimbursement or indemnification in connection with service or action as a director, (C) will comply with the director stock ownership guidelines of the Company and (D) in such person's individual capacity and on behalf of any person or entity for whom such person may be a representative or on whose behalf the nomination is being made, has complied and will comply with all applicable corporate governance, conflicts, confidentiality and stock ownership and trading policies of the Company, including, for the avoidance of doubt, Section 5 of this Article II. In addition, a director nominee must comply with all applicable laws regarding service as a director of the Company, including, without limitation, the requirements as amended of: the Clayton Antitrust Act of 1914, 15 U.S.C. §19; the Company's Department of State export license; the Department of Defense rules and regulations applicable to the Company; the New York Stock Exchange and other exchanges on which the Company's securities are listed; and the minimum standards for service as a director prescribed in the Company's Corporate Governance Guidelines.

Section 5. *Election of Directors.* In any non-contested election of directors, any incumbent director nominee who receives a greater number of votes cast against his or her election than in favor of his or her election (excluding abstentions) by holders of shares entitled to vote in the election shall immediately tender his or her resignation, and the Board of Directors shall decide, through a process managed by the Governance and Nominating Committee and excluding the nominee in question, whether to accept the resignation at its next regularly scheduled Board meeting. The Board's explanation of its decision shall be promptly disclosed in accordance with the rules and regulations of the Securities and Exchange Commission. An election of directors shall be considered to be contested if there are more nominees for election than positions on the board of directors to be filled by election at the meeting of shareholders.

Section 6. *Shareholder Action by Written Consent.*

(A) Shareholder Action by Written Consent.

(1) Any action required or permitted to be taken at a meeting of the shareholders or of a class of shareholders of the Company may be taken without a meeting, provided that a consent or consents in writing to such action, setting forth the action so taken, shall be (1) signed by the shareholders who would have been entitled to cast the minimum number of votes that would be necessary to authorize the action at a meeting at which all shareholders entitled to vote thereon were present and voting and (2) filed with the Secretary of the Company. Delivery made to the Secretary shall be by hand or by certified or registered mail, return receipt requested, at the Company's principal executive offices.

(2) Every written consent shall bear the date of signature of each shareholder who signs the consent and no written consent shall be effective to take the corporate action referred to therein unless, within 45 days of the earliest dated written consent received in accordance with this Section 6 of this Article II, a written consent or consents signed by a sufficient number of holders to take such action are delivered to the Company in the manner prescribed in this Section 6. The Company shall provide prompt notice of such action to those shareholders entitled to vote on the action who have not consented.

(B) Record Date for Action by Written Consent.

(1) In order that the Company may determine the shareholders entitled to consent to corporate action in writing without a meeting, the board of directors may fix a record date, which record date shall not precede the earlier of (x) the date upon which the resolution fixing the record date is adopted by the board of directors and, if any, (y) the date upon which the Company received a request from a shareholder to set a record date for such action, and which date shall not be more than twenty days after the date upon which the resolution fixing the record date is adopted by the board of directors. Any shareholder of record seeking to have the shareholders authorize or take corporate action by written consent shall request the board of directors to fix a record date, which request shall be in proper form and delivered to the Secretary at the principal executive offices of the Company. To be in proper form, such request must be in writing and shall set forth and disclose:

(i) a brief description of the action or actions proposed to be taken by written consent, and reasons for such action(s) and any material interest in such action of each Proposing Shareholder (which, for purposes of this Section 6(B)(1), shall mean the shareholder requesting the record date, any beneficial shareholder on whose behalf the request is made and their respective affiliates and associates and others acting in concert therewith);

(ii) a description of all agreements, arrangements and understandings between a Proposing Shareholder and any other person or persons (including their names) in connection with the action proposed to be taken by written consent;

(iii) the information specified in Section 4(A)(2)(iii) through (xiv) of this Article II;

