
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-Q

(Mark One)

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

OR

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

For the Quarter Ended June 30, 2003

Commission File Number 1-3610

ALCOA INC.

(Exact name of registrant as specified in its charter)

PENNSYLVANIA
(State of incorporation)

201 Isabella Street, Pittsburgh, Pennsylvania
(Address of principal executive offices)

25-0317820
(I.R.S. Employer Identification No.)

15212-5858
(Zip Code)

Office of Investor Relations 212-836-2674
Office of the Secretary 412-553-4707

(Registrant's telephone number including area code)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months, and (2) has been subject to such filing requirements for the past 90 days.

Yes No

Indicate by check mark whether the registrant is an accelerated filer (as defined in Rule 12b-2 of the Exchange Act).

Yes No

As of July 18, 2003, 846,084,274 shares of common stock, par value \$1.00 per share, of the Registrant were outstanding.

PART I – FINANCIAL INFORMATION

Item 1. – Financial Statements.

Alcoa and subsidiaries
Condensed Consolidated Balance Sheet (unaudited)
(in millions)

	June 30 2003	December 31 2002
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 430	\$ 344
Receivables from customers, less allowances of \$111 in 2003 and \$120 in 2002	2,590	2,378
Other receivables	254	174
Inventories (G)	2,524	2,441
Deferred income taxes	454	468
Prepaid expenses and other current assets	471	508
Total current assets	6,723	6,313
Properties, plants and equipment, at cost	24,149	23,120
Less: accumulated depreciation, depletion and amortization	11,862	11,009
Net properties, plants and equipment	12,287	12,111
Goodwill	6,383	6,365
Other assets	4,740	4,446
Assets held for sale (D)	638	575
Total assets	\$ 30,771	\$ 29,810
LIABILITIES		
Current liabilities:		
Short-term borrowings	\$ 24	\$ 37
Accounts payable, trade	1,774	1,618
Accrued compensation and retirement costs	892	933
Taxes, including taxes on income	743	818
Other current liabilities	1,124	970
Long-term debt due within one year	88	85
Total current liabilities	4,645	4,461
Long-term debt, less amount due within one year	7,945	8,365
Accrued postretirement benefits	2,279	2,320
Other noncurrent liabilities and deferred credits (H)	3,328	2,878
Deferred income taxes	552	502
Liabilities of operations held for sale (D)	117	64
Total liabilities	18,866	18,590
MINORITY INTERESTS	1,516	1,293
COMMITMENTS AND CONTINGENCIES (I)		
SHAREHOLDERS' EQUITY		
Preferred stock	55	55
Common stock	925	925
Additional capital	6,088	6,101
Retained earnings	7,413	7,428
Treasury stock, at cost	(2,792)	(2,828)
Accumulated other comprehensive loss (J)	(1,300)	(1,754)
Total shareholders' equity	10,389	9,927
Total liabilities and equity	\$ 30,771	\$ 29,810

The accompanying notes are an integral part of the financial statements.

Alcoa and subsidiaries
Condensed Statement of Consolidated Income (unaudited)
(in millions, except per-share amounts)

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Sales	\$ 5,460	\$ 5,158	\$ 10,572	\$ 10,058
Cost of goods sold	4,347	4,108	8,420	8,076
Selling, general administrative and other expenses	343	272	637	545
Research and development expenses	50	52	100	103
Provision for depreciation, depletion and amortization	303	267	588	526
Special items (F)	(15)	—	(19)	—
Interest expense	81	83	169	158
Other income, net (L)	(57)	(34)	(94)	(89)
	<u>5,052</u>	<u>4,748</u>	<u>9,801</u>	<u>9,319</u>
Income from continuing operations before taxes on income	408	410	771	739
Provision for taxes on income (M)	106	126	215	230
	<u>302</u>	<u>284</u>	<u>556</u>	<u>509</u>
Income from continuing operations before minority interests' share	302	284	556	509
Less: Minority interests' share	75	47	134	88
	<u>227</u>	<u>237</u>	<u>422</u>	<u>421</u>
Income from continuing operations	227	237	422	421
Loss from discontinued operations (D)	(11)	(5)	(8)	(5)
Cumulative effect of accounting change (B)	—	—	(47)	34
	<u>216</u>	<u>232</u>	<u>367</u>	<u>450</u>
NET INCOME	\$ 216	\$ 232	\$ 367	\$ 450
EARNINGS PER SHARE (K)				
Basic:				
Income from continuing operations	\$.27	\$.28	\$.50	\$.50
Loss from discontinued operations	(.01)	(.01)	(.01)	(.01)
Cumulative effect of accounting change	—	—	(.06)	.04
	<u>.26</u>	<u>.27</u>	<u>.43</u>	<u>.53</u>
Net income	\$.26	\$.27	\$.43	\$.53
Diluted:				
Income from continuing operations	\$.27	\$.28	\$.50	\$.49
Loss from discontinued operations	(.01)	(.01)	(.01)	(.01)
Cumulative effect of accounting change	—	—	(.06)	.04
	<u>.26</u>	<u>.27</u>	<u>.43</u>	<u>.52</u>
Net income	\$.26	\$.27	\$.43	\$.52
Dividends paid per common share	\$.15	\$.15	\$.30	\$.30

The accompanying notes are an integral part of the financial statements.

Alcoa and subsidiaries
Condensed Statement of Consolidated Cash Flows (unaudited)
(in millions)

	Six months ended June 30	
	2003	2002
CASH FROM OPERATIONS		
Net income	\$ 367	\$ 450
Adjustments to reconcile net income to cash from operations:		
Depreciation, depletion and amortization	592	529
Change in deferred income taxes	18	(7)
Equity income, net of dividends	(23)	(6)
Noncash special items (F)	(19)	—
Gains from investing activities—sale of assets	(13)	(3)
Minority interests	134	88
Loss from discontinued operations (D)	8	5
Accounting changes (B)	47	(34)
Other	15	41
Changes in assets and liabilities, excluding effects of acquisitions and divestitures:		
Increase in receivables	(101)	(90)
Reduction in inventories	8	108
Reduction (increase) in prepaid expenses and other current assets	58	(61)
Reduction in accounts payable and accrued expenses	(43)	(159)
Reduction in taxes, including taxes on income	(124)	(97)
Cash received on long-term aluminum supply contract	440	—
Net change in noncurrent assets and liabilities	(146)	(115)
(Increase) reduction in net assets held for sale	(6)	17
	<u>1,212</u>	<u>666</u>
CASH PROVIDED FROM CONTINUING OPERATIONS	1,212	666
CASH PROVIDED FROM DISCONTINUED OPERATIONS	3	1
	<u>1,215</u>	<u>667</u>
FINANCING ACTIVITIES		
Net changes to short-term borrowings	(13)	(87)
Common stock issued for stock compensation plans	20	43
Repurchase of common stock	—	(212)
Dividends paid to shareholders	(255)	(255)
Dividends paid to minority interests	(85)	(83)
Net change in commercial paper	(423)	639
Additions to long-term debt	247	10
Payments on long-term debt	(254)	(37)
	<u>(763)</u>	<u>18</u>
CASH (USED FOR) PROVIDED FROM FINANCING ACTIVITIES	(763)	18
INVESTING ACTIVITIES		
Capital expenditures	(401)	(565)
Capital expenditures of discontinued operations	(3)	(6)
Acquisitions, net of cash acquired	(8)	(139)
Proceeds from the sale of assets	20	42
Additions to investments	(4)	(21)
Sale of investments	2	—
Changes in short-term investments	22	(23)
Changes in minority interests	—	(39)
Other	(8)	—
	<u>(380)</u>	<u>(751)</u>
CASH USED FOR INVESTING ACTIVITIES	(380)	(751)
EFFECT OF EXCHANGE RATE CHANGES ON CASH	14	(33)
	<u>86</u>	<u>(99)</u>
Net change in cash and cash equivalents	86	(99)
Cash and cash equivalents at beginning of year	344	512
	<u>\$ 430</u>	<u>\$ 413</u>
CASH AND CASH EQUIVALENTS AT END OF PERIOD	\$ 430	\$ 413

The accompanying notes are an integral part of the financial statements.

Notes to Condensed Consolidated Financial Statements
(dollars in millions, except per-share amounts)

A. Basis of Presentation – The Condensed Consolidated Financial Statements are unaudited. These statements include all adjustments, consisting of normal recurring accruals, considered necessary by management to fairly present the results of operations, financial position and cash flows. The results reported in these Condensed Consolidated Financial Statements are not necessarily indicative of the results that may be expected for the entire year.

This Form 10-Q report should be read in conjunction with Alcoa’s annual report on Form 10-K for the year ended December 31, 2002, which includes all disclosures required by accounting principles generally accepted in the United States of America.

B. Recently Adopted Accounting Standards – Effective January 1, 2003, Alcoa adopted Statement of Financial Accounting Standards (SFAS) No. 143, “Accounting for Asset Retirement Obligations.” Under this new standard, Alcoa recognized additional liabilities, at fair value, of approximately \$136 at January 1, 2003, for asset retirement obligations (ARO’s), consisting primarily of costs associated with spent pot lining disposal, bauxite residue disposal, mine reclamation and landfills. These costs reflect the legal obligations associated with the normal operation of Alcoa’s bauxite mining, alumina refining, and aluminum smelting facilities. Alcoa had previously recorded liabilities for certain of these costs. Additionally, Alcoa capitalized asset retirement costs by increasing the carrying amount of related long-lived assets, primarily machinery and equipment, and recorded associated accumulated depreciation from the time the original assets were placed into service. At January 1, 2003, Alcoa increased the following: net properties, plants and equipment by \$74, net deferred tax assets by \$22 and minority interests’ share by \$7.

The cumulative effect adjustment recognized upon adoption of this standard was \$47, consisting primarily of costs to establish assets and liabilities related to spent pot lining disposal for pots currently in operation. Net income for the six-months ended June 30, 2002 and for the full year of 2002 would not have been materially different if this standard had been adopted effective January 1, 2002.

The changes in the carrying amount of ARO’s for the six-months ended June 30, 2003, and the pro forma impact for the year ended December 31, 2002, as if this standard had been adopted effective January 1, 2002, follow.

	Six months ended June 30, 2003	(Pro forma) Year ended December 31, 2002
Balance at beginning of period	\$ 224	\$ 214
Accretion expense	8	12
Payments	(12)	(27)
Liabilities incurred	8	22
Translation and other	(12)	3
Balance at end of period	<u>\$ 216</u>	<u>\$ 224</u>

In addition to the ARO’s discussed above, Alcoa may have other obligations in the event of a permanent plant shutdown. However, these plant assets have indeterminate lives and, therefore, the associated ARO’s are not reasonably estimable and liabilities cannot be established.

In 2002, Alcoa adopted SFAS No. 141, “Business Combinations” and SFAS No. 142 “Goodwill and Other Intangible Assets.” As a result, Alcoa recognized a cumulative effect adjustment of \$34 in the first quarter of 2002, consisting of income from the write-off of negative goodwill from prior acquisitions of \$49, offset by a \$15 write-off for the impairment of goodwill in the automotive business resulting from a change in the criteria for the measurement of impairments from an undiscounted to a discounted cash flow method.

C. Stock-Based Compensation – Stock options granted under the company’s stock incentive plans are granted at market prices on the date of grant and include a reload or stock continuation ownership feature. Stock options granted have a maximum term of ten years. Vesting periods for new option grants prior to 2003 are one year from the date of grant and six months for options granted under the reload feature. New option grants issued after this date vest one-third in each of the three years from the date of the grant, and the reload feature of new options is subject to cancellation or modification.

Alcoa accounts for stock-based compensation in accordance with the provisions of Accounting Principles Board Opinion No. 25, “Accounting for Stock Issued to Employees,” and related interpretations using the intrinsic value method, which resulted in no compensation cost for options granted.

Alcoa’s net income and earnings per share would have been reduced to the pro forma amounts shown below if compensation cost had been determined based on the fair value at the grant dates in accordance with SFAS Nos. 123 and 148, “Accounting for Stock-Based Compensation.”

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Net income, as reported	\$ 216	\$ 232	\$ 367	\$ 450
Less: compensation cost determined under the fair value method, net of tax	4	34	8	66
Pro forma net income	\$ 212	\$ 198	\$ 359	\$ 384
Basic earnings per share:				
As reported	\$.26	\$.27	\$.43	\$.53
Pro forma	.25	.23	.42	.45
Diluted earnings per share:				
As reported	\$.26	\$.27	\$.43	\$.52
Pro forma	.25	.23	.42	.44

D. Discontinued Operations and Assets Held for Sale – During the fourth quarter of 2002, Alcoa performed a portfolio review of its businesses and the markets they serve. As a result of this review, Alcoa committed to a plan to divest certain noncore businesses that do not meet internal growth and return measures. Certain of the businesses to be divested were classified as discontinued operations and they include Alcoa’s commodity automotive fasteners business, certain fabricating businesses serving the residential building and construction market in North America, and a packaging business in South America. These businesses were previously included within the Engineered Products and Packaging and Consumer segments and have been reclassified to corporate. The protective packaging business acquired in the Ivex Packaging Corporation acquisition in 2002 was also included in discontinued operations. The financial information for 2002 for these businesses has been reclassified to reflect these businesses as assets held for sale and liabilities of operations held for sale on the Condensed Consolidated Balance Sheet and as discontinued operations on the Condensed Statement of Consolidated Income. The following table details selected financial information for the businesses included within discontinued operations.

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Sales	\$ 93	\$ 87	\$ 183	\$ 170
(Loss) income from operations	—	(5)	3	(5)
Loss from impairment	(11)	—	(11)	—

Certain other businesses to be divested are classified as assets held for sale due to management's belief that Alcoa may enter into supply agreements in connection with the sale of these businesses. These businesses to be divested principally include certain architectural products businesses in North America, certain fabricating and packaging operations in South America, and foil facilities in St. Louis, MO and Russellville, AR. The operating results of these businesses are included within the Engineered Products, Flat-Rolled Products, and Packaging and Consumer segments. The assets and liabilities of these businesses have been classified as assets held for sale and liabilities of operations held for sale on the Condensed Consolidated Balance Sheet. Alcoa continues to actively market these businesses. Alcoa expects that all of the businesses will be sold within a one-year period.

In the second quarter of 2003, Alcoa made adjustments to certain impairment charges recognized in the fourth quarter of 2002 to reflect revisions to estimated fair values of assets held for sale and discontinued operations. These adjustments consisted of a \$43 increase in estimated fair value and \$10 for a reduction in estimated fair value on various businesses that were recorded as special items on the Condensed Statement of Consolidated Income. Additionally, a charge of \$11 was recognized in loss from discontinued operations on the Condensed Statement of Consolidated Income. The fair values that are ultimately realized upon the sale of the businesses to be divested may differ from currently estimated fair values.

For further details on discontinued operations and assets held for sale, see Note B to the audited financial statements contained in the Annual Report on Form 10-K for the year ended December 31, 2002.

E. Acquisitions – In May of 2003, Alcoa announced that it had reached an agreement in principle with Camargo Correa Group ("Camargo Group") to acquire their 40.9% shareholding in Alcoa's Latin American operations, which they have held since 1984. Alcoa will issue to the Camargo Group 17.8 million shares of Alcoa common stock, valued at approximately \$410, in exchange for the Camargo Group's holdings. The agreement also provides for contingent purchase price payments over the next five years based on the performance of the Latin American operations. The maximum amount of contingent payments is \$235. The contingent payments will be reduced by appreciation on the Alcoa shares issued in the transaction, as specified in the agreement.

F. Special Items – During 2002, Alcoa recorded special charges of \$407 (\$261 after tax and minority interests) for restructurings, consisting of a charge of \$39 in the third quarter of 2002 as a result of the curtailment of aluminum production at three smelters; a charge of \$154 in the fourth quarter of 2002 related to restructuring operations in the U.S. smelting system and for those businesses experiencing negligible growth due to continued market declines in aerospace, automotive, and industrial gas turbine markets; and \$214 in the fourth quarter of 2002 related to impairment charges on businesses to be divested that have failed to meet internal growth and return measures. The charges of \$407 are comprised of \$278 for asset write-downs, consisting of \$136 of goodwill on businesses to be divested, as well as \$142 for structures, machinery, and equipment; \$105 for employee termination and severance costs related to approximately 8,500 hourly and salaried employees at over 70 locations, primarily in Mexico, Europe, and the U.S.; and charges of \$31 for exit costs, primarily for remediation, demolition, and lease termination costs.

As of June 30, 2003, approximately 3,800 of the 8,500 employees associated with the 2002 restructuring program had been terminated. In the second quarter of 2003, certain of the fourth quarter of 2002 impairment charges related to assets held for sale were adjusted to reflect current estimated fair values, including a \$43 increase in estimated fair value and \$10 for a reduction in estimated fair value on various businesses. During the second quarter of 2003, Alcoa recorded additional special charges of \$18 associated with employee termination and severance costs in businesses serving the industrial gas turbine market and in primary metals. Additionally, in the first quarter of 2003, \$4 of reversals of 2002 restructuring charges were recorded.

During 2001, Alcoa recorded charges of \$565 (\$355 after tax and minority interests) as a result of a restructuring plan based on a strategic review of the company's primary products and fabricating businesses aimed at optimizing and aligning its manufacturing systems with customer needs, while positioning the company for stronger profitability. These charges were comprised of asset write-downs of \$371; employee termination and severance costs of \$178 related to workforce reductions of approximately 10,400 hourly and salaried employees, primarily located outside of the U.S.; and other exit costs of \$16 related to the shutdown of facilities. These charges were primarily due to actions taken in Alcoa's primary products and fabricating businesses because of economic and competitive conditions and included the shutdown of 18 facilities in the U.S. and Europe. The results of operations related to these facilities were not material.

As of June 30, 2003, approximately 9,500 of the 10,650 employees (comprised of 10,400 from above as well as an additional 250 announced in 2002) associated with the 2001 restructuring program had been terminated.

The reserve balances consisted of the following.