(iv) any other information relating to any Proposing Shareholder that would be required to be disclosed in a proxy statement and form of proxy or other filings required to be made in connection with solicitations of proxies for the action proposed to be taken by written consent pursuant to Section 14 of the Exchange Act;

(v) in the case of any director election proposed to be made by written consent, (X) the information required by Section A(3) of Article EIGHTH (but excluding clause (b) thereof) of the Company's Articles to be included in a shareholder's notice of director nominations and (Y) a description of all direct and indirect compensation and other material monetary agreements, arrangements and understandings during the past three years, and any other material relationships, between or among each Proposing Shareholder, on the one hand, and each proposed nominee and his or her respective affiliates and associates, or others acting in concert therewith, on the other hand, including, without limitation all information that would be required to be disclosed pursuant to Rule 404 promulgated under Regulation S-K if the Proposing Shareholder were the "registrant".

ARTICLE III - BOARD OF DIRECTORS

Section 1. *Number.* Until the board of directors has increased or decreased the number of the directors as hereinafter provided, the number of the directors shall be eleven. The board is hereby authorized to increase or decrease the number of the directors from time to time without a vote of the shareholders, provided, however, that such number shall not be less than seven nor more than fifteen.

Section 2. *General Powers.* The board of directors shall have power in general to manage the business and affairs of the Company consistent with the law, the Articles of the Company and these By-laws, and may from time to time adopt such regulations regarding the powers and duties of the respective officers, assistant officers and agents and the conduct of the Company's business as the board may deem proper and expedient.

Section 3. *Election and Nomination of Directors.* Candidates for election as directors at any annual meeting of shareholders shall be nominated and elected for terms to expire not later than the third annual meeting following their election, in accordance with the By-laws and Articles of the Company and applicable law.

Section 4. *Annual Meeting.* The board of directors shall without notice meet each year upon adjournment of the annual meeting of the shareholders at the principal office of the Company, or at such other time or place as shall be designated in a notice given to all nominees for director, for the purposes of organization, election of officers and consideration of any other business that may properly be brought before the meeting.

Section 5. *Regular Meetings.* Regular meetings of the board of directors shall be held at such times and places as shall be fixed by the board at any time in advance of the meeting date or designated in a notice of the meeting.

Section 6. *Special Meetings.* Special meetings of the board of directors may be called by the chairman of the board, a vice chairman of the board, the president or any two directors.

Section 7. *Notice of Regular and Special Meetings.* No notice of a regular meeting of the board of directors shall be necessary if the meeting is held at the time and place fixed by the board in advance of the meeting date. Notice of any regular meeting to be held at another time or place and of all special meetings of the board, setting forth the time and place of the meeting, shall be given by letter or other writing deposited in the United States mail or with an express mail or private courier service not later than during the second day immediately preceding the day for such meeting, or by word of mouth, telephone, facsimile or other oral or written means received not later than during the day immediately preceding the day for such meeting.

Section 8. *Quorum*. A majority of the directors in office shall be necessary to constitute a quorum for the transaction of business at a meeting of the board of directors, but if at any meeting a quorum shall not be present the meeting may adjourn from time to time until a quorum shall be present.

Section 9. *Executive Committee*. The board of directors may, by resolution adopted by a majority of the whole board, designate three or more of the directors to constitute an executive committee which to the extent provided in a resolution adopted by a majority of the whole board shall have and exercise the authority of the board in the management of the business and affairs of the Company except as otherwise limited by law.

Section 10. *Audit Committee*. The board of directors shall, by resolution adopted by a majority of the whole board, designate three or more of the directors to constitute an audit committee. Audit committee members shall not be officers or full time employees of the Company or its subsidiaries. The audit committee shall have such authority and shall perform such duties as shall be provided from time to time in accordance with resolutions of the board.