	<u>Asset write-downs</u>	<u>Employee termination and severance costs</u>	<u>Other</u>	<u>Total</u>
2001:				
Total restructuring charges	\$ 371	\$ 178	\$ 16	\$ 565
Cash payments	(3)	(32)	(5)	(40)
Noncash charges	(288)	—	—	(288)
Reserve balances at December 31, 2001	<u>\$ 80</u>	<u>\$ 146</u>	<u>\$ 11</u>	<u>\$ 237</u>
2002:				
Cash payments	(17)	(74)	(13)	(104)
2002 restructuring charges	278	105	31	414
Noncash charges in 2002	(278)	—	—	(278)
Additions to 2001 restructuring charges	9	9	—	18
Reversals of 2001 restructuring charges	(10)	(20)	(2)	(32)
Reserve balances at December 31, 2002	<u>\$ 62</u>	<u>\$ 166</u>	<u>\$ 27</u>	<u>\$ 255</u>
2003:				
Cash payments	(2)	(79)	(19)	(100)
2003 restructuring charges	—	18	—	18
Additions to 2002 restructuring charges	10	—	—	10
Reversals of 2002 restructuring charges	(45)	(2)	—	(47)
Noncash additions/reversals to the reserves in 2003	33	—	—	33
Reserve balances at June 30, 2003	<u>\$ 58</u>	<u>\$ 103</u>	<u>\$ 8</u>	<u>\$ 169</u>

For further details on the restructurings, see Note C to the audited financial statements contained in the Annual Report on Form 10-K for the year ended December 31, 2002.

G. Inventories

	June 30 2003	December 31 2002
Finished goods	\$ 795	\$ 754
Work in process	782	750
Bauxite and alumina	336	341
Purchased raw materials	414	420
Operating supplies	197	176
	<u>\$ 2,524</u>	<u>\$ 2,441</u>

Approximately 47% of total inventories at June 30, 2003, was valued on a LIFO basis. If valued on an average cost basis, total inventories would have been \$540 and \$514 higher at June 30, 2003 and December 31, 2002, respectively.

H. Other Noncurrent Liabilities and Deferred Credits – During the second quarter of 2003, Alcoa received a partial advance payment of \$440 related to a long-term aluminum supply contract with a customer. Each month for a six-year period, the customer will purchase and Alcoa is required to deliver 7,500 tons of aluminum at market prices. Alcoa has deposited \$7 into a cash collateral account to satisfy one month's delivery obligation under the aluminum supply contract.

I. Commitments and Contingencies – Various lawsuits, claims and proceedings have been or may be instituted or asserted against Alcoa, including those pertaining to environmental, product liability, and safety and health matters. While the amounts claimed may be substantial, the ultimate liability cannot now be determined because of the considerable uncertainties that exist. Therefore, it is possible that results of operations or liquidity in a particular period could be materially affected by certain contingencies. However, based on facts currently available, management believes that the disposition of matters that are pending or asserted will not have a materially adverse effect on the financial position of the company.

Alcoa Aluminio S.A. (Aluminio) is a participant in several hydroelectric construction projects in Brazil for purposes of increasing its energy self-sufficiency and providing a long-term, low-cost source of power for its facilities.

The completed and committed hydroelectric construction projects that Aluminio participates in are outlined in the following tables.

Completed projects	Date completed	Investment participation	Share of output	Debt guarantee	Debt guarantee through 2013
Machadinho	2002	27.23%	22.62%	35.53%	\$ 95

Aluminio committed to taking a share of the output of the completed project for 30 years at cost, including cost of financing the project. In the event that other participants in this project fail to fulfill their financial responsibilities, Aluminio may be required to fund a portion of the deficiency. In accordance with the agreement, if Aluminio funds any such deficiency, its participation and share of the output from the project will increase proportionately.

Committed projects	Scheduled completion date	Share of output	Investment participation	Total estimated project costs	Aluminio's share of project costs	Performance bond guarantee
Barra Grande	2005	42.20%	42.20%	\$ 359	\$ 151	\$ 5
Serra do Facao	2006	39.50%	39.50%	\$ 149	\$ 59	\$ 3
Pai-Quere	2007	35.00%	35.00%	\$ 180	\$ 63	\$ 2
Santa Isabel	To be determined	20.00%	20.00%	\$ 460	\$ 92	\$ 7
Estreito	2008	19.08%	19.08%	\$ 511	\$ 97	\$ 8

These projects were committed to during 2001 and 2002, and the Barra Grande project commenced construction in 2002. The plans for financing these projects have not yet been finalized. It is anticipated that a portion of the project costs will be financed with third parties. Aluminio may be required to provide guarantees of project financing or commit to additional investments as these projects progress.

During the second quarter of 2003, the participants in the Santa Isabel project formally requested the return of the performance bond related to the license to construct the hydroelectric project. The future of the Santa Isabel project is uncertain.

Aluminio accounts for the Machadinho and Barra Grande hydroelectric projects on the equity method. Its total investment in these projects was \$115 and \$88 at June 30, 2003, and December 31, 2002, respectively. There have been no significant investments made in any of the other projects.

J. Comprehensive Income

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Net income	\$ 216	\$ 232	\$ 367	\$ 450
Other comprehensive income (loss):				
Changes in (net of tax):				
Unrealized gains (losses) on available-for-sale securities	27	(22)	46	(3)
Minimum pension liability	—	—	(2)	(31)
Unrealized translation adjustments	283	225	373	194
Unrecognized gains on derivatives	17	22	37	67
Comprehensive income	\$ 543	\$ 457	\$ 821	\$ 677

K. Earnings Per Share – The information used to compute basic and diluted EPS on income from continuing operations follows: (shares in millions)

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Income from continuing operations	\$ 227	\$ 237	\$ 422	\$ 421
Less: preferred stock dividends	—	—	1	1
Income from continuing operations available to common shareholders	\$ 227	\$ 237	\$ 421	\$ 420
Average shares outstanding – basic	845	846	845	846
Effect of dilutive securities:				
Shares issuable upon exercise of dilutive stock options	2	6	2	7
Average shares outstanding – diluted	847	852	847	853

Options to purchase 66 million shares and 48 million shares of common stock at average exercise prices of \$36.00 and \$38.00 were outstanding as of June 30, 2003 and 2002, respectively, but were not included in the computation of diluted EPS because the option exercise price was greater than the average market price of the common shares.

L. Other income, net

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Equity income	\$ 28	\$ 29	\$ 84	\$ 32
Interest income	10	14	18	29
Foreign exchange losses	(11)	(14)	(37)	(13)
Gains on sales of assets	14	3	13	3
Other income	16	2	16	38
	<u>\$ 57</u>	<u>\$ 34</u>	<u>\$ 94</u>	<u>\$ 89</u>

M. Income taxes – The provision for taxes on income was favorably impacted in the second quarter of 2003 as a result of a tax benefit for recently enacted international tax legislation.

N. Reclassifications – Certain amounts have been reclassified to conform to current year presentation.

O. Recently Issued Accounting Standards – Effective June 30, 2003, Alcoa adopted SFAS No. 149, “Amendment of Statement 133 on Derivative Instruments and Hedging Activities.” This statement amends and clarifies financial accounting and reporting for derivatives and for hedging activities under SFAS No. 133, “Accounting for Derivative Instruments and Hedging Activities.” This standard has no impact on Alcoa’s financial statements.

In May 2003, the Financial Accounting Standards Board (FASB) issued SFAS No. 150, “Accounting for Certain Instruments with Characteristics of Both Liabilities and Equity.” This standard requires that certain financial instruments embodying an obligation to transfer assets or to issue equity securities be classified as liabilities. It is effective for financial instruments entered into or modified after May 31, 2003, and otherwise is effective July 1, 2003. This standard has no impact on Alcoa’s financial statements.

P. Segment Information – The following table details sales and after-tax operating income (ATOI) for each reportable segment for the three-month and six-month periods ended June 30, 2003 and 2002. For more information on segments, see Management’s Discussion and Analysis and the segment disclosures included in Alcoa’s Form 10-K for the year ended December 31, 2002.

Second quarter ended June 30, 2003	Alumina & Chemicals	Primary Metals	Flat-Rolled Products	Engineered Products	Packaging & Consumer	Other	Total
Sales:							
Third-party sales	\$ 491	\$ 805	\$ 1,200	\$ 1,420	\$ 834	\$ 710	\$ 5,460
Intersegment sales	248	690	15	5	—	—	958
Total sales	\$ 739	\$ 1,495	\$ 1,215	\$ 1,425	\$ 834	\$ 710	\$ 6,418
After-tax operating income	\$ 89	\$ 162	\$ 56	\$ 44	\$ 57	\$ 17	\$ 425

Second quarter ended June 30, 2002

Sales:							
Third-party sales	\$ 419	\$ 788	\$ 1,192	\$ 1,330	\$ 672	\$ 757	\$ 5,158
Intersegment sales	233	770	18	10	—	—	1,031
Total sales	\$ 652	\$ 1,558	\$ 1,210	\$ 1,340	\$ 672	\$ 757	\$ 6,189
After-tax operating income	\$ 73	\$ 175	\$ 66	\$ 44	\$ 55	\$ 19	\$ 432

Six months ended June 30, 2003

	Alumina & Chemicals	Primary Metals	Flat-Rolled Products	Engineered Products	Packaging & Consumer	Other	Total
Sales:							
Third-party sales	\$ 940	\$ 1,537	\$ 2,352	\$ 2,781	\$ 1,584	\$ 1,378	\$ 10,572
Intersegment sales	488	1,530	35	14	—	—	2,067
Total sales	\$ 1,428	\$ 3,067	\$ 2,387	\$ 2,795	\$ 1,584	\$ 1,378	\$ 12,639
After-tax operating income	\$ 180	\$ 328	\$ 109	\$ 73	\$ 110	\$ 26	\$ 826

Six months ended June 30, 2002

Sales:							
Third-party sales	\$ 844	\$ 1,552	\$ 2,348	\$ 2,649	\$ 1,290	\$ 1,375	\$ 10,058
Intersegment sales	462	1,399	33	18	—	—	1,912
Total sales	\$ 1,306	\$ 2,951	\$ 2,381	\$ 2,667	\$ 1,290	\$ 1,375	\$ 11,970
After-tax operating income	\$ 138	\$ 318	\$ 127	\$ 102	\$ 83	\$ 26	\$ 794

The following table reconciles segment information to consolidated totals.

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Total after-tax operating income	\$ 425	\$ 432	\$ 826	\$ 794
Impact of intersegment profit eliminations	(4)	(1)	3	(4)
Unallocated amounts (net of tax):				
Interest income	6	9	11	19
Interest expense	(52)	(54)	(109)	(103)
Minority interests	(75)	(47)	(134)	(88)
Corporate expense	(81)	(53)	(138)	(111)
Special items (F)	10	—	14	—
Discontinued operations (D)	(11)	(5)	(8)	(5)
Accounting changes (B)	—	—	(47)	34
Other	(2)	(49)	(51)	(86)
Consolidated net income	\$ 216	\$ 232	\$ 367	\$ 450

Q. Subsequent Event – In July of 2003, Alcoa entered into \$1,000 notional amount of interest rate swaps to establish fixed interest payments on future anticipated funding of expansion projects and maturing debt. The changes in the fair values of these cash flow hedges will be recorded in other comprehensive income on the consolidated balance sheet.

On July 15, 2003, production at Alcoa's Point Comfort alumina refinery was affected by high winds experienced from a hurricane. On July 18, 2003, production at Alcoa's jointly-owned Alumar plant in Sao Luis, Brazil was partially affected by an electrical outage. The outage affected approximately 40% of the production at Sao Luis (6,800 metric tons/month for Alcoa and 6,000 metric tons/month for BHP-Billiton). The company anticipates the earnings impact from these events in the second half of 2003 could range from \$15 to \$25.

Report of Independent Accountants*

To the Shareholders and Board of Directors
Alcoa Inc. (Alcoa)

We have reviewed the accompanying unaudited condensed consolidated balance sheet of Alcoa and subsidiaries as of June 30, 2003, the related unaudited condensed statements of consolidated income for the three-month and six-month periods ended June 30, 2003 and 2002, and the unaudited condensed statements of consolidated cash flows for the six-month periods ended June 30, 2003 and 2002. These interim financial statements are the responsibility of Alcoa's management.

We conducted our review in accordance with standards established by the American Institute of Certified Public Accountants. A review of interim financial information consists principally of applying analytical procedures and making inquiries of persons responsible for financial and accounting matters. It is substantially less in scope than an audit conducted in accordance with generally accepted auditing standards, the objective of which is the expression of an opinion regarding the financial statements taken as a whole. Accordingly, we do not express such an opinion.

Based on our review, we are not aware of any material modifications that should be made to the accompanying unaudited condensed consolidated interim financial statements referred to above for them to be in conformity with accounting principles generally accepted in the United States of America.

We previously audited, in accordance with auditing standards generally accepted in the United States of America, the consolidated balance sheet of Alcoa and subsidiaries as of December 31, 2002, and the related statements of consolidated income, shareholders' equity, and cash flows for the year then ended (not presented herein). In our report dated January 8, 2003, we expressed an unqualified opinion on those consolidated financial statements. In our opinion, the information set forth in the accompanying condensed consolidated balance sheet as of December 31, 2002 is fairly stated, in all material respects, in relation to the consolidated balance sheet from which it has been derived.

As discussed in Note B to the unaudited condensed consolidated financial statements, Alcoa adopted SFAS No. 143 effective January 1, 2003.

/s/ PricewaterhouseCoopers LLP

PricewaterhouseCoopers LLP

Pittsburgh, Pennsylvania

July 8, 2003, except for Note Q,

as to which the date is July 18, 2003

* This report should not be considered a "report" within the meaning of Sections 7 and 11 of the 1933 Act and the independent accountant's liability under Section 11 does not extend to it.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations.

(dollars in millions, except per share amounts and ingot prices; shipments in thousands of metric tons (mt))

Certain statements in this report under this caption and elsewhere relate to future events and expectations and, as such, constitute forward-looking statements. Forward-looking statements include those containing such words as "anticipates," "believes," "estimates," "expects," "hopes," "targets," "should," "will," "will likely result," "forecast," "outlook," "projects" or similar expressions. Such forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause actual results, performance or achievements of Alcoa to be different from those expressed or implied in the forward-looking statements. For a discussion of some of the specific factors that may cause such a difference, see Note I to the financial statements; the disclosures included below under Segment Information, Environmental Matters, and Quantitative and Qualitative Disclosures about Market Risks; and Alcoa's Form 10-K, Part I, Item 1, for the year ended December 31, 2002.

Results of Operations**Selected Financial Data:**

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Sales	\$ 5,460	\$ 5,158	\$ 10,572	\$ 10,058
Income from continuing operations	227	237	422	421
Cumulative effect of accounting change	—	—	(47)	34
Net income	\$ 216	\$ 232	\$ 367	\$ 450
Earnings per common share:				
Diluted – Income from continuing operations	\$.27	\$.28	\$.50	\$.49
Diluted – Net income	\$.26	\$.27	\$.43	\$.52
Shipments of aluminum products (mt)	1,260	1,325	2,452	2,576
Shipments of alumina (mt)	1,939	1,796	3,733	3,621
Alcoa's average realized ingot price	\$.68	\$.67	\$.69	\$.66
Average 3-month LME price	\$.63	\$.63	\$.63	\$.63

Income from continuing operations for the 2003 second quarter and six-month periods was \$227, or 27 cents per diluted share, and \$422, or 50 cents per share, respectively. Income from continuing operations declined 4% in the 2003 second quarter and remained flat in the 2003 six-month period compared to the corresponding 2002 periods. Higher realized prices for alumina and aluminum and ongoing cost reductions in 2003 were offset by higher energy costs and lower volumes in businesses serving the industrial gas turbine, telecommunications, and building and construction markets.

Net income for the 2003 second quarter and six-month periods was \$216, or 26 cents per share, and \$367, or 43 cents per share, respectively. The 2003 six-month period was negatively impacted by cumulative effect adjustments for accounting changes, as a cumulative effect charge of \$47 was recognized in 2003 for the accounting change for asset retirement obligations under SFAS No. 143, while cumulative effect income of \$34 was recognized in 2002 for the change in accounting for goodwill under SFAS No. 142. Losses from discontinued operations also contributed to the decline in net income in both the 2003 second quarter and six-month periods compared with the corresponding 2002 periods.

Sales for the 2003 second quarter and six-month periods increased \$302, or 6%, and \$514, or 5%, respectively, compared with the corresponding 2002 periods. The increases were primarily due to the 2002 acquisitions of Ivex Packaging Corporation (Ivex) and Fairchild Fasteners (Fairchild), which together contributed \$332 and \$589 in the 2003 second quarter and six-month

periods, respectively. Excluding these acquisitions, higher realized alumina prices and increased shipments of alumina were more than offset by lower volumes in businesses serving the industrial gas turbine, telecommunications, and building and construction markets.

Cost of goods sold (COGS) as a percentage of sales was 79.6% for both the 2003 second quarter and six-month periods, compared with 79.6% and 80.3% in the 2002 second quarter and six-month periods, respectively. Higher realized prices and accumulated cost savings offset lower volumes, increased energy costs, and higher COGS ratios of acquired companies, resulting in a .7 percentage point decrease in the ratio in the 2003 six-month period compared with the 2002 six-month period.

Selling, general administrative and other expenses (S&GA) for the 2003 second quarter and six-month periods increased \$71, or 26%, and \$92, or 17%, compared with the 2002 second quarter and six-month periods, respectively. The increases were primarily due to the acquisitions of Ivex and Fairchild as well as increased deferred compensation costs in 2003. As a result, S&GA as a percentage of sales increased from 5.3% in the 2002 second quarter to 6.3% in the 2003 second quarter, and from 5.4% in the 2002 six-month period to 6.0% in the 2003 six-month period.

Depreciation, depletion and amortization expense for the 2003 second quarter and six-month periods increased \$36, or 13%, and \$62, or 12%, compared with the corresponding 2002 periods, primarily as a result of the acquisitions of Ivex and Fairchild.

Income recognized on special items was \$15 in the 2003 second quarter and \$19 in the 2003 six-month period. Special items consisted primarily of adjustments to fourth quarter 2002 impairment charges to reflect current estimated fair values on assets held for sale, including a \$43 increase in estimated fair value and \$10 for a reduction in estimated fair value on certain businesses. Additionally, during the second quarter of 2003, additional restructuring charges of \$18 were recorded primarily for employee termination and severance costs in businesses serving the industrial gas turbine market and in primary metals.

Interest expense for the 2003 second quarter remained flat compared with the 2002 second quarter as higher average debt levels were offset by lower effective interest rates. Interest expense rose \$11, or 7%, in the 2003 six-month period compared with the corresponding 2002 period primarily due to higher average debt levels as a result of acquisitions, somewhat offset by lower average interest rates.

Other income for the 2003 second quarter and six-month periods increased \$23, or 68%, and \$5, or 6%, compared with the corresponding 2002 periods. The increase in the 2003 second quarter is primarily due to higher net gains on asset sales consisting principally of office space, as well as an increase in the cash surrender value of employee life insurance. The increase in the 2003 six-month period is due to \$52 of higher equity income, primarily at Elkem, higher net gains on asset sales and an increase in cash surrender value as noted previously, substantially offset by the unfavorable impact of foreign currency exchange adjustments of \$24, \$11 lower interest income, and several favorable nonoperating gains recognized in 2002.

The effective tax rate of 27.9% for the 2003 six-month period differs from the statutory rate of 35% and the 2002 six-month rate of 31.0% primarily due to lower taxes on foreign income, including a benefit for recently enacted international tax legislation.

Minority interests' share of income from operations for the 2003 second quarter and six-month periods increased \$28, or 60%, and \$46, or 52%, compared with the corresponding 2002 periods. The increases were primarily due to higher earnings at Alcoa Aluminio (Aluminio) and Alcoa World Alumina and Chemicals (AWAC) due to a favorable adjustment to reflect current estimates of fair value related to assets held for sale in Latin America, as well as a tax benefit.

Segment Information

I. Alumina and Chemicals

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Alumina production	3,478	3,201	6,798	6,313
Third-party alumina shipments	1,939	1,796	3,733	3,621
Third-party sales	\$ 491	\$ 419	\$ 940	\$ 844
Intersegment sales	248	233	488	462
Total sales	\$ 739	\$ 652	\$ 1,428	\$ 1,306
After-tax operating income	\$ 89	\$ 73	\$ 180	\$ 138

Third-party sales for the Alumina and Chemicals segment increased 17% in the 2003 second quarter and 11% in the 2003 six-month period compared to the corresponding 2002 periods primarily due to increased shipments and increases in realized prices of 9% in the 2003 second quarter and 11% in the 2003 six-month period.

ATOI for this segment increased 22% in the 2003 second quarter and 30% in the 2003 six-month period compared to the corresponding 2002 periods primarily due to higher realized alumina prices, increased alumina volumes, and higher alumina-based chemicals volumes, somewhat offset by higher energy costs.

Alumina demand is anticipated to remain at current levels in the third quarter. Recent LME trends would indicate flat pricing.

II. Primary Metals

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Aluminum production	883	878	1,764	1,719
Third-party aluminum shipments	495	507	948	1,010
Third-party sales	\$ 805	\$ 788	\$ 1,537	\$ 1,552
Intersegment sales	690	770	1,530	1,399
Total sales	\$ 1,495	\$ 1,558	\$ 3,067	\$ 2,951
After-tax operating income	\$ 162	\$ 175	\$ 328	\$ 318

Third-party sales for the Primary Metals segment increased 2% in the 2003 second quarter, while remaining relatively flat in the 2003 six-month period compared with the corresponding 2002 periods. Alcoa's average realized third-party price for ingot increased from 67 cents per pound in the 2002 second quarter to 68 cents per pound in the 2003 second quarter and from 66 cents per pound in the 2002 six-month period to 69 cents per pound in the corresponding 2003 period. The increase in realized prices was offset by a decline in shipments. Intersegment sales declined 10% in the 2003 second quarter compared with the 2002 second quarter primarily due to lower volumes in downstream businesses, while intersegment sales increased 9% in the 2003 six-month period compared with the 2002 six-month period primarily due to higher realized prices.

ATOI for this segment decreased 7% in the 2003 second quarter compared with the 2002 second quarter, while increasing 3% in the 2003 six-month period compared to the corresponding 2002 period. The 7% decline in the 2003 second quarter was primarily due to lower shipments, unfavorable foreign currency exchange adjustments, and higher energy costs, somewhat offset by higher realized aluminum prices. The 3% increase in the 2003 six-month period was primarily due to higher realized prices and increased intersegment volumes.

somewhat offset by higher energy costs and unfavorable foreign currency exchange adjustments.

Alcoa has approximately 505,000 mt per year (mtpy) of idle capacity on a base capacity of 3,948,000 mtpy.

III. Flat-Rolled Products

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Third-party aluminum shipments	453	456	887	895
Third-party sales	\$ 1,200	\$ 1,192	\$ 2,352	\$ 2,348
Intersegment sales	15	18	35	33
Total sales	\$ 1,215	\$ 1,210	\$ 2,387	\$ 2,381
After-tax operating income	\$ 56	\$ 66	\$ 109	\$ 127

Third-party sales for the Flat-Rolled Products segment were relatively flat in both the 2003 second quarter and six-month periods compared with the corresponding 2002 periods. In the 2003 second quarter, increased volumes for rigid container sheet as well as the favorable impact of foreign currency exchange adjustments in Europe, were offset by lower volumes for sheet and plate in the U.S. and unfavorable product mix. In the 2003 six-month period, an increase in sheet and plate sales, resulting from increased volumes in both the U.S. and Europe, was offset by unfavorable product mix and slightly lower volumes for rigid container sheet.

ATOI for this segment decreased 15% in the 2003 second quarter and 14% in the 2003 six-month period compared with the corresponding 2002 periods. The decrease in the 2003 second quarter was primarily due to unfavorable product mix, higher raw material prices and higher energy costs for rigid container sheet, as well as lower volumes and lower efficiencies for sheet and plate in the U.S. These decreases were somewhat offset by increased volumes for rigid container sheet and the favorable impact of foreign currency exchange adjustments in Europe. The decrease in the 2003 six-month period is primarily due to lower volumes, unfavorable product mix, and higher raw material prices and energy costs for rigid container sheet; lower volumes and lower efficiencies for sheet and plate in the U.S. which more than offset increased volumes; somewhat offset by increased volumes and favorable foreign currency exchange adjustments in Europe.

In the 2003 third quarter, seasonal strength is expected to continue in rigid container sheet. Other markets are projected to be flat with some seasonal softening in Europe.

IV. Engineered Products

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Third-party aluminum shipments	214	244	431	465
Third-party sales	\$ 1,420	\$ 1,330	\$ 2,781	\$ 2,649
Intersegment sales	5	10	14	18
Total sales	\$ 1,425	\$ 1,340	\$ 2,795	\$ 2,667
After-tax operating income	\$ 44	\$ 44	\$ 73	\$ 102

Third-party sales for the Engineered Products segment increased 7% and 5% in the 2003 second quarter and six-month periods, respectively, compared to the corresponding 2002 periods, primarily as a result of the Fairchild acquisition which contributed \$181 and \$304 to third-party sales in the 2003 second quarter and six-month periods, respectively. These increases were partially offset by volume declines in businesses serving the automotive, commercial transportation, aerospace and industrial gas turbine markets.

ATOI for this segment remained flat in the 2003 second quarter, while declining 28% in the 2003 six-month period compared with the corresponding 2002 periods. ATOI for both periods was impacted by lower volumes due to soft market conditions, as noted previously. The positive contribution of Fairchild results as well as cost savings recognized in the segment offset the volume declines in the 2003 second quarter.

Demand is expected to decrease in the third quarter of 2003 due to lower military and commercial aerospace volume, automotive model year changeovers, and projected declines in new car demand. Industrial gas turbine demand is expected to remain weak. Seasonal strengthening is expected in the building and construction market.

V. Packaging and Consumer

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Third-party aluminum shipments	42	31	78	61
Third-party sales	\$ 834	\$ 672	\$ 1,584	\$ 1,290
Intersegment sales	—	—	—	—
Total sales	\$ 834	\$ 672	\$ 1,584	\$ 1,290
After-tax operating income	\$ 57	\$ 55	\$ 110	\$ 83

Third-party sales for the Packaging and Consumer segment for the 2003 second quarter and six-month periods increased 24% and 23%, respectively, compared to the corresponding 2002 periods, primarily as a result of the Ivex acquisition in 2002, which contributed \$151 and \$285 in the 2003 second quarter and six-month periods, respectively. Higher volumes in the closures business also contributed to the sales increase in 2003.

ATOI for this segment rose 4% and 33% in the 2003 second quarter and six-month periods, respectively, compared to the corresponding 2002 periods. The increase was primarily due to the acquisition of Ivex, which contributed \$6 and \$14 in the 2003 second quarter and six-month periods, respectively, as well as positive results in Latin America primarily due to improved economic conditions. These increases were somewhat offset by the negative impact of higher resin costs.

In the third quarter of 2003, seasonal increases are projected for consumer products within North America. Seasonal demand within Latin America is expected to decline.

VI. Other

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Third-party aluminum shipments	56	87	108	145
Third-party sales	\$ 710	\$ 757	\$ 1,378	\$ 1,375
Intersegment sales	—	—	—	—
Total sales	\$ 710	\$ 757	\$ 1,378	\$ 1,375
After-tax operating income	\$ 17	\$ 19	\$ 26	\$ 26

Third-party sales for the Other group decreased 6% in the 2003 second quarter while remaining flat in the 2003 six-month period compared with the corresponding 2002 periods. For both the second quarter and six-month periods, volumes continued to decline in the telecommunications business and poor weather conditions negatively impacted the building products business. In the 2003 six-month period, increased volume in the automotive market partially offset declines in the telecommunications and building products businesses compared with the 2002 six-month period. A decline in automotive volumes contributed to the decrease in third-party sales in the 2003 second quarter compared with the 2002 second quarter.

ATOI for this group was relatively flat for both the 2003 second quarter and six-month periods compared with the corresponding 2002 periods. The negative impact on ATOI of the volume declines noted previously in the 2003 second quarter compared with the 2002 second quarter was mitigated by cost savings at Alcoa Fujikura Ltd. (AFL). The favorable impacts of increased volumes and cost savings at AFL Automotive were offset by lower volumes in the telecommunication business and the building products business in the 2003 six-month period compared with the 2002 six-month period.

Overall third-party sales in the third quarter are expected to be lower due to automotive model year changeovers and projected declines in new car demand. Some seasonal increase is anticipated in the residential building and construction market. Continued depressed business conditions are expected to persist in the telecommunications market.

Reconciliation of After-Tax Operating Income (ATOI) to Consolidated Net Income

Items required to reconcile ATOI to consolidated net income include: corporate adjustments to eliminate any remaining profit or loss between segments; interest income and expense; minority interests; corporate expense, comprised of the general administrative and selling expenses of operating the corporate headquarters and other global administrative facilities along with depreciation on corporate-owned assets; discontinued operations; accounting changes for asset retirement obligations in 2003 and goodwill in 2002; and other, which includes the impact of LIFO, differences between estimated tax rates used in the segments and the corporate effective tax rate, and other nonoperating items such as foreign exchange.

The following table reconciles segment information to consolidated totals.

	Second quarter ended June 30		Six months ended June 30	
	2003	2002	2003	2002
Total after-tax operating income	\$ 425	\$ 432	\$ 826	\$ 794
Impact of intersegment profit eliminations	(4)	(1)	3	(4)
Unallocated amounts (net of tax):				
Interest income	6	9	11	19
Interest expense	(52)	(54)	(109)	(103)
Minority interests	(75)	(47)	(134)	(88)
Corporate expense	(81)	(53)	(138)	(111)
Special items (F)	10	—	14	—
Discontinued operations (D)	(11)	(5)	(8)	(5)
Accounting changes (B)	—	—	(47)	34
Other	(2)	(49)	(51)	(86)
Consolidated net income	\$ 216	\$ 232	\$ 367	\$ 450

The significant changes in the reconciling items between ATOI and consolidated net income for the 2003 second quarter and six-month period compared with the corresponding 2002 periods consisted of: an increase in minority interests due to higher earnings at AWAC and Aluminio due to a favorable adjustment to reflect current estimates of fair value related to assets held for sale in Latin America, as well as a tax benefit; an increase in corporate expense due to higher deferred compensation costs; special items recognized in 2003 consisting of adjustments to fourth quarter 2002 impairment charges to reflect current estimates of fair value on assets held for sale, as well as additional restructuring charges recorded primarily for employee termination and severance costs in businesses serving the industrial gas turbine market and in primary metals; and a decrease in other primarily due to higher net gains on asset sales (primarily office space), a tax benefit for recently enacted international tax legislation, and foreign currency translation adjustments.

Additionally, for the six-month periods, a cumulative effect charge of \$47 was recognized in 2003 for the accounting change for asset retirement obligations under SFAS No. 143, while cumulative effect income of \$34 was recognized in 2002 for the change in accounting for goodwill under SFAS No. 142.

Liquidity and Capital Resources

Cash from Operations

Cash from operations for the 2003 six-month period totaled \$1,215 compared with \$667 in the 2002 six-month period. The increase of \$548 is primarily due to an advance payment of \$440 on a long-term aluminum supply contract and lower working capital requirements.

Financing Activities

Cash used for financing activities was \$763 in the 2003 six-month period compared with cash provided of \$18 in the 2002 six-month period. The change of \$781 is primarily due to net debt repayments of \$443 in 2003 compared with net borrowings of \$525 in 2002, partially offset by the absence of stock repurchases in 2003.

In June 2003, Standard and Poor's Rating Services lowered its long-term debt rating of Alcoa to A- from A and its short-term rating to A-2 from A-1 due to, among other things, unfunded postretirement benefit obligations.

In April 2003, Alcoa refinanced its \$2,000 revolving-credit agreement that was to expire in April 2003 into a \$2,000 revolving-credit agreement that expires in April 2004. Additionally, Alcoa refinanced its \$1,000 revolving credit agreement that was to expire in August 2003 into a \$1,000 revolving-credit agreement that expires in April 2008.

Investing Activities

Cash used for investing activities was \$380 in the 2003 six-month period compared with \$751 in the 2002 six-month period. The change of \$371 in cash used was primarily due to a reduction in capital expenditures, fewer acquisitions in 2003 and a reduction in short-term investments.

Environmental Matters

Alcoa continues to participate in environmental assessments and cleanups at a number of locations. These include approximately 28 owned or operating facilities and adjoining properties, approximately 38 previously owned or operating facilities and adjoining properties and approximately 68 Superfund and other waste sites. A liability is recorded for environmental remediation costs or damages when a cleanup program becomes probable and the costs or damages can be reasonably estimated.

As assessments and cleanups proceed, the liability is adjusted based on progress made in determining the extent of remedial actions and related costs and damages. The liability can change substantially due to factors such as the nature and extent of contamination, changes in remedial requirements, and technological changes. Therefore, it is not possible to determine the outcomes or to estimate with any degree of accuracy the potential costs for certain of these matters.

The following discussion provides additional details regarding the current status of Alcoa's significant sites where the final outcome cannot be determined or the potential costs in the future cannot be estimated.

Massena, NY. Alcoa has been conducting investigations and studies of the Grasse River, adjacent to Alcoa's Massena, New York plant site, under order from the U.S. Environmental Protection Agency (EPA) issued under the Comprehensive Environmental Response, Compensation and Liability Act, also known as Superfund. Sediments and fish in the river contain varying levels of polychlorinated biphenyl (PCB).

During 2000 and 2001, Alcoa completed certain studies and investigations on the river, including pilot tests of sediment-capping techniques, and other remediation technologies. In February 2002, Alcoa submitted a final Analysis of Alternatives Report to the EPA based on these evaluations and included additional remedial alternatives required by the EPA. The range of costs associated with the remedial alternatives evaluated in the 2002 report is between \$2 and \$525. Alcoa believes that rational, scientific analysis supports a remedy involving the containment of sediments in place via natural or man-made processes. Based on the current assessment of the EPA decision-making process, Alcoa has concluded that the selection of the \$2 alternative, based on natural recovery only, is remote. In June 2003, based on river observations during the spring of 2003, EPA requested that Alcoa gather additional field data to assess the potential for sediment erosion from winter river ice formation and break up. Alcoa is now developing a scope of work for that effort and expects to present a report on findings to the EPA as soon as the analysis is available. Alcoa anticipates that the EPA's ultimate remedial decision will include this additional information. Alcoa continues to believe that alternatives involving the largest amounts of sediment removal should not be selected for the Grasse River remedy. Therefore, Alcoa believes that alternatives that should reasonably be considered for selection range from engineered capping and natural recovery of \$30 to a combination of moderate dredging, capping and natural recovery of \$90. Accordingly, Alcoa has recorded a reserve of \$30, representing the low end of the range of possible alternatives, as no one of the alternatives is more likely to be selected than any other. The EPA's ultimate selection of a remedy could result in additional liability. However, as the process continues, it allows for input that can influence the scope and cost of the remedy that will be selected by the EPA in its issuance of the formal Record of Decision (ROD). Alcoa may be required to record a subsequent reserve adjustment at the time the ROD is issued.

Sherwin, TX. In connection with the sale of the Sherwin alumina refinery in Texas, which was required to be divested as part of the Reynolds merger in

2000, Alcoa has agreed to retain responsibility for the remediation of then existing environmental conditions, as well as a pro rata share of the final closure of the active waste disposal areas, which remain in use. Alcoa's share of the closure costs is proportional to the total period of operation of the active waste disposal areas. Alcoa estimated its liability for the active disposal areas by making certain assumptions about the period of operation, the amount of material placed in the area prior to closure, and the appropriate technology, engineering, and regulatory status applicable to final closure. The most probable cost for remediation has been reserved. It is reasonably possible that an additional liability, not expected to exceed \$75, may be incurred if actual experience varies from the original assumptions used.

Based on the foregoing, it is possible that Alcoa's results of operations, in a particular period, could be materially affected by matters relating to these sites. However, based on facts currently available, management believes that adequate reserves have been provided and that the disposition of these matters will not have a materially adverse effect on the financial position or liquidity of the company.

Alcoa's remediation reserve balance at June 30, 2003 and December 31, 2002 was \$408 (of which \$69 was classified as a current liability) and \$436, respectively, and reflects the most probable costs to remediate identified environmental conditions for which costs can be reasonably estimated. Remediation costs charged to the reserve in the 2003 six-month period were approximately \$12. They include expenditures currently mandated, as well as those not required by any regulatory authority or third party. The reserve balance was reduced by approximately \$16 in the 2003 six-month period, primarily for adjustments based on recent assessments of remaining work required at certain sites.

Included in annual operating expenses are the recurring costs of managing hazardous substances and environmental programs. These costs are estimated to be about 2% of cost of goods sold.

Item 3. Quantitative and Qualitative Disclosures about Market Risk

In addition to the risks inherent in its operations, Alcoa is exposed to financial, market, political and economic risks. The following discussion provides additional detail regarding Alcoa's exposure to the risks of changing commodity prices, foreign exchange rates, and interest rates.

Derivatives

Alcoa's commodity and derivative activities are subject to the management, direction and control of the Strategic Risk Management Committee (SRMC). SRMC is composed of the chief executive officer, the chief financial officer, and other officers and employees that the chief executive officer selects. SRMC reviews annually the scope of its derivative activities with the Board of Directors.