Section 11. *Compensation and Benefits Committee*. The board of directors may, by resolution adopted by a majority of the whole board, designate three or more of the directors to constitute a compensation committee which to the extent provided in such resolution or other action by the board shall have and exercise the authority (a) to fix and determine, and change from time to time, the compensation of all officers of the Company elected by the board, including, but not restricted to, monthly or other periodic compensation and incentive or other additional compensation, (b) to authorize or approve all contracts of the Company with any officer for remuneration (whether in the form of a pension, deferred compensation or otherwise) to be paid from the general funds of the Company after the termination of regular employment of such officer, and (c) to administer or perform specified functions under any one or more of the stock option or other incentive, pension or benefit plans of the Company; provided that the said committee shall not exercise any of its said authority with respect to any of its members.

Section 12. *Compensation of Assistant Officers and Agents*. Unless otherwise determined by the board of directors, the chief executive officer of the Company shall have the authority to fix and determine, and change from time to time, the compensation of all assistant officers and agents of the Company elected or appointed by the board or by the chief executive officer, including, but not restricted to, monthly or other periodic compensation and incentive or other additional compensation.

Section 13. *Limitation Regarding Incentive Plans*. Nothing contained in the foregoing two sections of this Article III shall be construed to vest, or to authorize vesting, in the chief executive officer of the Company any authority with respect to stock options or other incentives under plans which provide for administration by the board of directors or a committee thereof.

Section 14. *Other Committees*. In addition to the committees described in this Article III, the board of directors may, by resolution adopted by a majority of the whole board, designate one or more other committees of the board, each of which shall consist of one or more of the directors. Each such other committee shall have such authority and shall perform such other duties as may be provided from time to time in resolutions of the board.

Section 15. *Substitute Committee Members*. In the absence or disqualification of any member of any committee of the board of directors, the member or members thereof present at any meeting and not disqualified from voting, whether or not such member or members constitute a quorum, may unanimously appoint another director to act at the meeting in the place of any such absent or disqualified member.

Section 16. *Participation by Conference Telephone.* One or more directors may participate in a meeting of the board of directors or of a committee thereof by means of conference telephone or similar communications equipment by means of which all persons participating in the meeting can hear each other.

Section 17. *Personal Liability of Directors.* To the fullest extent that the laws of the Commonwealth of Pennsylvania, as in effect on May 15, 1987 or as thereafter amended, permit elimination or limitation of the liability of directors, no director of the Company shall be personally liable for monetary damages for any action taken, or any failure to take any action. This Section 17 shall not apply to any action filed prior to May 15, 1987, nor to any breach of performance of duty or any failure of performance of duty occurring prior to May 15, 1987. The provisions of this Section shall be deemed to be a contract with each director of the Company who serves as such at any time while such provisions are in effect, and each such director shall be deemed to be serving as such in reliance on the provisions of this Section. Any amendment or repeal of this Section or adoption of any other By-law or provision of the Articles of the Company which has the effect of increasing director liability shall operate prospectively only and shall not affect any action taken, or any failure to act, prior to such amendment, repeal or adoption. This Section 17 may be amended or repealed only with the affirmative vote of the holders of a majority of the outstanding shares of common stock of the Company.

ARTICLE IV - OFFICERS

Section 1. *Number and Election.* The board of directors at its annual meeting shall elect a president, a secretary and a treasurer, or persons who act as such, and may elect a chairman of the board, one or more vice presidents, a controller, a general counsel and such other officers and assistant officers as the board may deem appropriate. The board shall from time to time designate the chief executive officer who shall be either the chairman of the board or the president. The board may also from time to time elect such other officers and assistant officers and appoint such agents as it may deem appropriate. Assistant officers and agents also may be appointed by the chief executive officer.

Section 2. *Qualifications.* The chairman of the board shall be a member of the board of directors but the other officers need not be directors.

Section 3. *Term of Office.* Each officer and assistant officer shall hold office until the annual meeting of the board of directors next following the meeting of the board at which such officer or assistant officer is elected, except in the case of earlier death, resignation or removal.