All of the aluminum and other commodity contracts, as well as various types of derivatives, are held for purposes other than trading. They are used primarily to mitigate uncertainty and volatility, and cover underlying exposures. The company is not involved in energy-trading activities, weather derivatives, or to any material extent in other nonexchange commodity trading activities.

Commodity Price Risks – Alcoa is a leading global producer of aluminum ingot and aluminum fabricated products. As a condition of sale, customers often require Alcoa to enter into long-term fixed-price commitments. These commitments expose Alcoa to the risk of fluctuating aluminum prices between the time the order is committed and the time the order is shipped.

Alcoa's aluminum commodity risk management policy is to manage, through the use of futures and options contracts, the aluminum price risk associated with a portion of its fixed price firm commitments. At June 30, 2003, these contracts totaled approximately 601,000 mt with a fair value loss of approximately \$8 (pre-tax).

Alcoa sells products to various third parties at prices that are influenced by changes in LME aluminum prices. From time to time, the company may elect to sell forward a portion of its anticipated primary aluminum and alumina production to reduce the risk of fluctuating market prices on these sales. Toward this end, Alcoa may enter into short positions using futures and options contracts. At June 30, 2003, these contracts totaled approximately 42,000 mt with a fair value gain of approximately \$7 (pre-tax). These contracts act to fix a portion of the sales price related to these sales contracts.

Alcoa purchases natural gas and fuel oil to meet its production requirements. These purchases expose the company to the risk of higher natural gas and fuel oil prices. To hedge this risk, Alcoa enters into long positions, principally using futures and options. Alcoa follows a stable pattern of purchasing natural gas and fuel oil; therefore, it is highly likely that anticipated natural gas and fuel oil purchases will occur. The fair value of the contracts for natural gas and fuel oil was a gain of approximately \$53 (pre-tax) and a gain of approximately \$12 (pre-tax), respectively, at June 30, 2003.

Alcoa purchases certain other commodities such as electricity for its operations and may enter into futures and options contracts to eliminate volatility in the prices of such products. None of these contracts were material at June 30, 2003.

Financial Risk

Currencies – Alcoa is subject to significant exposure from fluctuations in foreign currencies. Foreign currency exchange contracts are used to hedge the variability in cash flows from the forecasted payment or receipt of currencies other than the functional currency. These contracts cover periods commensurate with known or expected exposures, generally within three years. The fair value of these contracts was a gain of approximately \$58 (pre-tax) at June 30, 2003.

Certain contracts, which are included in the \$58 above, are used to offset a portion of the impact of exchange and interest rate changes on foreign currency denominated debt. The fair value of these contracts was a gain of approximately \$5 (pre-tax) at June 30, 2003. Changes in the fair value of these contracts are included in other income on the Condensed Statement of Consolidated Income and offset a portion of the impact of the exchange differences on the debt.

Interest Rates – Alcoa uses interest rate swaps to help maintain a reasonable balance between fixed- and floating-rate debt and to manage overall financing costs. The company has entered into pay floating, receive fixed interest rate swaps to change the interest rate risk exposure of its outstanding debt. The fair value of these swaps was a gain of approximately \$110 (pre-tax) at June 30, 2003.

Material Limitations – The disclosures with respect to commodity prices, interest rates, and foreign exchange risk do not take into account the underlying anticipated purchase obligations and the underlying transactional foreign exchange exposures. If the underlying items were included in the analysis, the gains or losses on the futures and options contracts may be offset. Actual results will be determined by a number of factors that are not under Alcoa's control and could vary significantly from those factors disclosed.

Alcoa is exposed to credit loss in the event of nonperformance by counterparties on the above instruments, as well as credit or performance risk with respect to its hedged customers' commitments. Although nonperformance is possible, Alcoa does not anticipate nonperformance by any of these parties. Futures and options contracts are with creditworthy counterparties and are further supported by cash, treasury bills or irrevocable letters of credit issued by carefully chosen banks. In addition, various master netting arrangements are in place with counterparties to facilitate settlement of gains and losses on these contracts.

Item 4. Controls and Procedures**(a) Evaluation of Disclosure Controls and Procedures**

Alcoa's Chief Executive Officer and Chief Financial Officer have evaluated the company's disclosure controls and procedures as of the end of the period covered by this report, and they have concluded that these controls and procedures are effective.

(b) Changes in Internal Control Over Financial Reporting

There have been no significant changes in internal control over financial reporting that occurred during the quarter ended June 30, 2003, that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

PART II—OTHER INFORMATION

Item 1. Legal Proceedings.

As previously reported, a purported class action was filed on February 14, 2002 in the U.S. District Court for the Northern District of Ohio against the company and the International UAW, on behalf of 400 African-American employees of Cleveland Works, alleging discrimination in Cleveland's apprenticeship program. Plaintiffs sought certification of the class, declaratory and injunctive relief, lost wages, entry into apprenticeship programs, compensatory and punitive damages and costs and expenses of litigation. The complaint was served on May 23, 2002 and answered on June 12, 2002. On February 28, 2003, the parties filed with the court a proposed settlement agreement providing monetary and injunctive relief. Preliminary approval of the proposed settlement agreement was granted on May 27, 2003. A Fairness Hearing on final approval is scheduled for August 25, 2003. The cost of settlement is not expected to be material.

Item 4. Submission of Matters to a Vote of Security Holders.

Information called for by this item with respect to the annual meeting of Alcoa shareholders held on April 11, 2003, is contained in Part II – Item 4 of Alcoa's Quarterly Report on Form 10-Q for the quarter ended March 31, 2003.

Item 6. Exhibits and Reports on Form 8-K.

- (a) Exhibits
- 10(a). 364-Day Revolving Credit Agreement, dated as of April 25, 2003, among Alcoa Inc., the Lenders parties thereto, and JPMorgan Chase Bank, as Administrative Agent
- 10(b). Five-Year Revolving Credit Agreement, dated as of April 25, 2003, among Alcoa Inc., the Lenders parties thereto, and JPMorgan Chase Bank, as Administrative Agent
- 12. Computation of Ratio of Earnings to Fixed Charges
- 15. Letter regarding unaudited interim financial information
- 99(a). Certifications pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
- 99(b). Certification pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
- (b) Reports on Form 8-K. During the second quarter of 2003, Alcoa filed one report on Form 8-K, dated May 6, 2003, with the Securities and Exchange Commission (the "Commission"), reporting under Item 5 that Alcoa had reached an agreement in principle with Camargo Correa Group to acquire their 40.9% shareholding in Alcoa's South American operations.

In addition, during the quarter (and thereafter to the date hereof), Alcoa furnished to the Commission the following reports on Form 8-K under Item 12:

- (1) a Form 8-K dated April 7, 2003, furnishing a copy of the press release announcing Alcoa's first quarter 2003 earnings;
- (2) a Form 8-K dated April 24, 2003, furnishing copies of Alcoa's 2002 Sustainability Report and the press release announcing the report's release;
- (3) a Form 8-K dated April 28, 2003, furnishing a copy of the transcript and slides presented during Alcoa's first quarter 2003 earnings call; and
- (4) a Form 8-K dated July 9, 2003, furnishing a copy of the press release announcing Alcoa's second quarter 2003 earnings.

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 thereunto duly authorized.

Alcoa Inc.

July 23, 2003

Date

By /s/ RICHARD B. KELSON

Richard B. Kelson
Executive Vice President and
Chief Financial Officer
(Principal Financial Officer)

July 23, 2003

Date

By /s/ CHARLES D. MCLANE, JR.

Charles D. McLane, Jr.
Vice President – Alcoa Business
Support Services and Controller
(Chief Accounting Officer)

EXHIBITS

- 10(a). 364-Day Revolving Credit Agreement
- 10(b). Five-Year Revolving Credit Agreement
- 12. Computation of Ratio of Earnings to Fixed Charges
- 15. Letter regarding unaudited interim financial information
- 99(a). Certifications pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
- 99(b). Certification pursuant to Section 906 of the Sarbanes-Oxley Act of 2002

CREDIT AGREEMENT

(364-Day)

Dated as of April 25, 2003

Among

ALCOA INC.,

THE LENDERS NAMED HEREIN,

CITIBANK, N.A., CREDIT SUISSE FIRST BOSTON and UBS AG,

as Syndication Agents,

DEUTSCHE BANK SECURITIES INC. and ABN AMRO BANK, N.V.,

as Documentation Agents, and

JPMORGAN CHASE BANK,

as Administrative Agent,

J.P. MORGAN SECURITIES INC.,

as Sole Lead Arranger and Sole Bookrunner

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Schedule 6.01(a) Existing Liens

364-DAY REVOLVING CREDIT AGREEMENT dated as of April 25, 2003 (as the same may be amended, modified or supplemented from time to time, the "Agreement"), among ALCOA INC., a Pennsylvania corporation ("Alcoa"), the Lenders (such term and each other capitalized term used but not defined herein having the meaning ascribed thereto in Article I), and JPMORGAN CHASE BANK, a New York banking corporation, as Administrative Agent for the Lenders.

Alcoa and the Borrowing Subsidiaries have requested the Lenders to extend credit in order to enable Alcoa and the Borrowing Subsidiaries, subject to the terms and conditions of this Agreement, to borrow on a revolving basis, at any time and from time to time prior to the Maturity Date, an aggregate principal amount at any time outstanding not in excess of US\$2,000,000,000. The proceeds of such borrowings are to be used to provide working capital and for other general corporate purposes, including but not limited to the support of Alcoa's commercial paper program. The Lenders are willing to extend such credit to Alcoa and the Borrowing Subsidiaries on the terms and subject to the conditions set forth herein.

Accordingly, the Borrowers, the Lenders and the Administrative Agent agree as follows:

ARTICLE I

DEFINITIONS AND CONSTRUCTION

SECTION 1.01. Defined Terms. As used in this Agreement, the following terms shall have the meanings set forth below:

"ABR Borrowing" shall mean a Borrowing comprised of ABR Loans.

"ABR Loan" shall mean any Loan bearing interest at a rate determined by reference to the Alternate Base Rate in accordance with the provisions of Article II.

"Administrative Agent" shall mean JPMorgan Chase Bank, a New York banking corporation, in its capacity as administrative agent for the Lenders hereunder.

"Administrative Questionnaire" shall mean an Administrative Questionnaire in the form of Exhibit B.

"Affiliate" shall mean, when used with respect to a specified person, another person that directly, or indirectly through one or more intermediaries, Controls or is Controlled by or is under common Control with the person specified.

"Alternate Base Rate" shall mean, for any day, a rate per annum (rounded upwards, if necessary, to the next 1/16 of 1%) equal to the greatest of (a) the Prime Rate in effect on such day, (b) the Base CD Rate in effect on such day plus 1% and (c) the

Federal Funds Effective Rate in effect on such day plus 1/2 of 1%. For purposes hereof, "Prime Rate" shall mean the rate of interest per annum publicly announced from time to time by the Administrative Agent as its prime rate in effect at its principal office in New York City; each change in the Prime Rate shall be effective on the date such change is publicly announced as being effective. "Base CD Rate" shall mean the sum of (a) the product of (i) the Three-Month Secondary CD Rate and (ii) Statutory Reserves and (b) the Assessment Rate. "Three-Month Secondary CD Rate" shall mean, for any day, the secondary market rate for three-month certificates of deposit reported as being in effect on such day (or, if such day shall not be a Business Day, the next preceding Business Day) by the Board through the public information telephone line of the Federal Reserve Bank of New York (which rate will, under the current practices of the Board, be published in Federal Reserve Statistical Release H.15(519) during the week following such day), or, if such rate shall not be so reported on such day or such next preceding Business Day, the average of the secondary market quotations for three month certificates of deposit of major money center banks in New York City received at approximately 10:00 a.m., New York City time, on such day (or, if such day shall not be a Business Day, on the next preceding Business Day) by the Administrative Agent from three New York City negotiable certificate of deposit dealers of recognized standing selected by it. "Federal Funds Effective Rate" shall mean, for any day, the weighted average of the rates on overnight Federal funds transactions with members of the Federal Reserve System arranged by Federal funds brokers, as published on the next succeeding Business Day by the Federal Reserve Bank of New York, or, if such rate is not so published for any day which is a Business Day, the average of the quotations for the day of such transactions received by the Administrative Agent from three Federal funds brokers of recognized standing selected by it. If for any reason the Administrative Agent shall have determined (which determination shall be conclusive absent manifest error) that it is unable to ascertain the Base CD Rate or the Federal Funds Effective Rate or both for any reason, including the inability of the Administrative Agent to obtain sufficient quotations in accordance with the terms thereof, the Alternate Base Rate shall be determined without regard to clause (b) or (c), or both, of the first sentence of this definition, as appropriate, until the circumstances giving rise to such inability no longer exist. Any change in the Alternate Base Rate due to a change in the Prime Rate, the Three-Month Secondary CD Rate or the Federal Funds Effective Rate shall be effective on the effective date of such change in the Prime Rate, the Three-Month Secondary CD Rate or the Federal Funds Effective Rate, respectively.

"Applicable Margin" shall mean, with respect to the LIBOR Loans comprising any Borrowing, the applicable percentage set forth below based upon the ratings by S&P and Moody's applicable on such date to the Index Debt:

Category 1	Percentage
AA-/Aa3 or above	.1000%
Category 2	
A+/A1	.1425%
Category 3	
A/A2	.1900%
Category 4	
A-/A3	.4350%
Category 5	
BBB/Baa2	.6600%
Category 6	
BBB-/Baa3 or below	.8600%

For purposes of the foregoing, (i) if neither Moody's nor S&P shall have in effect a rating for any Index Debt (other than by reason of the circumstances referred to in the last sentence of this definition), then both such rating agencies shall be deemed to have established ratings for such Index Debt in Category 6; (ii) if only one of Moody's and S&P shall have in effect a rating for any Index Debt, then the Applicable Margin, to the extent determined by reference to such Index Debt, shall be determined on the basis of such rating; (iii) if the ratings established or deemed to have been established by Moody's or S&P for any Index Debt shall fall within different Categories, the Applicable Margin shall be based on the Category corresponding to the higher rating unless the ratings differ by two or more Categories, in which case the Applicable Margin will be based upon the Category one level above the Category corresponding to the lower rating; and (iv) if any rating established or deemed to have been established by Moody's or S&P shall be changed (other than as a result of a change in the rating system of Moody's or S&P), such change shall be effective as of the date on which it is first announced by the applicable rating agency. Each change in the Applicable Margin shall apply during the period commencing on the effective date of such change and ending on the date immediately preceding the effective date of the next such change. If the rating system of Moody's or S&P shall change, or if any such rating agency shall cease to be in the business of rating corporate debt obligations, Alcoa and the Lenders shall negotiate in good faith to amend the references to specific ratings in this definition to reflect such changed rating system or the non-availability of ratings from such rating agency, and pending the effectiveness of any such amendment, the ratings of such rating agency most

recently in effect prior to such change or cessation shall be employed in determining the Applicable Margin.

"Approved Fund" shall have the meaning assigned to such term in Section 10.04(b).

"Assessment Rate" shall mean, for any date, the annual rate (rounded upwards, if necessary, to the next 1/100 of 1%) most recently estimated by the Administrative Agent as the then current net annual assessment rate that will be employed in determining amounts payable by the Administrative Agent to the Federal Deposit Insurance Corporation (or any successor) for such date for insurance by such Corporation (or such successor) of time deposits made in dollars at the Administrative Agent's domestic offices.

"Assignment and Assumption" shall mean an assignment and assumption entered into by a Lender and an assignee, and accepted by the Administrative Agent, in the form of Exhibit A or such other form as shall be approved by the Administrative Agent.

"Board" shall mean the Board of Governors of the Federal Reserve System of the United States.

"Borrowers" shall mean Alcoa and the Borrowing Subsidiaries.

"Borrowing" shall mean any group of Loans of a single Type made by the Lenders on a single date and as to which a single Interest Period is in effect.

"Borrowing Subsidiaries" shall mean, at any time, the wholly-owned Subsidiaries of Alcoa that have undertaken the obligations of Borrowing Subsidiaries pursuant to Section 10.04(e).

"Borrowing Subsidiary Obligations" shall mean, collectively, the due and punctual payment by any Borrowing Subsidiary of the principal of and interest on the Loans to it, when and as due, whether at maturity, by acceleration or otherwise, and the due and punctual payment and performance of all other obligations of such Borrowing Subsidiary under this Agreement.

"Business Day" shall mean any day (other than a day which is a Saturday, Sunday or day on which banks in New York City are authorized or required by law to remain closed); provided, however, that, when used in connection with any LIBOR Loan, the term "Business Day" shall in each case also exclude any day on which banks are not open for dealings in dollar deposits in the London interbank market.

"CLO" shall have the meaning assigned to such term in Section 10.04(b).

"Code" shall mean the Internal Revenue Code of 1986, as the same may be amended from time to time.

"Commercial Paper" of any person shall mean any note, draft, bill of exchange or other negotiable instrument issued by such person (other than any extendable commercial notes issued pursuant to Section 4(2) of the Securities Act of 1933) that has a maturity at the time of issuance not exceeding thirteen months, exclusive of days of grace, or any renewal thereof the maturity of which is likewise limited, pursuant to Section 3(a)(3) or Section 4(2) of the Securities Act of 1933.

"Commitment" shall mean, with respect to each Lender, the commitment of such Lender to make Loans hereunder as set forth in Schedule 2.01, as the same may be terminated, reduced or increased from time to time pursuant to Section 2.09.

"Consolidated Net Tangible Assets" shall mean at any time, the aggregate amount of assets (less applicable reserves and other properly deductible items) of Alcoa and its consolidated Subsidiaries adjusted for inventories on the basis of cost (before application of the "last-in first-out" method of determining cost) or current market value, whichever is lower, and deducting therefrom (a) all current liabilities of such corporation and its consolidated Subsidiaries except for (i) notes and loans payable, (ii) current maturities of long-term debt and (iii) current maturities of obligations under capital leases and (b) all goodwill, trade names, patents, unamortized debt discount and expenses of such corporation and its consolidated Subsidiaries (to the extent included in said aggregate amount of assets) and other like intangibles, all as set forth in the most recent consolidated balance sheet of Alcoa and its consolidated Subsidiaries, delivered to the Administrative Agent pursuant to Section 5.01, computed and consolidated in accordance with GAAP.

"Consolidated Net Worth" shall mean at any time, the net worth of Alcoa and its consolidated Subsidiaries at such time (including minority interests), computed and consolidated in accordance with GAAP.

"Control" shall mean the possession, directly or indirectly, of the power to direct or cause the direction of the management or policies of a person, whether through the ownership of Voting Stock, by contract or otherwise, and "Controlling" and "Controlled" shall have meanings correlative thereto.

"Default" shall mean any event or condition which upon notice, lapse of time or both would constitute an Event of Default.

"Designation Date" shall have the meaning assigned to such term in Section 10.04(e).

"Designation of Borrowing Subsidiary" shall mean a Designation of Borrowing Subsidiary executed by Alcoa and a wholly-owned Subsidiary in the form of Exhibit D.

"dollars" or "\$" shall mean lawful money of the United States of America.

"Effective Date" shall mean the date of this Agreement.

"ERISA" shall mean the Employee Retirement Income Security Act of 1974, as the same may be amended from time to time.

"ERISA Affiliate" shall mean any trade or business (whether or not incorporated) that is a member of a group of which any Borrower is a member and which is treated as a single employer under Section 414 of the Code.

"ERISA Event" shall mean (i) any Reportable Event; (ii) the adoption of any amendment to a Plan that would require the provision of security pursuant to Section 401(a)(29) of the Code or Section 307 of ERISA; (iii) the existence with respect to any Plan of an "accumulated funding deficiency" (as defined in Section 412 of the Code or Section 302 of ERISA), whether or not waived; (iv) the filing pursuant to Section 412(d) of the Code or Section 302(d) of ERISA of an application for a waiver of the minimum funding standard with respect to any Plan; (v) the incurrence of any liability under Title IV of ERISA with respect to the termination of any Plan or the withdrawal or partial withdrawal of the Borrower or any of its ERISA Affiliates from any Plan or Multiemployer Plan; (vi) the receipt by the Borrower or any ERISA Affiliate from the PBGC or a plan administrator of any notice relating to the intention to terminate any Plan or Plans or to appoint a trustee to administer any Plan; (vii) the receipt by the Borrower or any ERISA Affiliate of any notice concerning the imposition of Withdrawal Liability or a determination that a Multiemployer Plan is, or is expected to be, insolvent or in reorganization, within the meaning of Title IV of ERISA; (viii) the occurrence of a "prohibited transaction" with respect to which the Borrower or any of its subsidiaries is a "disqualified person" (within the meaning of Section 4975 of the Code) or with respect to which the Borrower or any such subsidiary could otherwise be liable; (ix) any other similar event or condition with respect to a Plan or Multiemployer Plan that could result in liability of the Borrowers and (x) any Foreign Benefit Event.

"Event of Default" shall have the meaning assigned to such term in Article VII.

"Exchange Act Report" shall mean the Annual Report of Alcoa on Form 10-K for the year ended December 31, 2002 and Current Report on Form 8-K filed on April 7, 2003 by Alcoa with the Securities and Exchange Commission pursuant to the Securities Exchange Act of 1934.

"Existing 364-Day Credit Agreement" shall mean the Amended and Extended Revolving Credit Agreement (364-Day) dated as of April 26, 2002, among Alcoa, the lenders party thereto, JPMorgan Chase Bank, as Administrative Agent, and J.P. Morgan Securities Inc., as lead arranger and bookrunner.

"Facility Fee" shall have the meaning assigned to such term in Section 2.05(a).

"Facility Fee Percentage" shall mean on any date the applicable percentage set forth below based upon the ratings by S&P and Moody's, respectively, applicable on such date to the Index Debt:

Category 1	Percentage
AA-/Aa3 or above	.0500%
Category 2	
A+/A1	.0575%
Category 3	
A/A2	.0600%
Category 4	
A-/A3	.0650%
Category 5	
BBB/Baa2	.0900%
Category 6	
BBB-/Baa3 or below	.1400%

For purposes of the foregoing, (i) if neither Moody's nor S&P shall have in effect a rating for the Index Debt (other than by reason of the circumstances referred to in the last sentence of this definition), then both such rating agencies shall be deemed to have established ratings in Category 6; (ii) if only one of Moody's and S&P shall have in effect a rating for the Index Debt, then the Facility Fee Percentage shall be determined on the basis of such rating; (iii) if the ratings established or deemed to have been established by Moody's or S&P for any Index Debt shall fall within different Categories, the Facility Fee Percentage shall be based on the Category corresponding to the higher rating unless the ratings differ by two or more Categories, in which case the Facility Fee Percentage will be based upon the Category one level above the Category corresponding to the lower rating; and (iv) if any rating established or deemed to have been established by Moody's or S&P shall be changed (other than as a result of a change in the rating system of Moody's or S&P), such change shall be effective as of the date on which it is first announced by the applicable rating agency. Each change in the Facility Fee Percentage shall apply during the period commencing on the effective date of such change and ending on the date immediately preceding the effective date of the next such change. If the rating system of Moody's or S&P shall change, or if either of such rating agencies shall cease to be in the business of rating corporate debt obligations, Alcoa and the Lenders shall negotiate in good faith to amend the references to specific ratings in this definition to reflect such changed rating system or the non-availability of ratings from such rating agency, and pending the effectiveness of any such amendment, the ratings of

such rating agency most recently in effect prior to such change or cessation shall be employed in determining the Facility Fee Percentage.

"Financial Officer" of any corporation shall mean the chief financial officer, principal accounting officer, Treasurer or Controller of such corporation.

"Foreign Benefit Event" shall mean (a) with respect to any Foreign Pension Plan, (i) the existence of unfunded liabilities in excess of the amount permitted under any applicable law, or in excess of the amount that would be permitted absent a waiver from a Governmental Authority, (ii) the failure to make the required contributions or payments, under any applicable law, on or before the due date for such contributions or payments, (iii) the receipt of a notice by a Governmental Authority relating to the intention to terminate any such Foreign Pension Plan or to appoint a trustee to administer any such Foreign Pension Plan, or to the insolvency of any such Foreign Pension Plan and (iv) the incurrence of any liability of the Borrowers under applicable law on account of the complete or partial termination of such Foreign Pension Plan or the complete or partial withdrawal of any participating employer therein and (b) with respect to any Foreign Plan, (i) the occurrence of any transaction that is prohibited under any applicable law and could result in the incurrence of any liability by the Borrowers, or the imposition on the Borrowers of any fine, excise tax or penalty resulting from any noncompliance with any applicable law and (ii) any other event or condition that could reasonably be expected to result in liability of any of the Borrowers.

"Foreign Plan" shall mean any plan or arrangement established or maintained outside the United States for the benefit of present or former employees of any of the Borrowers.

"Foreign Pension Plan" shall mean any benefit plan which under applicable law is required to be funded through a trust or other funding vehicle other than a trust or funding vehicle maintained exclusively by a Governmental Authority.

"GAAP" shall mean generally accepted accounting principles, as used in, and applied on a basis consistent with, the financial statements of Alcoa referred to in Section 3.06.

"Governmental Authority" shall mean any Federal, state, local or foreign court or governmental agency, authority, instrumentality or regulatory body.

"Guarantee" of or by any person shall mean any obligation, contingent or otherwise, of such person guaranteeing any Indebtedness of any other person, whether directly or indirectly, and including any obligation of such person, direct or indirect, to purchase or pay such Indebtedness or to purchase any security for the payment of such Indebtedness; provided, however, that the term "Guarantee" shall not include endorsements for collection or deposit, in either case in the ordinary course of business.

"Indebtedness" of any person at any time shall mean, without duplication, (a) all obligations for money borrowed or raised, all obligations (other than accounts payable and other similar items arising in the ordinary course of business) for the

deferred payment of the purchase price of property, and all capital lease obligations which, in each case, in accordance with GAAP, would be included in determining total liabilities as shown on the liability side of the balance sheet of such person and (b) all Guarantees of such person.

"Index Debt" shall mean the senior, unsecured, non-credit enhanced, long-term Indebtedness for borrowed money of Alcoa.

"Interest Payment Date" shall mean, with respect to any Loan, the last day of the Interest Period applicable to the Borrowing of which such Loan is a part and, in the case of a LIBOR Borrowing with an Interest Period of more than three months' duration, each day that would have been an Interest Payment Date had successive Interest Periods of three months' duration been applicable to such Borrowing, and, in addition, the date of any refinancing, continuation or conversion of such Borrowing with or to a Borrowing of a different Type.

"Interest Period" shall mean (a) as to any LIBOR Borrowing, the period commencing on the date of such Borrowing or on the last day of the immediately preceding Interest Period applicable to such Borrowing, as the case may be, and ending on the numerically corresponding day (or, if there is no numerically corresponding day, on the last day) in the calendar month that is 1, 2, 3 or 6 months thereafter, as the Borrower to which such Loan is made may elect; and (b) as to any ABR Borrowing, the period commencing on the date of such Borrowing or on the last day of the immediately preceding Interest Period applicable to such Borrowing, as the case may be, and ending on the earliest of (i) the next succeeding March 31, June 30, September 30 or December 31, (ii) the Maturity Date and (iii) the date such Borrowing is prepaid in accordance with Section 2.11; provided, however, that if any Interest Period would end on a day other than a Business Day, such Interest Period shall be extended to the next succeeding Business Day unless, in the case of a LIBOR Borrowing only, such next succeeding Business Day would fall in the next calendar month, in which case such Interest Period shall end on the next preceding Business Day.

"Lenders" shall mean (a) the financial institutions listed on Schedule 2.01 (other than any such financial institution that has ceased to be a party hereto pursuant to an Assignment and Assumption) and (b) any financial institution that has become a party hereto pursuant to an Assignment and Assumption.

"LIBO Rate" shall mean, with respect to any LIBOR Borrowing for any Interest Period, an interest rate (rounded upwards, if necessary, to the next 1/16 of 1%) equal to the offered rate for dollar deposits for a period equal to the Interest Period for such LIBOR Borrowing that appears on the LIBO page on the Reuters Screen (or any page that can reasonably be considered a replacement page) at approximately 11:00 a.m., London time, two Business Days prior to the commencement of such Interest Period. If such rate is not available on the Reuters Screen, the "LIBO Rate" shall be the rate (rounded upwards, if necessary, to the next 1/16 of 1%) equal to the arithmetic average of the respective rates per annum at which dollar deposits approximately equal in principal amount to such LIBOR Borrowing and for a maturity comparable to such Interest Period

are offered in immediately available funds to the London branches of the Reference Banks in the London interbank market at approximately 11:00 a.m., London time, two Business Days prior to the commencement of such Interest Period. The Administrative Agent shall determine the LIBO Rate and such determination shall be conclusive absent manifest error.

"LIBOR Borrowing" shall mean a Borrowing comprised of LIBOR Loans.

"LIBOR Loan" shall mean any Loan bearing interest at a rate determined by reference to the LIBO Rate in accordance with the provisions of Article II.

"Lien" shall mean, with respect to any asset, (a) any mortgage, deed of trust, lien, pledge, encumbrance, charge or security interest in or on such asset, (b) the interest of a vendor or a lessor under any conditional sale agreement, capital lease or title retention agreement relating to such asset and (c) in the case of securities, any purchase option, call or similar right of a third party with respect to such securities.

"Loans" shall have the meaning assigned to it in Section 2.01. Each Loan shall be a LIBOR Loan or an ABR Loan.

"Material Adverse Effect" shall mean a materially adverse effect on the business, assets, operations or financial condition of Alcoa and its Subsidiaries taken as a whole, or a material impairment of the ability of Alcoa to perform any of its obligations under this Agreement.

"Maturity Date" shall mean April 23, 2004.

"Moody's" shall mean Moody's Investors Service, Inc.

"Multiemployer Plan" shall mean a multiemployer plan as defined in Section 4001(a)(3) of ERISA to which any Borrower or any ERISA Affiliate (other than one considered an ERISA Affiliate only pursuant to subsection (m) or (o) of Section 414 of the Code) is making or accruing an obligation to make contributions, or has within any of the preceding five plan years made or accrued an obligation to make contributions.

"PBGC" shall mean the Pension Benefit Guaranty Corporation referred to and defined in ERISA.

"person" shall mean any natural person, corporation organization, business trust, joint venture, association, company, partnership or government, or any agency or political subdivision thereof.

"Plan" shall mean any pension plan (other than a Multiemployer Plan) subject to the provisions of Title IV of ERISA or Section 412 of the Code which is maintained for employees of any Borrower or any ERISA Affiliate.

"Pro Rata Percentage" of any Lender at any time shall mean the percentage of the Total Commitment that is represented by such Lender's Commitment.

"Reference Banks" shall mean JPMorgan Chase Bank, Mellon Bank, N.A. and Bank of America, N.A.

"Register" shall have the meaning given such term in Section 10.04(b).

"Related Parties" means, with respect to any specified person, such person's Affiliates and the respective directors, officers, employees, agents and advisors of such person and such person's Affiliates.

"Reportable Event" shall mean any reportable event as defined in Section 4043(b) of ERISA or the regulations issued thereunder with respect to a Plan (other than a Plan maintained by an ERISA Affiliate which is considered an ERISA Affiliate only pursuant to subsection (m) or (o) of Section 414 of the Code).

"Required Lenders" shall mean Lenders representing at least 66-2/3% in principal amount of the outstanding Loans and unused Commitments.

"Responsible Officer" of any corporation shall mean any executive officer or Financial Officer of such corporation and any other officer or similar official thereof responsible for the administration of the obligations of such corporation in respect of this Agreement.

"Restricted Subsidiary" shall mean any consolidated Subsidiary of Alcoa which owns any manufacturing plant or manufacturing facility located in the United States, except any such plant or facility which, in the opinion of the Board of Directors of Alcoa, is not of material importance to the business of Alcoa and its Restricted Subsidiaries, taken as a whole, excluding any such Subsidiary which (a) is principally engaged in leasing or financing receivables, (b) is principally engaged in financing Alcoa's operations outside the United States or (c) principally serves as a partner in a partnership.

"S&P" shall mean Standard & Poor's Ratings Services, a Division of the McGraw-Hill Companies Inc.

"Statutory Reserves" shall mean a fraction (expressed as a decimal), the numerator of which is the number one and the denominator of which is the number one minus the aggregate of the maximum reserve percentages (including any marginal, special, emergency or supplemental reserves) expressed as a decimal established by the Board and any other banking authority to which the Administrative Agent is subject for new negotiable nonpersonal time deposits in dollars of over \$100,000 with maturities approximately equal to three months. Such reserve percentages shall include those imposed pursuant to such Regulation D of the Board. Statutory Reserves shall be adjusted automatically on and as of the effective date of any change in any reserve percentage.

"Subsidiary" shall mean, with respect to any person (herein referred to as the "parent"), any corporation, partnership, association or other business entity of which securities or other ownership interests representing more than 50% of the Voting Stock or

more than 50% of the general partnership interests are, at the time any determination is being made, owned, controlled or held by the parent or one or more Subsidiaries of the parent or by the parent and one or more Subsidiaries of the parent.

"Total Commitment" shall mean, at any time, the aggregate amount of the Commitments, as in effect at such time.

"2001 Five-Year Credit Agreement" shall mean the Amended and Restated Revolving Credit Agreement (Five-Year) dated as of April 27, 2001, and maturing on April 28, 2005, among Alcoa, the lenders party thereto, JPMorgan Chase Bank (formerly The Chase Manhattan Bank), as Administrative Agent, and J.P. Morgan Securities Inc. (formerly JPMorgan), as lead arranger and bookrunner.

"2003 Five-Year Credit Agreement" shall mean the Revolving Credit Agreement (Five-Year) dated as of April 25, 2003, and maturing on April 25, 2008, among Alcoa, the lenders party thereto, JPMorgan Chase Bank, as Administrative Agent, and J.P. Morgan Securities Inc., as lead arranger and bookrunner.

"Type", when used in respect of any Loan or Borrowing, shall refer to the Rate by reference to which interest on such Loan or on the Loans comprising such Borrowing is determined. For purposes hereof, "Rate" shall mean the LIBO Rate and the Alternate Base Rate.

"Voting Stock" with respect to the stock of any person means stock of any class or classes (however designated) having ordinary voting power for the election of the directors of such person, other than stock having such power only by reason of the occurrence of a contingency.

"Withdrawal Liability" shall mean liability to a Multiemployer Plan as a result of a complete or partial withdrawal from such Multiemployer Plan, as such terms are defined in Part I of Subtitle E of Title IV of ERISA.

SECTION 1.02. Terms Generally; Accounting Principles. The definitions in Section 1.01 shall apply equally to both the singular and plural forms of the terms defined. Whenever the context may require, any pronoun shall include the corresponding masculine, feminine and neuter forms. The words "include", "includes" and "including" shall be deemed to be followed by the phrase "without limitation". All references herein to Articles, Sections, Exhibits and Schedules shall be deemed references to Articles and Sections of, and Exhibits and Schedules to, this Agreement unless the context shall otherwise require, and all references herein to the "date hereof" or the "date of this Agreement" shall be construed as referring to April 25, 2003. Except as otherwise expressly provided herein, all terms of an accounting or financial nature shall be construed in accordance with GAAP, as in effect from time to time; provided, however, that, if Alcoa notifies the Administrative Agent that it requests an amendment to any provision hereof to eliminate the effect of any change in GAAP on the operation of such provision (or if the Administrative Agent notifies Alcoa that the Required Lenders request an amendment to any provision hereof for such purpose), regardless of whether

any such notice is given before or after such change in GAAP (provided such change in GAAP occurs after the date hereof), then such provision shall be interpreted on the basis of GAAP in effect immediately before such change became effective until such notice shall have been withdrawn or such provision amended in accordance herewith.

ARTICLE II

THE CREDITS

SECTION 2.01. Commitments. Subject to the terms and conditions and relying upon the representations and warranties herein set forth, each Lender agrees, severally and not jointly, to make revolving credit loans in dollars (the "Loans") to Alcoa and the Borrowing Subsidiaries, at any time and from time to time on or after the Effective Date and until the earlier of the Maturity Date and the termination of the Commitment of such Lender in accordance with the terms hereof; provided, however, that (i) after giving effect to any Loan, the aggregate principal amount of the outstanding Loans shall not exceed the Total Commitment and (ii) at all times the aggregate principal amount of all outstanding Loans made by each Lender shall equal its Pro Rata Percentage of the aggregate principal amount of all outstanding Loans. The Commitment of each Lender is set forth on Schedule 2.01 to this Agreement. Such Commitment may be terminated or reduced from time to time pursuant to Section 2.09. Within the limits set forth in the preceding sentence, the Borrowers may borrow, pay or prepay and reborrow Loans on or after the Effective Date and prior to the Maturity Date, subject to the terms, conditions and limitations set forth herein.