Section 4. *Chairman of the Board.* The chairman of the board shall preside at all meetings of the board of directors at which such chairman is present. In the absence of the chairman of the board, a vice chairman of the board, the president or another director, in the order designated by the chairman of the board, shall preside at meetings of the board of directors. If the chairman of the board is not the chief executive officer, the chairman of the board shall have such powers and perform such other duties as the president may from time to time delegate to such chairman, except as otherwise determined by the board.

Section 5. *President.* If the president is not the chief executive officer, the president shall have such powers and perform such other duties as the chairman of the board may from time to time delegate to the president, except as otherwise determined by the board.

Section 6. *Vice Presidents*. Each vice president, including any vice president designated as executive, senior or otherwise, shall have such powers and perform such duties as the chairman of the board or the president may from time to time delegate to such vice president, except as otherwise determined by the board of directors.

Section 7. *Secretary*. The secretary shall attend meetings of the shareholders, the board of directors and the executive committee, shall keep minutes thereof in suitable books, and shall send out all notices of meetings as required by law or these By-laws. The secretary shall be ex officio an assistant treasurer. The secretary shall, in general, perform all duties incident to the office of secretary.

Section 8. *Treasurer*. The treasurer shall receive all money paid to the Company and keep or cause to be kept accurate accounts of all money received or payments made in books kept for that purpose. The treasurer shall deposit all money received by the treasurer in the name and to the credit of the Company in banks or other places of deposit. The treasurer shall disburse the money of the Company by checks or vouchers. The treasurer shall be ex officio an assistant secretary. The treasurer shall, in general, perform all duties incident to the office of treasurer.

Section 9. *Controller*. The controller shall be responsible for the implementation of accounting policies and procedures, the installation and supervision of all accounting records, including the preparation and interpretation of financial statements, the compilation of production costs and cost distributions and the taking and valuation of physical inventories. The controller shall also be responsible for the maintenance of adequate records of authorized appropriations and the approval for payment of all checks and vouchers. The controller shall, in general, perform all duties incident to the office of controller.

Section 10. *General Counsel*. The general counsel shall advise the Company on legal matters affecting the Company and its activities and shall supervise and direct the handling of all such legal matters. The general counsel shall, in general, perform all duties incident to the office of general counsel.

Section 11. *Assistant Officers*. Each assistant officer shall have such powers and perform such duties as may be delegated to such assistant officer by the officer to whom such assistant officer is an assistant or, in the absence or inability to act of such officer, by the officer to whom such officer reports or by the chief executive officer.

ARTICLE V - INDEMNIFICATION

Section 1. *Indemnification Granted*. Every person who is or was a director, officer or employee of the Company or of any other corporation, partnership, joint venture, trust or other enterprise which such person serves or served as such at the request of the Company (hereinafter referred to as an "eligible person") shall in accordance with this Article V, but not if prohibited by law, be indemnified by the Company as hereinafter provided against reasonable expense and any liability paid or incurred by such person in connection with or resulting from any claim in which such person may be involved, as a party or otherwise, by reason of such person's being or having been a director, officer or employee of the Company or such other enterprise, whether or not such person continues to be such at the time such liability or expense shall have been paid or incurred.

Section 2. *Certain Definitions*. As used in this Article V, the term "claim" shall mean any threatened or actual claim, action, suit or proceeding (whether brought by or in the right of the Company or such other enterprise or otherwise), whether civil, criminal, administrative or investigative; the term "expense" shall mean counsel fees and disbursements and all other expenses (except any liability) incurred in connection with any claim; and the term "liability" shall mean amounts of judgments, fines or penalties against, and amounts paid in settlement by, an eligible person with respect to any claim.

Section 3. *Expense Reimbursement to the Extent Successful.* Any eligible person who has been wholly successful, on the merits or otherwise, with respect to any claim shall be reimbursed by the Company for such person's reasonable expense. Any eligible person who has been partially successful shall be proportionately reimbursed by the Company for such person's reasonable expense.