SECTION 2.02. Loans. (a) Each Loan shall be made as part of a Borrowing consisting of Loans made by the Lenders ratably in accordance with their respective applicable Commitments; provided, however, that the failure of any Lender to make any Loan shall not in itself relieve any other Lender of its obligation to lend hereunder (it being understood, however, that no Lender shall be responsible for the failure of any other Lender to make any Loan required to be made by such other Lender). The Loans comprising each Borrowing shall be in an aggregate principal amount which is an integral multiple of \$1,000,000 and not less than \$10,000,000 (or an aggregate principal amount equal to the remaining balance of the applicable Commitments, as the case may be).

(b) Each Borrowing shall be comprised entirely of LIBOR Loans or ABR Loans, as the applicable Borrower may request pursuant to Section 2.03. Each Lender may at its option fulfill its Commitment with respect to any Loan by causing any domestic or foreign branch or Affiliate of such Lender to make such Loan; provided, however, that any exercise of such option shall not affect the obligation of the applicable Borrower to repay such Loan in accordance with the terms of this Agreement. Borrowings of more than one Type may be outstanding at the same time; provided, however, that no Borrower shall be entitled to request any Borrowing which, if made, would result in an aggregate of more than five separate LIBOR Loans of any Lender being made to the Borrowers and outstanding under this Agreement at any one time. For

purposes of the foregoing, Loans having different Interest Periods, regardless of whether they commence on the same date, shall be considered separate Loans.

(c) Except as otherwise provided in Section 2.10, each Lender shall make each Loan that is (A) an ABR Loan or (B) a LIBOR Loan, to be made by it hereunder on the proposed date thereof by wire transfer of immediately available funds to the Administrative Agent in New York, New York, not later than 2:00 p.m., New York City time, and the Administrative Agent shall by 4:00 p.m., New York City time, credit the amounts so received to the general deposit account of the Borrower to which such Loan is to be made with Mellon Bank, N.A., or such other account as such Borrower may designate in a written notice to the Administrative Agent, or, if such Loans are not made on such date because any condition precedent to a Borrowing herein specified shall not have been met, return the amounts so received to the respective Lenders. Unless the Administrative Agent shall have received notice from a Lender prior to the time of any Borrowing that such Lender will not make available to the Administrative Agent such Lender's portion of such Borrowing, the Administrative Agent may assume that such Lender has made such portion available to the Administrative Agent on the date of such Borrowing in accordance with this paragraph (c) and the Administrative Agent may, in reliance upon such assumption, make available to the applicable Borrower on such date a corresponding amount. If and to the extent that such Lender shall not have made such portion available to the Administrative Agent, such Lender and the applicable Borrower severally agree to repay to the Administrative Agent forthwith on demand such corresponding amount together with interest thereon, for each day from the date such amount is made available to such Borrower until the date such amount is repaid to the Administrative Agent, at (i) in the case of such Borrower, the interest rate applicable at the time to the Loans comprising such Borrowing and (ii) in the case of such Lender, a rate determined by the Administrative Agent to represent its cost of overnight or short-term funds (which determination shall be conclusive absent manifest error). If such Lender shall repay to the Administrative Agent such corresponding amount, such amount shall constitute such Lender's Loan as part of such Borrowing for purposes of this Agreement.

(d) Notwithstanding any other provision of this Agreement, no Borrower shall be entitled to request any Borrowing if the Interest Period requested with respect thereto would end after the Maturity Date.

SECTION 2.03. Notice of Borrowings. In order to request a Borrowing, a Borrower shall give written or telecopy notice (or telephone notice promptly confirmed in writing or by telecopy) (a) in the case of an ABR Borrowing, to the Administrative Agent not later than 12:00 noon, New York City time, on the Business Day of such proposed Borrowing, (b) in the case of a LIBOR Borrowing, to the Administrative Agent not later than 10:00 a.m., New York City time, three Business Days before such proposed Borrowing. Such notice shall be irrevocable and shall in each case refer to this Agreement, identify the applicable Borrower and specify (i) whether such Borrowing is to be a LIBOR Borrowing or an ABR Borrowing; (ii) the date of such Borrowing (which shall be a Business Day) and the amount thereof; and (iii) if such Borrowing is to be a LIBOR Borrowing, the Interest Period with respect thereto. If no election as to the Type

of Borrowing is specified in any such notice, then the requested Borrowing shall be an ABR Borrowing. If no Interest Period with respect to any LIBOR Borrowing is specified in any such notice, then the Borrower giving the notice of Borrowing shall be deemed to have selected an Interest Period of one month's duration. If a Borrower shall not have given notice in accordance with this Section 2.03 of its election to refinance a Borrowing prior to the end of the Interest Period in effect for such Borrowing, then the Borrower shall (unless such Borrowing is repaid at the end of such Interest Period) be deemed to have given notice of an election to refinance such Borrowing with an ABR Borrowing. The Administrative Agent shall promptly advise the Lenders of any notice given pursuant to this Section 2.03 and of each Lender's portion of the requested Borrowing.

SECTION 2.04. Evidence of Debt; Repayment of Loans. (a) The outstanding principal balance of each Loan shall be payable on the earlier of the last day of the Interest Period applicable to such Loan or the Maturity Date.

(b) Each Lender shall maintain in accordance with its usual practice an account or accounts evidencing the indebtedness of each Borrower to such Lender resulting from each Loan made by such Lender from time to time, including the amounts of principal and interest payable and paid such Lender from time to time under this Agreement.

(c) The Administrative Agent shall maintain accounts in which it will record (i) the amount of each Loan made to a Borrower hereunder, (ii) the Type of each such Loan and the Interest Period applicable thereto, (iii) the amount of any principal or interest due and payable or to become due and payable from the applicable Borrower to each Lender hereunder and (iv) the amount of any sum received by the Administrative Agent hereunder from any Borrower and each Lender's share thereof.

(d) The entries made in the accounts maintained pursuant to paragraphs (b) and (c) above shall be prima facie evidence of the existence and amounts of the obligations therein recorded; provided, however, that the failure of any Lender or the Administrative Agent to maintain such accounts or any error therein shall not in any manner affect the obligation of any Borrower to repay the Loans in accordance with their terms.

(e) Notwithstanding any other provision of this Agreement, in the event any Lender shall request a promissory note evidencing the Loans made by it hereunder to Alcoa or any Borrowing Subsidiary, the Borrower shall deliver such a note, satisfactory to the Administrative Agent, payable to such Lender and its registered assigns, and the interests represented by such note shall at all times (including after any assignment of all or part of such interests pursuant to Section 10.04) be represented by one or more promissory notes payable to the payee named therein or its registered assigns.

SECTION 2.05. Fees. (a) Alcoa will pay to each Lender, through the Administrative Agent, on the last day of March, June, September and December in each year, and on the date on which the Commitment of such Lender shall be terminated as provided herein, a facility fee (the "Facility Fee") at a rate per annum equal to the Facility

Fee Percentage from time to time in effect on the aggregate amount of the Commitment of such Lender, whether used or unused, from time to time in effect during the preceding quarter (or shorter period commencing with the date hereof or ending with the Maturity Date or the date on which the Commitment of such Lender shall be terminated). All Facility Fees shall be computed on the basis of the actual number of days elapsed in a year of 360 days. The Facility Fee due to each Lender shall commence to accrue on the date hereof and shall cease to accrue on the date on which the Commitment of such Lender shall be terminated as provided herein.

(b) Alcoa agrees to pay to the Administrative Agent, for its own account, the fees payable in the amounts and at the times separately agreed upon between Alcoa and the Administrative Agent.

(c) All fees shall be paid on the dates due, in immediately available funds, to the Administrative Agent, for distribution, if and as appropriate, among the Lenders. Once paid, the fees shall not be refundable except in the case of an error which results in the payment of fees in excess of those due and payable as of such date, in which case the Administrative Agent shall cause a refund in the amount of such excess to be paid to Alcoa.

SECTION 2.06. Interest on Loans. (a) Subject to the provisions of Section 2.07, the unpaid principal amount of the Loans comprising each ABR Borrowing shall bear interest for each day (computed on the basis of the actual number of days elapsed over a year of 365 or 366 days, as the case may be, when the Alternate Base Rate is determined by reference to the Prime Rate and over a year of 360 days at all other times) at a rate per annum equal to the Alternate Base Rate.

(b) Subject to the provisions of Section 2.07, the unpaid principal amount of the Loans comprising each LIBOR Borrowing shall bear interest (computed on the basis of the actual number of days elapsed over a year of 360 days) at a rate per annum equal to the LIBO Rate for the Interest Period in effect for such Borrowing plus the Applicable Margin.

(c) Interest on each Loan shall be payable on the Interest Payment Dates applicable to such Loan except as otherwise provided in this Agreement. Interest shall accrue from and including the first day of an Interest Period to but excluding the last day of such Interest Period. The applicable LIBO Rate or Alternate Base Rate for each Interest Period or day within an Interest Period, as the case may be, shall be determined by the Administrative Agent, and such determination shall be conclusive absent manifest error.

SECTION 2.07. Default Interest. If any Borrower shall default in the payment of the principal of or interest on any Loan or any other amount becoming due hereunder, by acceleration or otherwise, such Borrower shall on demand from time to time pay interest, to the extent permitted by law, on such defaulted amount up to (but not including) the date of actual payment (after as well as before judgment) at a rate per annum equal to (a) in the case of overdue principal of any Loan, the rate otherwise

applicable to such Loan as provided in Section 2.06 plus 2% per annum, or (b) in the case of any other amount, the rate applicable to ABR Borrowings plus 2% per annum.

SECTION 2.08. Alternate Rate of Interest. In the event, and on each occasion, that on the day two Business Days prior to the commencement of any Interest Period for a LIBOR Loan, the Administrative Agent shall have determined in good faith that dollar deposits in the principal amounts of the Loans comprising such Borrowing are not generally available in the London interbank market or other market in which Lenders ordinarily raise dollars to fund Loans of the requested Type, or that the rates at which such dollar deposits are being offered will not adequately and fairly reflect the cost to any Lender of making or maintaining its LIBOR Loan during such Interest Period, or that reasonable means do not exist for ascertaining the LIBO Rate, then the Administrative Agent shall, as soon as practicable thereafter, give written or telecopy notice of such determination to the relevant Borrower and Lenders. In the event of any such determination, any request made by a Borrower after the date of such notice for a LIBOR Borrowing pursuant to Section 2.03 or 2.10 shall, until the Administrative Agent shall have advised the Borrowers and the Lenders that the circumstances giving rise to such notice no longer exist, be deemed to be a request for an ABR Borrowing. Each determination by the Administrative Agent hereunder shall be conclusive absent manifest error.

SECTION 2.09. Termination and Reduction of Commitments. (a) The Commitments shall be automatically terminated on the Maturity Date.

(b) Upon at least 10 Business Days' prior irrevocable, written or telecopy notice to the Administrative Agent, Alcoa may at any time in whole permanently terminate, or from time to time in part permanently reduce, the Total Commitment; provided, however, that (i) each partial reduction shall be in an integral multiple of \$1,000,000 and in a minimum principal amount of \$10,000,000 and (ii) the Total Commitment shall not be reduced to an amount that is less than the aggregate principal amount of the outstanding Loans (after giving effect to any simultaneous prepayment pursuant to Section 2.11).

(c) Each reduction in Commitments hereunder shall be made ratably among the Lenders in accordance with each such Lender's Pro Rata Percentage of the Total Commitment. Alcoa shall pay to the Administrative Agent for the account of the applicable Lenders, on the date of each such termination or reduction, the Facility Fees on the amount of the Commitments so terminated or reduced accrued to the date of such termination or reduction.

SECTION 2.10. Refinancings. Any Borrower may refinance all or any part of any Loan made to it with a Loan of the same or a different Type made pursuant to the same Commitments, subject to the conditions and limitations set forth in this Agreement. Any Borrowing or part thereof so refinanced shall be deemed to have been repaid or prepaid in accordance with Section 2.04 or 2.11, as applicable, with the proceeds of a new Borrowing; and the proceeds of the new Borrowing, to the extent they do not exceed the principal amount of the Borrowing being refinanced, shall not be paid

by the applicable Lenders to the Administrative Agent or by the Administrative Agent to the applicable Borrower pursuant to Section 2.02(c).

SECTION 2.11. Prepayment. (a) Each Borrower shall have the right at any time and from time to time to prepay any Borrowing, in whole or in part, upon at least three Business Days' prior written or teletype notice (or telephone notice promptly confirmed by written or teletype notice) to the Administrative Agent; provided, however, that each partial prepayment shall be in an amount which is an integral multiple of \$1,000,000 and not less than \$10,000,000.

(b) On the date of any termination or reduction of any Commitments pursuant to Section 2.09, the Borrowers shall pay or prepay so much of the Loans, as shall be necessary in order that, after giving effect to such reduction or termination, the aggregate principal amount of the outstanding Loans shall not exceed the Total Commitment.

(c) Each notice of prepayment shall specify the prepayment date and the principal amount of each Loan (or portion thereof) to be prepaid, shall be irrevocable and shall commit the applicable Borrower to prepay the Loan to which such notice relates by the amount stated therein on the date stated therein. All prepayments under this Section 2.11 shall be subject to Section 2.14 but otherwise without premium or penalty. All prepayments under this Section 2.11 shall be accompanied by accrued interest on the principal amount being prepaid to the date of payment.

SECTION 2.12. Reserve Requirements; Change in Circumstances. (a) Notwithstanding any other provision herein other than Section 2.14(c), if after the date of this Agreement any change in applicable law or regulation or in the interpretation or administration thereof by any Governmental Authority charged with the interpretation or administration thereof (whether or not having the force of law) shall change the basis of taxation of payments to any Lender of the principal of or interest on any LIBOR Loan made by such Lender or any fees or other amounts payable hereunder (other than changes in respect of taxes imposed on the overall net income of such Lender by the jurisdiction in which such Lender has its principal office or by any political subdivision or taxing authority therein), or shall impose, modify or deem applicable any reserve, special deposit or similar requirement against assets of, deposits with or for the account of or credit extended by such Lender (except any such reserve requirement which is reflected in the LIBO Rate or the Base CD Rate) or shall impose on such Lender or the London interbank market or other market in which Lenders ordinarily raise dollars to fund Loans of the requested Type any other condition affecting this Agreement or LIBOR Loans made by such Lender, and the result of any of the foregoing shall be to increase the cost to such Lender of funding, making or maintaining any LIBOR Loan or to reduce the amount of any sum received or receivable by such Lender hereunder (whether of principal, interest or otherwise) by an amount deemed by such Lender to be material, then Alcoa will pay or cause the other Borrowers to pay to such Lender upon demand such additional amount or amounts as will compensate such Lender for such additional costs incurred or reduction suffered.

(b) If any Lender shall have determined that the applicability of any law, rule, regulation, agreement or guideline adopted after the date of this Agreement pursuant to the July 1988 report of the Basle Committee on Banking Regulations and Supervisory Practices entitled "International Convergence of Capital Measurement and Capital Standards", or the adoption after the date hereof of any other law, rule, regulation, agreement or guideline regarding capital adequacy, or any change in any of the foregoing or in the interpretation or administration of any of the foregoing by any governmental authority, central bank or comparable agency charged with the interpretation or administration thereof, or compliance by any Lender (or any lending office of such Lender) or any Lender's holding company with any request or directive regarding capital adequacy (whether or not having the force of law) of any such authority, central bank or comparable agency, has or would have the effect of reducing the rate of return on such Lender's capital or on the capital of such Lender's holding company, if any, as a consequence of this Agreement or the Loans made by such Lender pursuant hereto to a level below that which such Lender or such Lender's holding company could have achieved but for such applicability, adoption, change or compliance (taking into consideration such Lender's policies and the policies of such Lender's holding company with respect to capital adequacy) by an amount deemed by such Lender to be material, then from time to time Alcoa shall pay or cause the other Borrowers to pay to such Lender such additional amount or amounts as will compensate such Lender or such Lender's holding company for any such reduction suffered.

(c) A certificate of each Lender setting forth such amount or amounts as shall be necessary to compensate such Lender or its holding company as specified in paragraph (a) or (b) above, as the case may be, together with a statement of reasons for such demand and showing the calculation for such amounts shall be delivered to Alcoa and shall be conclusive absent manifest error. Alcoa shall pay or cause to be paid to each Lender the amount shown as due on any such certificate delivered by it within 10 days after its receipt of the same.

(d) Except as provided in this paragraph, failure on the part of any Lender to demand compensation for any increased costs or reduction in amounts received or receivable or reduction in return on capital with respect to any period shall not constitute a waiver of such Lender's right to demand compensation with respect to such period or any other period. The protection of this Section 2.12 shall be available to each Lender regardless of any possible contention of the invalidity or inapplicability of the law, rule, regulation, guideline or other change or condition which shall have occurred or been imposed. No Lender shall be entitled to compensation under this Section 2.12 for any costs incurred or reductions suffered with respect to any date unless it shall have notified Alcoa that it will demand compensation for such costs or reductions under paragraph (c) above not more than 60 days after the later of (i) such date and (ii) the date on which it shall have or reasonably should have become aware of such costs or reductions. In the event a Borrower shall reimburse any Lender pursuant to this Section 2.12 for any cost and the Lender shall subsequently receive a refund in respect thereof, the Lender shall so notify such Borrower and shall pay to such Borrower the portion of such refund which it shall determine in good faith to be allocable to the cost so reimbursed.

SECTION 2.13. Change in Legality. (a) Notwithstanding any other provision herein other than Section 2.14(c), if any change in any law or regulation or in the interpretation thereof by any Governmental Authority charged with the administration or interpretation thereof shall make it unlawful for any Lender to make or maintain any LIBOR Loan or to give effect to its obligations as contemplated hereby with respect to any LIBOR Loan, then, by written or telecopy notice to Alcoa and the Administrative Agent, such Lender may:

(i) declare that LIBOR Loans will not thereafter be made by such Lender hereunder, whereupon any request by a Borrower for a LIBOR Borrowing shall, as to such Lender only, be deemed a request for an ABR Loan unless such declaration shall be subsequently withdrawn; and

(ii) require that all outstanding LIBOR Loans made by it be converted to ABR Loans, in which event all such LIBOR Loans shall automatically be so converted as of the effective date of such notice as provided in paragraph (b) below.

In the event any Lender shall exercise its rights under clause (i) or (ii) above, all payments and prepayments of principal which would otherwise have been applied to repay the LIBOR Loans that would have been made by such Lender or the converted LIBOR Loans of such Lender shall instead be applied to repay the Loans made by such Lender in lieu of, or resulting from the conversion of, such LIBOR Loans.

(b) For purposes of this Section 2.13, a notice by any Lender shall be effective as to each LIBOR Loan, if lawful, on the last day of the Interest Period applicable to such LIBOR Loan; in all other cases such notice shall be effective on the date of receipt.

SECTION 2.14. Indemnity. Alcoa shall indemnify or cause the other Borrowers to indemnify each Lender against any loss or expense which such Lender may sustain or incur as a consequence of (a) any failure to fulfill on the date of any borrowing hereunder the applicable conditions set forth in Article IV, (b) any failure by a Borrower to borrow or refinance any Loan hereunder after irrevocable notice of such borrowing or refinancing has been given pursuant to Section 2.03, (c) any payment, prepayment or refinancing of a LIBOR Loan required by any other provision of this Agreement or otherwise made or deemed made on a date other than the last day of the Interest Period applicable thereto, other than any loss of profit resulting from any event, circumstance or condition set forth in Section 2.12 or 2.13, (d) any default in payment or prepayment of the principal amount of any Loan or any part thereof or interest accrued thereon, as and when due and payable (at the due date thereof, whether by scheduled maturity, acceleration, irrevocable notice of prepayment or otherwise) or (e) the occurrence of any Event of Default, including, in each such case, any loss or reasonable expense sustained or incurred or to be sustained or incurred in liquidating or employing deposits from third parties acquired to effect or maintain such Loan or any part thereof as a LIBOR Loan. Such loss or reasonable expense shall include an amount equal to the excess, if any, as reasonably determined by such Lender, of (i) its cost of obtaining the funds for the Loan

being paid, prepaid, refinanced or not borrowed (assumed to be the LIBO Rate applicable thereto) for the period from the date of such payment, prepayment, refinancing or failure to borrow or refinance to the last day of the Interest Period for such Loan (or, in the case of a failure to borrow or refinance the Interest Period for such Loan which would have commenced on the date of such failure) over (ii) the amount of interest (as reasonably determined by such Lender) that would be realized by such Lender in reemploying the funds so paid, prepaid or not borrowed or refinanced for such period or Interest Period, as the case may be. A certificate of any Lender setting forth any amount or amounts which such Lender is entitled to receive pursuant to this Section together with a statement of reasons for such demand and the calculation of such amount or amounts shall be delivered to Alcoa and shall be conclusive absent manifest error.

SECTION 2.15. Pro Rata Treatment. Except as required under Section 2.13, each Borrowing, each payment or prepayment of principal of any Borrowing, each payment of interest on the Loans, each payment of the Facility Fees, each reduction of Commitments and each conversion or continuation of any Borrowing with a Borrowing of any Type shall be allocated pro rata among the Lenders in accordance with their respective applicable Commitments (or, if such Commitments shall have expired or been terminated, in accordance with the respective principal amounts of their applicable outstanding Loans). Each Lender agrees that in computing such Lender's portion of any Borrowing to be made hereunder, the Administrative Agent may, in its discretion, round each Lender's percentage of such Borrowing, computed in accordance with Schedule 2.01, to the next higher or lower whole dollar amount.

SECTION 2.16. Sharing of Setoffs. Each Lender agrees that if it shall, through the exercise of a right of banker's lien, setoff or counterclaim against any Borrower, or pursuant to a secured claim under Section 506 of Title 11 of the United States Code or other security or interest arising from, or in lieu of, such secured claim, received by such Lender under any applicable bankruptcy, insolvency or other similar law or otherwise, or by any other means, obtain payment (voluntary or involuntary) in respect of any Loan or Loans as a result of which the unpaid principal portion of its Loans shall be proportionately less than the unpaid principal portion of the Loans of any other Lender, it shall be deemed simultaneously to have purchased from such other Lender at face value, and shall promptly pay to such other Lender the purchase price for, a participation in the Loans of such other Lender, so that the aggregate unpaid principal amount of the Loans and participations in Loans held by each Lender shall be in the same proportion to the aggregate unpaid principal amount of all Loans then outstanding as the principal amount of its Loans prior to such exercise of banker's lien, setoff or counterclaim or other event was to the principal amount of all Loans outstanding prior to such exercise of banker's lien, setoff or counterclaim or other event; provided, however, that, if any such purchase or purchases or adjustments shall be made pursuant to this Section and the payment giving rise thereto shall thereafter be recovered, such purchase or purchases or adjustments shall be rescinded to the extent of such recovery and the purchase price or prices or adjustment restored without interest. Alcoa and each other Borrower expressly consent to the foregoing arrangements and agree that any Lender holding a participation in a Loan deemed to have been so purchased may exercise any and all rights of banker's lien, setoff or counterclaim with respect to any and all moneys

owing by Alcoa or such other Borrower to such Lender by reason thereof as fully as if such Lender had made a Loan directly to Alcoa or such Borrower in the amount of such participation.

SECTION 2.17. Payments. (a) Each payment or prepayment by any Borrower of the principal of or interest on any Loans, any fees payable to the Administrative Agent or the Lenders or any other amounts due hereunder (other than amounts referred to in clause (b) below) shall be made, without setoff or counterclaim, not later than 12:00 (noon), New York City time, on the date when due in dollars to the Administrative Agent at its offices at 270 Park Avenue, New York, New York, in immediately available funds.

(b) Whenever any payment (including principal of or interest on any Borrowing or any fees or other amounts) hereunder shall become due, or otherwise would occur, on a day that is not a Business Day, such payment may be made on the next succeeding Business Day, and such extension of time shall in such case be included in the computation of interest or fees, if applicable.

SECTION 2.18. Taxes. (a) Any and all payments by or on behalf of a Borrower hereunder shall be made free and clear of and without deduction for any and all present or future taxes, levies, imposts, deductions, charges or withholdings, and all liabilities with respect thereto, excluding taxes imposed on the net income of the Administrative Agent or any Lender (or any transferee or assignee thereof, including a participation holder (any such entity a "Transferee")) and franchise taxes imposed on the Administrative Agent or any Lender (or Transferee) in each case by the United States or any jurisdiction under the laws of which the Administrative Agent or any such Lender (or Transferee) is organized or any political subdivision thereof (all such nonexcluded taxes, levies, imposts, deductions, charges, withholdings and liabilities, collectively or individually, "Taxes"). If any Borrower shall be required by law to deduct any Taxes from or in respect of any sum payable hereunder to the Lenders (or any Transferee) or the Administrative Agent, (i) the sum payable shall be increased by the amount necessary so that after making all required deductions (including deductions applicable to additional sums payable under this Section 2.18) such Lender (or Transferee) or the Administrative Agent (as the case may be) shall receive an amount equal to the sum it would have received had no such deductions been made, (ii) such Borrower shall make such deductions and (iii) such Borrower shall pay the full amount deducted to the relevant taxing authority or other Governmental Authority in accordance with applicable law; provided, however, that no Transferee of any Lender shall be entitled to receive any greater payment under this paragraph (a) than such Lender would have been entitled to receive immediately before assignment, participation or other transfer with respect to the rights assigned, participated or transferred unless such assignment, participation or transfer shall have been made (A) prior to the occurrence of an event (including any change in treaty, law or regulation) giving rise to such greater payment or (B) at the request of Alcoa.

(b) In addition, each Borrower agrees to pay any present or future stamp or documentary taxes or any other excise or property taxes, charges or similar levies

which arise from any payment made hereunder or from the execution, delivery or registration of, or otherwise with respect to, this Agreement (hereinafter referred to as "Other Taxes").

(c) Each Borrower will indemnify each Lender (or Transferee) and the Administrative Agent for the full amount of Taxes and Other Taxes paid by such Lender (or Transferee) or the Administrative Agent, as the case may be, and any liability (including penalties, interest and expenses) arising therefrom or with respect thereto, whether or not such Taxes or Other Taxes were correctly or legally asserted by the relevant taxing authority or other Governmental Authority. Such indemnification shall be made within 30 days after the date any Lender (or Transferee) or the Administrative Agent, as the case may be, makes written demand therefor, together with a statement of reasons for such demand and the calculations of such amount.

(d) Within 30 days after the date of any payment of Taxes or Other Taxes withheld by any Borrower in respect of any payment to any Lender (or Transferee) or the Administrative Agent, such Borrower will furnish to the Administrative Agent, at its address referred to in Section 10.01, the original or a certified copy of a receipt evidencing payment thereof.

(e) Without prejudice to the survival of any other agreement contained herein, the agreements and obligations contained in this Section 2.18 shall survive the payment in full of the principal of and interest on all Loans made hereunder.

(f) Each Lender (or Transferee) represents to Alcoa that, on the date such Lender (or such Transferee) becomes a party to this Agreement, it is eligible to receive payments of interest hereunder from Alcoa or any Borrowing Subsidiary without withholding in respect of United States Federal withholding tax (except, in the case of a Transferee of any Lender, as a result of the occurrence of an event (including a change in treaty, law or regulation) after the date of this Agreement giving rise to withholding to which such Lender would be subject).

(g) Each Lender (or Transferee, other than a Transferee described in the exception in Section 2.18(f)) that is organized under the laws of a jurisdiction outside the United States shall, on or before the date it becomes a party to this Agreement (or, in the case of a Transferee that is a participation holder, on or before the date such Transferee becomes a participation holder hereunder), deliver to Alcoa and the Administrative Agent such certificates, documents or other evidence, as required by the Code or Treasury Regulations issued pursuant thereto, including Internal Revenue Service Form W8-BEN, Form W-8ECI, or any other certificate or statement of exemption required by Treasury Regulation Section 1.1441-1, 1.1441-4 or 1.1441-6(c) or any subsequent version thereof or successors thereto, properly completed and duly executed by such Lender (or Transferee) establishing that payment is (i) not subject to United States Federal withholding tax under the Code because such payments are effectively connected with the conduct by such Lender (or Transferee) of a trade or business in the United States or (ii) totally exempt from United States Federal withholding tax under a provision of an applicable tax treaty. In addition, each such Lender (or such Transferee) shall, if legally

able to do so, thereafter deliver such certificates, documents or other evidence from time to time establishing that payments received hereunder are not subject to such withholding upon receipt of a written request therefor from Alcoa or the Administrative Agent. Unless Alcoa and the Administrative Agent have received forms or other documents satisfactory to them indicating that payments hereunder are not subject to United States Federal withholding tax, Alcoa or the Administrative Agent shall withhold such taxes from such payments at the applicable statutory rate, subject to Section 2.18(a).

(h) None of the Borrowers shall be required to pay any additional amounts to any Lender (or Transferee) in respect of United States Federal withholding tax pursuant to paragraph (a) above to the extent that the obligation to pay such additional amounts would not have arisen but for a failure by such Lender (or Transferee) to deliver the certificates, documents or other evidence required to be delivered under the preceding paragraph (g) unless such failure is attributable to (i) a change in applicable law, regulation or official interpretation thereof or (ii) an amendment or modification to or a revocation of any applicable tax treaty or a change in official position regarding the application or interpretation thereof, in each case on or after the date such Lender (or Transferee) became a party to this Agreement.

(i) Any Lender (or Transferee) claiming any additional amounts payable pursuant to this Section 2.18 shall use reasonable efforts (consistent with legal and regulatory restrictions) to file any certificate or document requested in writing by the relevant Borrower or to change the jurisdiction of its applicable lending office if the making of such a filing or change would avoid the need for or reduce the amount of any such additional amounts which may thereafter accrue and would not, in the sole determination of such Lender (or Transferee), be otherwise disadvantageous to such Lender (or Transferee).

(j) If a Lender (or Transferee) or the Administrative Agent shall become aware that it may be entitled to receive a refund in respect of Taxes or Other Taxes as to which it has been indemnified by a Borrower pursuant to this Section 2.18, it shall promptly notify Alcoa of the availability of such refund and shall, within 30 days after receipt of a request by Alcoa, apply for such refund at Alcoa's expense. If any Lender (or Transferee) or the Administrative Agent receives a refund in respect of any Taxes or Other Taxes as to which it has been indemnified by a Borrower pursuant to this Section 2.18, it shall promptly repay such refund to such Borrower (to the extent of amounts that have been paid by such Borrower under this Section 2.18 with respect to such refund), net of all out-of-pocket expenses (including taxes imposed with respect to such refund) of such Lender (or Transferee) or the Administrative Agent and without interest; provided, however, that such Borrower, upon the request of such Lender (or Transferee) or the Administrative Agent, agrees to return such refund (plus penalties, interest or other charges) to such Lender (or Transferee) or the Administrative Agent in the event such Lender (or Transferee) or the Administrative Agent is required to repay such refund.

(k) Nothing contained in this Section 2.18 shall require any Lender (or Transferee) or the Administrative Agent to make available any of its tax returns (or any other information relating to its taxes which it deems to be confidential).

(l) No Borrower shall be required to reimburse any Lender (or Transferee) or the Administrative Agent with respect to any Tax or Other Tax unless such Lender, Transferee or the Administrative Agent notifies such Borrower of the amount of such Tax or Other Tax on or before the second anniversary of the date such Lender, Transferee or the Administrative Agent pays such Tax or Other Tax.

SECTION 2.19. Assignment of Commitments Under Certain Circumstances.

In the event that any Lender shall have delivered a notice or certificate pursuant to Section 2.12 or 2.13, or a Borrower shall be required to make additional payments to any Lender under Section 2.18, Alcoa shall have the right, at its own expense, upon notice to such Lender and the Administrative Agent, to require such Lender to transfer and assign without recourse (in accordance with and subject to the restrictions contained in Section 10.04) all its interests, rights and obligations under this Agreement to another financial institution which shall assume such obligations; provided, however, that (i) no such assignment shall conflict with any law, rule or regulation or order of any Governmental Authority and (ii) Alcoa or the assignee, as the case may be, shall pay (or, in the case of Alcoa, cause another Borrower to pay) to the affected Lender in immediately available funds on the date of such termination or assignment the principal of and interest accrued to the date of payment on the Loans made by it hereunder and all other amounts accrued for its account or owed to it hereunder.

ARTICLE III

REPRESENTATIONS AND WARRANTIES

Each Borrower represents and warrants to each of the Lenders with respect to itself as follows (except that the Borrowing Subsidiaries make no representations or warranties under Section 3.06 or 3.09):

SECTION 3.01. Organization. Such Borrower is a corporation duly organized, validly existing and, where applicable, in good standing under the laws of its jurisdiction of incorporation and is duly qualified to do business as a foreign corporation and, where applicable, is in good standing in all other jurisdictions in which the ownership of its properties or the nature of its activities or both makes such qualification necessary, except to the extent that failure to be so qualified would not result in a Material Adverse Effect.

SECTION 3.02. Authorization. Such Borrower has corporate power and authority to execute, deliver and carry out the provisions of this Agreement to which it is a party, to borrow hereunder and to perform its obligations hereunder and all such action has been duly and validly authorized by all necessary corporate proceedings on its part.

SECTION 3.03. Enforceability. This Agreement has been duly executed and delivered by such Borrower and constitutes the legal, valid and binding obligation of such Borrower enforceable in accordance to its terms, except as limited by bankruptcy, insolvency or other similar laws of general application affecting the enforcement of creditors' rights or by general principles of equity limiting the availability of equitable remedies.

SECTION 3.04. Governmental Approvals. No authorization, consent, approval, license, exemption or other action by, and no registration, qualification, designation, declaration or filing with, any Governmental Authority is necessary in connection with such Borrower's execution and delivery of this Agreement, the consummation by any Borrower of the transactions contemplated hereby or such Borrower's performance of or compliance with the terms and conditions hereof, except as set forth on Schedule 3.04.

SECTION 3.05. No Conflict. None of the execution and delivery by such Borrower of this Agreement, the consummation by such Borrower of the transactions contemplated hereby or performance by such Borrower of or compliance by such Borrower with the terms and conditions hereof or thereof will (a) violate any law, constitution, statute, treaty, regulation, rule, ordinance, order, injunction, writ, decree or award of any Governmental Authority to which it is subject, (b) conflict with or result in a breach or default under its charter or Memorandum and Articles of Association or by-laws, as applicable, (c) conflict with or result in a breach or default which is material in the context of this Agreement under any agreement or instrument to which such Borrower is a party or by which it or any of its properties, whether now owned or hereafter acquired, may be subject or bound or (d) result in the creation or imposition of any Lien prohibited by Section 6.01 upon any property or assets, whether now owned or hereafter acquired, of such Borrower.

SECTION 3.06. Financial Statements. In the case of Alcoa, it has furnished to the Lenders copies of its consolidated balance sheet as of December 31, 2002, and the related consolidated statements of income and cash flow for the year then ended, all examined and certified by PricewaterhouseCoopers, LLP. Such financial statements (including the notes thereto) present fairly the financial condition of Alcoa and its Subsidiaries as of such dates and the results of their operations for the periods then ended, all in conformity with GAAP, subject (in the case of the interim financial statements) to year-end audit adjustments.

SECTION 3.07. No Defaults. No event has occurred and is continuing and no condition exists which constitutes a Default or Event of Default hereunder. Such Borrower is not in violation of (i) any term of its charter or Constitution or by-laws, as applicable, or (ii) any material agreement or instrument to which it is a party or by which it or any of its properties may be subject or bound where such violation is likely to result in a Material Adverse Effect.

SECTION 3.08. Litigation. Except as set forth in the financial statements referred to in Section 3.06 or any Exchange Act Report or otherwise disclosed on

Schedule 3.08, there is no pending or, to the knowledge of any of its Responsible Officers, threatened proceeding by or before any Governmental Authority against it which in the opinion of its counsel is likely to result in a Material Adverse Effect. Except as set forth in the financial statements referred to in Section 3.06 or any Exchange Act Report or otherwise disclosed in Schedule 3.08, there is no pending or, to the knowledge of any of its Responsible Officers, threatened proceeding by or before any Governmental Authority against any of its Subsidiaries which in the opinion of its counsel is likely to result in a Material Adverse Effect.

SECTION 3.09. No Material Adverse Change. As of the date of this Agreement, there has been no material adverse change in the business, assets, operations or financial condition of itself and its Subsidiaries, taken as a whole except, in the case of Alcoa and the Borrowing Subsidiaries, as disclosed in any Exchange Act Report since December 31, 2002.