Section 4. *Indemnification Where Not Wholly Successful.* Any eligible person who has been partially unsuccessful and any other eligible person not described in Section 3 of this Article V shall be reimbursed by the Company for such person's reasonable expense and for any liability if a Referee shall deliver to the Company the written finding of such Referee that such person acted in good faith and in a manner such person reasonably believed to be in, or not opposed to, the best interests of the Company, and in addition with respect to any criminal action or proceeding, had no reasonable cause to believe the conduct of such person was unlawful. Where such person is found by the Referee to have met the foregoing standards of conduct with respect to one or more but not all the claims made against such person, such person shall be entitled to indemnification for such expense and liability in such proportion as the Referee shall determine. The termination of any claim by judgment, order, settlement (whether with or without court approval), adverse decision, or conviction after trial or upon a plea of guilty or of nolo contendere or its equivalent, shall not of itself create a presumption that an eligible person did not meet the foregoing standards of conduct. The person claiming indemnification shall, at the request of the Referee, appear before the Referee and answer questions which the Referee deems relevant and shall be given ample opportunity to present to the Referee evidence upon which such person relies for indemnification; and the Company shall at the request of the Referee, make available to the Referee facts, opinions or other evidence in any way relevant for the Referee's finding which are within the possession or control of the Company. As used in this Article V, the term "Referee" shall mean independent legal counsel (who may be regular independent legal counsel of the Company), or other disinterested person or persons, selected to act as such hereunder by the board of directors of the Company, whether or not a disinterested quorum exists.

Section 5. *Advancement of Expenses.* Any expense incurred with respect to any claim may be advanced by the Company prior to the final disposition thereof upon receipt of an undertaking by or on behalf of the recipient to repay such amount if it is ultimately determined that such recipient is not to be indemnified under this Article V.

Section 6. *Article V Not Exclusive; Survival of Rights.* The rights of indemnification provided in this Article V shall be in addition to any rights to which any eligible person may otherwise be entitled by contract or as a matter of law; and in the event of such person's death, such rights shall extend to the heirs and legal representatives of such person.

ARTICLE VI - SHARE CERTIFICATES AND TRANSFERS

Section 1. *Share Certificates.* Share certificates shall be in such form as the board of directors may from time to time determine. Each certificate shall be signed by the chairman of the board, the president, the treasurer or the secretary of the Company, by manual or facsimile signature.

Section 2. *Transfer Agent and Registrar.* The board of directors may from time to time appoint one or more transfer agents and may appoint one or more registrars of transfer, each to act with respect to such preferred and common shares of the Company as the board of directors may designate. No share certificate of the Company shall be valid or binding unless countersigned, manually or by facsimile signature,

by a transfer agent if one has been appointed to act with respect to the shares evidenced by such certificate, and registered before issue by a registrar if one has been appointed to act with respect to the shares evidenced by such certificate.

Section 3. *Signatures by Former Corporate Officers or Agents.* In case any officer of the Company, or any authorized signatory of any transfer agent or registrar, who has signed, or whose facsimile signature has been placed upon, any share certificate shall have ceased to be such officer or authorized signatory because of death, resignation or otherwise, before the certificate is issued, it may be issued with the same effect as if the officer or authorized signatory had not ceased to be such at the date of its issue.

ARTICLE VII - AMENDMENTS

These By-laws may be altered, amended, added to or repealed by the board of directors at any meeting of the board duly convened with or without notice of that purpose, subject to the power of the shareholders to change such action.

ARTICLE VIII - INDEMNIFICATION FOR DIRECTORS

Section 1. *Right to Indemnification.* Except as prohibited by law, every director of the Company shall be entitled as of right to be indemnified by the Company against expenses and any liability paid or incurred by such person in connection with any actual or threatened claim, action, suit or proceeding, civil, criminal, administrative, investigative or other, whether brought by or in the right of the Company or otherwise, in which he or she may be involved, as a party or otherwise, by reason of such person being or having been a director of the Company or by reason of the fact that such person is or was serving at the request of the Company as a director, officer, employee, fiduciary or other representative of another corporation, partnership, joint venture, trust, employee benefit plan or other entity (such claim, action, suit or proceeding hereinafter being referred to as a "claim"); provided, that no such right of indemnification shall exist with respect to a claim brought by a director against the Company except as provided in the last sentence of this Section 1. Indemnification hereunder shall include the right to have expenses incurred by such person in connection with a claim paid in advance by the Company prior to final disposition of such claim, subject to any obligation which may be imposed by law, By-law, agreement or otherwise to reimburse the Company in certain events. As used herein, "expenses" shall include fees and expenses of counsel selected by any such director and "liability" shall include amounts of judgments, excise taxes, fines, penalties and amounts paid in settlement. With respect to any claim brought by a director or other person against the Company, the director or other person shall be entitled to be indemnified for expenses incurred in connection with such claim pursuant to this Section 1 only (i) if the claim is a suit brought as a claim for indemnity under Section 2 of this Article VIII or otherwise, (ii) if the director or other person is successful in whole or in part in the claim for which expenses are claimed or (iii) if the indemnification for expenses is included in a settlement of the claim or is awarded by a court.

Section 2. *Right of Claimant to Bring Suit.* If a claim under Section 1 of this Article VIII is not paid in full by the Company within thirty days after a written claim has been received by the Company, the claimant may at any time thereafter bring suit against the Company to recover the unpaid amount of the claim and, if successful in whole or in part, the claimant shall also be entitled to be paid the expense of prosecuting such claim. It shall be a defense to any such suit to recover indemnification that the claimant's conduct was such that under Pennsylvania law the Company is prohibited from indemnifying the claimant for the amount claimed, but the burden of proving such defense shall be on the Company. Neither the failure of the Company (including its board of directors, legal counsel and its shareholders) to have made a determination

prior to the commencement of such suit that indemnification of the claimant is proper in the circumstances, nor an actual determination by the Company (including its board of directors, legal counsel or its shareholders) that the claimant's conduct was such that indemnification is prohibited by law, shall be a defense to the suit to recover indemnification or create a presumption that the claimant's conduct was such that indemnification is prohibited by law. The only defense to any such suit to receive payment of expenses in advance shall be failure to make an undertaking to reimburse if such an undertaking is required by law, By-law, agreement or otherwise.

Section 3. *Insurance and Funding.* The Company may purchase and maintain insurance to protect itself and any person eligible to be indemnified hereunder against any liability or expense asserted or incurred by such person in connection with any claim, whether or not the Company would have the power to indemnify such person against such liability or expense by law or under the provisions of this Article. The Company may create a trust fund, grant a security interest, cause a letter of credit to be issued or use other means (whether or not similar to the foregoing) to ensure the payment of such sums as may become necessary to effect indemnification as provided herein.

Section 4. *Non-Exclusivity; Nature and Extent of Rights.* The right of indemnification provided for in this Article VIII (i) shall not be deemed exclusive of any other rights, whether now existing or hereafter created, to which those seeking indemnification hereunder may be entitled under any provision of the Articles or By-laws, or any agreement, vote of shareholders or directors or otherwise, (ii) shall be deemed to create contractual rights in favor of persons entitled to indemnification hereunder, (iii) shall continue as to persons who have ceased to have the status pursuant to which they were entitled or were denominated as entitled to indemnification hereunder and shall inure to the benefit of the heirs and legal representatives of persons entitled to indemnification hereunder and (iv) shall be applicable to claims commenced after the adoption hereof, whether arising from acts or omissions occurring before or after the adoption hereof. The right of indemnification provided for herein may not be amended or repealed so as to limit in any way the indemnification provided for herein with respect to any acts or omissions occurring prior to any such amendment or repeal.

(Amended May 4, 2012)

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