SECTION 3.10. Employee Benefit Plans. (a) U.S. Plans. It and each of its ERISA Affiliates is in compliance in all material respects with the applicable provisions of ERISA and the regulations and published interpretations thereunder. No Reportable Event has occurred as to which such Borrower or any ERISA Affiliate was required to file a report with the PBGC that alone or together with any other Reportable Event would reasonably be expected to result in a liability of such Borrower to the PBGC in an aggregate amount in excess of \$25,000,000. The aggregate present value of all benefit liabilities under the Plans (based on the assumptions used to fund such Plans) did not, as of the last annual valuation dates applicable thereto, exceed the aggregate value of the assets of the Plans by more than 10% of Consolidated Net Worth. Neither such Borrower nor any ERISA Affiliate has incurred any Withdrawal Liability that would reasonably be expected to result in a Material Adverse Effect. Neither such Borrower nor any ERISA Affiliate has received any notification that any Multiemployer Plan is in reorganization or has been terminated within the meaning of Title IV of ERISA, and no Responsible Officer of any Borrower has knowledge of any fact which would reasonably be expected to result in the reorganization or termination of a Multiemployer Plan where such reorganization or termination has resulted or would reasonably be expected to result, through increases in the contributions required to be made to such Plan or otherwise, in a Material Adverse Effect.

(b) Foreign Plans. Each Foreign Plan is in compliance in all material respects with all requirements of law applicable thereto and the respective requirements of the governing documents for such plan except to the extent such non-compliance could not reasonably be expected to result in a Material Adverse Effect. With respect to each Foreign Pension Plan, none of the Borrowers, their respective Affiliates or any of their directors, officers, employees or agents has engaged in a transaction which would subject any of the Borrowers, directly or indirectly, to a material tax or civil penalty which could reasonably be expected to result in a Material Adverse Effect. With respect to each Foreign Pension Plan, none of the Borrowers, their respective Affiliates or any of their directors, officers, employees or agents has engaged in a transaction which would subject any of the Borrowers, directly or indirectly, to a material tax or civil penalty which could reasonably be expected to result in a Material Adverse Effect. With respect to each

Foreign Plan, adequate reserves have been established in the financial statements furnished to Lenders in respect of any unfunded liabilities in accordance with applicable law and prudent business practice or, where required, in accordance with ordinary accounting practices in the jurisdiction in which such Foreign Plan is maintained. The aggregate unfunded liabilities, after giving effect to any such reserves for such liabilities, with respect to such Foreign Plans could not reasonably be expected to result in a Material Adverse Effect. There are no material actions, suits or claims (other than routine claims for benefits) pending or threatened against any of the Borrowers or any of their Affiliates with respect to any Foreign Plan which could reasonably be expected, individually or in the aggregate, to result in a Material Adverse Effect.

SECTION 3.11. Title to Properties; Possession Under Leases. (a) Such Borrower and each of its Subsidiaries have good and marketable title to, or valid leasehold interests in, all its material properties and assets, except for minor defects in title that do not materially interfere with its ability to conduct its business as currently conducted or to utilize such properties and assets for their intended purposes.

(b) Such Borrower and each of its Subsidiaries have complied with all material obligations under all material leases to which it is a party and all such leases are in full force and effect. Such Borrower and its Subsidiaries enjoy peaceful and undisturbed possession under all such material leases.

SECTION 3.12. Investment Company Act; Public Utility Holding Company Act. None of Alcoa or any Borrowing Subsidiary is an "investment company" as defined in, or subject to regulation under, the Investment Company Act of 1940. Alcoa is exempted as, and no Borrowing Subsidiary is, a "holding company" as defined in, or subject to regulation under, the Public Utility Holding Company Act of 1935.

SECTION 3.13. Tax Returns. Such Borrower and its Subsidiaries have filed or caused to be filed all Federal, state, local and foreign tax returns required to have been filed by it and have paid or caused to be paid all taxes shown to be due and payable on such returns or on any assessments received by it, except taxes that are being contested in good faith by appropriate proceedings and for which adequate reserves are maintained in accordance with GAAP.

SECTION 3.14. Compliance with Laws and Agreements. (a) Neither such Borrower nor any of its Subsidiaries is in violation of any law, rule or regulation, or in default with respect to any judgment, writ, injunction or decree of any Governmental Authority, where such violation or default would reasonably be expected to result in a Material Adverse Effect.

(b) Neither such Borrower nor any of its Subsidiaries is in default in any material manner under any provision of any indenture or other agreement or instrument evidencing Indebtedness, or any other material agreement or instrument to which it is a party or by which it or any of its properties or assets are or may be bound, where such default would be reasonably likely to result in a Material Adverse Effect.

SECTION 3.15. No Material Misstatements. Except for information not prepared by Alcoa and expressly disclaimed thereby, no report, financial statement, exhibit or schedule furnished by or on behalf of such Borrower to the Administrative Agent or any Lender in connection with the negotiation of this Agreement or included herein or delivered pursuant thereto contained or contains any material misstatement of fact or omitted or omits to state any material fact necessary to make the statements therein, in the light of the circumstances under which they were or are made, not misleading.

SECTION 3.16. Federal Reserve Regulations. The proceeds of any Loan will be used to provide working capital or for other general corporate purposes, including but not limited to the support of Alcoa's Commercial Paper program. No part of the proceeds of any Loan to such Borrower will be used, whether directly or indirectly, and whether immediately, incidentally or ultimately, for any purpose that entails a violation of any of the Regulations of the Board, including Regulations U and X.

SECTION 3.17. No Trusts. Such Borrower is not entering into this Agreement in its capacity as trustee of any trust.

ARTICLE IV

CONDITIONS OF EFFECTIVENESS, LENDING AND DESIGNATION OF BORROWING SUBSIDIARIES

The obligations of the Lenders to make Loans to any Borrower hereunder are subject to the satisfaction of the conditions set forth in Sections 4.01 and 4.02 below (and, in the case of Loans to any Borrowing Subsidiary, the satisfaction, as to such Borrowing Subsidiary, of the conditions set forth in Section 4.03 below):

SECTION 4.01. Effective Date. On the Effective Date:

(a) The Administrative Agent shall have received a written opinion of Thomas F. Seligson, Counsel of Alcoa, dated the Effective Date and addressed to the Lenders, to the effect set forth in Exhibit C hereto.

(b) All legal matters incident to this Agreement and the borrowings hereunder shall be satisfactory to the Lenders and to Cravath, Swaine & Moore, counsel for the Administrative Agent.

(c) The Administrative Agent shall have received (i) a copy, including all amendments thereto, of the charter of Alcoa, certified as of a recent date by the Secretary of State or other appropriate official of its jurisdiction of incorporation and a certificate as to the good standing of Alcoa as of a recent date, from such Secretary of State or other official; (ii) a certificate of the Secretary or Assistant Secretary of Alcoa dated the Effective Date and certifying (A) that attached thereto is a true and complete copy of the by-laws of such corporation as in effect on the Effective Date showing all amendments thereto since the date of the resolutions described in clause (B) below, (B) that attached thereto is a true and complete copy of resolutions duly adopted by the Board of Directors

of such corporation authorizing the execution, delivery and performance of this Agreement and the borrowings by such corporation hereunder, and that such resolutions have not been modified, rescinded or amended and are in full force and effect, (C) that the charter of Alcoa has not been amended since the date of the last amendment thereto shown on the certificate of good standing furnished pursuant to clause (i) above and (D) as to the incumbency and specimen signature of each officer executing this Agreement or any other document delivered in connection herewith on behalf of such corporation; (iii) a certificate of another officer of each such corporation as to the incumbency and specimen signature of the Secretary or Assistant Secretary executing the certificate pursuant to (ii) above; and (iv) such other documents as the Lenders or Cravath, Swaine & Moore, counsel for the Administrative Agent may reasonably request.

(d) No loans shall be outstanding under the Existing 364-Day Credit Agreement and the commitments under such Agreement shall have been terminated.

(e) The Administrative Agent shall have received certificates dated the Effective Date and signed by a Financial Officer of Alcoa confirming the satisfaction of the conditions precedent set forth in paragraph (d) of this Section 4.01 and paragraph (b) and paragraph (c) of Section 4.02.

(f) The Administrative Agent shall have received all fees and other amounts due and payable on or prior to the Effective Date, including all fees accrued to the date hereof under the Existing 364-Day Credit Agreement.

(g) The Administrative Agent shall have received certificates of a Responsible Officer of Alcoa, each dated the Effective Date and stating that (i) except as disclosed in the Exchange Act Report or otherwise disclosed in such certificate, Alcoa and each of its Subsidiaries have complied in all respects with all Federal, state, local and foreign statutes, ordinances, orders, judgments, rulings and regulations relating to environmental pollution or to environmental regulation or control except to the extent any such failure so to comply would not, alone or together with any other such failure, be reasonably likely to result in a Material Adverse Effect; (ii) neither Alcoa nor any of its Subsidiaries has received notice of any failure so to comply which alone or together with any other such failure would be reasonably likely to result in a Material Adverse Effect; and (iii) the plants of Alcoa and its Subsidiaries do not manage any hazardous wastes, toxic pollutants or substances similarly denominated in violation of any applicable law or regulations promulgated pursuant thereto including, for operations within the United States, the Resource Conservation and Recovery Act, the Comprehensive Environmental Response Compensation and Liability Act, the Hazardous Materials Transportation Act, the Toxic Substance Control Act, the Clean Air Act, the Clean Water Act or any other applicable law, where such violation would be reasonably likely to result, individually or together with any such other violations, in a Material Adverse Effect.

SECTION 4.02. All Borrowings. On the date of each Borrowing:

(a) Such Borrower shall have provided the notice as required by Section 2.03.

(b) The representations and warranties set forth in Article III hereof (except, in the case of a refinancing of any Loan that does not increase the aggregate principal amount of Loans of any Lender outstanding, the representations set forth in Sections 3.08 and 3.10) shall be true and correct in all material respects on and as of the date of such Borrowing with the same effect as though made on and as of such date, except to the extent such representations and warranties expressly relate to an earlier date.

(c) Each Borrower shall be in compliance in all material respects with all the terms and provisions set forth herein on its part to be observed or performed, and at the time of and immediately after such Borrowing no Event of Default or Default shall have occurred and be continuing.

(d) In the case of any Borrowing which would cause the aggregate principal amount of outstanding loans under this Agreement, the 2001 Five-Year Credit Agreement, the 2003 Five-Year Credit Agreement and any other Facilities (as defined in the resolutions duly adopted by the Board of Directors of Alcoa on November 9, 2001) to exceed \$10,000,000,000, such Borrowing shall have been duly authorized by Alcoa and the Administrative Agent shall have received a true and complete copy of resolutions duly adopted by the Board of Directors of Alcoa authorizing such Borrowing.

Each Borrowing by any Borrower shall be deemed to constitute a representation and warranty by such Borrower and, in the case of a Borrowing Subsidiary, Alcoa on the date of such Borrowing as to the matters specified in paragraphs (b), (c) and (d) of this Section 4.02.

SECTION 4.03. Designation of Borrowing Subsidiaries. On each Designation Date:

(a) The Administrative Agent shall have received (i) a copy of the charter, including all amendments thereto, of each applicable Borrowing Subsidiary, certified as of a recent date by the Secretary of State or the appropriate foreign governmental official of the state or country of its organization, and a certificate as to the good standing of such Borrowing Subsidiary as of a recent date from such Secretary of State or appropriate foreign governmental official, as applicable; (ii) a certificate of the Secretary or Assistant Secretary of such Borrowing Subsidiary dated the Designation Date and certifying (A) that attached thereto is a true and completed copy of the by-laws of such Borrowing Subsidiary as in effect on the Designation Date showing all amendments thereto since the date of the resolutions described in clause (B) below, (B) that attached thereto is a true and complete copy of resolutions duly adopted by the Board of Directors of such Borrowing Subsidiary authorizing the execution, delivery and performance of this Agreement and the borrowings hereunder, and that such resolutions have not been modified, rescinded or amended and are in full force and effect, (C) that the charter of such Borrowing Subsidiary has not been amended since the date of the last amendment thereto shown on the certificate of good standing furnished pursuant to clause (i) above, and (D) as to the incumbency and specimen signature of each officer executing or any other document delivered in connection herewith on behalf of such Borrowing Subsidiary; and (iii) a certificate of another officer as to the incumbency and specimen

signature of the Secretary or Assistant Secretary executing the certificate pursuant to (ii) above.

(b) The Administrative Agent shall have received a Designation of Borrowing Subsidiary of each applicable Borrowing Subsidiary as provided in Section 10.04(e).

ARTICLE V

AFFIRMATIVE COVENANTS

So long as this Agreement shall remain in effect or the principal of or interest on any Loan, any fees or any other expenses or amounts payable in connection herewith shall be unpaid, unless the Required Lenders shall otherwise consent in writing:

SECTION 5.01. Financial Statements, Reports, etc. Alcoa shall furnish to the Administrative Agent the following, with sufficient copies for the Administrative Agent to provide a copy to each Lender:

(a) within 120 days after the end of each fiscal year, (i) its consolidated balance sheet and related statements of income and cash flow audited by independent public accountants of recognized national standing, accompanied by an opinion of such accountants (which shall not be qualified as to scope of audit or in any manner calling into question the status of its business as a going concern) to the effect that such consolidated financial statements fairly present its financial condition and results of operations and that of its consolidated Subsidiaries, taken as a whole, in accordance with GAAP and (ii) the balance sheet and related statements of income of each of its Subsidiaries which has been designated pursuant to Section 10.04(e) as, and as long as such Subsidiary remains, a Borrowing Subsidiary, certified by a Financial Officer of such Subsidiary;

(b) within 60 days after the end of each of the first three fiscal quarters of each fiscal year, its Form 10-Q as prescribed by the Securities and Exchange Commission (or any successor agency);

(c) concurrently with any delivery of financial statements under (a) above and promptly at the request of the Administrative Agent (but not more often than once with respect to any fiscal quarter), a certificate of a Financial Officer (i) certifying that no Event of Default or Default has occurred and is continuing or, if such an Event of Default or Default has occurred and is continuing, specifying the nature and extent thereof and any corrective action taken or proposed to be taken with respect thereto and (ii) setting forth computations in reasonable detail satisfactory to the Administrative Agent demonstrating compliance with the covenant contained in Section 6.03;

(d) promptly after the same become publicly available, copies of all periodic and other reports, proxy statements and other materials filed by it (other than registration statements and prospectuses related to offerings to directors, officers or employees) with the Securities and Exchange Commission or any Governmental

Authority succeeding to any of or all the functions of such Commission, or with any national securities exchange, or distributed to its shareholders, as the case may be; and

(e) promptly, from time to time, such other information regarding its operations, business affairs and financial condition, or compliance with the terms of this Agreement, as the Administrative Agent or any Lender may reasonably request.

Alcoa shall be deemed to have fulfilled its obligations under paragraph (a), (b) or (d) above when the Administrative Agent receives a paper or an electronic version of the documents required to be delivered pursuant to paragraph (a), (b) or (d) above, in a format acceptable to the Administrative Agent; provided that (i) such paper or electronic version must be accompanied by a certificate delivered pursuant to paragraph (c) above and (ii) the Borrower shall deliver paper copies of the information referred to in paragraph (d) above to any Lender which requests such delivery.

SECTION 5.02. *Pari Passu Ranking.* Each Borrower shall ensure that any amounts payable by it hereunder will at all times rank at least *pari passu* with all other unsecured, unsubordinated Indebtedness of such Borrower except to the extent any such Indebtedness may be preferred by law.

SECTION 5.03. *Maintenance of Properties.* Each Borrower shall, and shall cause its Subsidiaries to, maintain and keep its properties in such repair, working order and condition, and make or cause to be made all such needful and proper repairs, renewals and replacements thereto, as in the judgment of such Borrower are necessary and in the interests of such Borrower; provided, however, that nothing in this Section 5.03 shall prevent such Borrower (or any Subsidiary thereof) from selling, abandoning or otherwise disposing of any of its respective properties or discontinuing a part of its respective businesses from time to time if, in the judgment of such Borrower, such sale, abandonment, disposition or discontinuance is advisable.

SECTION 5.04. *Obligations and Taxes.* Each Borrower shall pay its Indebtedness and other obligations that, if not paid, would result in a Material Adverse Effect before the same shall become delinquent or in default, and pay and discharge all taxes upon or against it, or against its properties, in each case prior to the date on which penalties attach thereto, unless and to the extent that any such obligation or tax is being contested in good faith and adequate reserves with respect thereto are maintained in accordance with GAAP.

SECTION 5.05. *Insurance.* Each Borrower shall, and shall cause its consolidated Subsidiaries to, insure and keep insured, in each case with reputable insurance companies, so much of its respective properties to such an extent and against such risks, or in lieu thereof, in the case of any Borrower, maintain or cause to be maintained a system or systems of self-insurance, as is customary in the case of corporations engaged in the same or similar business or having similar properties similarly situated.

SECTION 5.06. Existence; Businesses and Properties. (a) Each Borrower shall do or cause to be done all things necessary to preserve, renew and keep in full force and effect its legal existence in its jurisdiction of incorporation, except as otherwise expressly permitted under Section 6.02.

(b) Each Borrower shall do or cause to be done all things necessary to obtain, preserve, renew, extend and keep in full force and effect the rights, licenses, permits, franchises, authorizations, patents, copyrights, trademarks and trade names material to the conduct of its business as its Board of Directors shall determine in its judgment.

SECTION 5.07. Compliance with Laws. (a) Each Borrower shall comply in all material respects with all applicable laws, rules, regulations and orders of any Governmental Authority to which it is subject, whether now in effect or hereafter enacted, such that no failure so to comply will result in the levy of any penalty or fine which shall have a Material Adverse Effect.

(b) Each Borrower shall comply in all material respects with the applicable provisions of ERISA and all other related applicable laws and furnish to the Administrative Agent and each Lender (i) as soon as possible, and in any event within 30 days after any Responsible Officer of such Borrower or any ERISA Affiliate either knows or has reason to know that any ERISA Event has occurred that alone or together with any other ERISA Event would reasonably be expected to result in liability of such Borrower to the PBGC in an aggregate amount exceeding \$25,000,000, a statement of a Financial Officer setting forth details as to such ERISA Event and the action proposed to be taken with respect thereto, together with a copy of the notice, if any, of such ERISA Event given to the PBGC or other Governmental Authority, (ii) promptly after receipt thereof, a copy of any notice such Borrower or any ERISA Affiliate may receive from the PBGC or other Governmental Authority relating to the intention of the PBGC or other Governmental Authority to terminate any Plan or Plans (other than a Plan maintained by an ERISA Affiliate which is considered an ERISA Affiliate only pursuant to subsection (m) or (o) of Section 414 of the Code), or any Foreign Plan or Foreign Plans, or to appoint a trustee to administer any Plan or Plans, or any Foreign Plan or Foreign Plans, (iii) within 10 days after the due date for filing with the PBGC pursuant to Section 412(n) of the Code of a notice of failure to make a required installment or other payment with respect to a Plan, a statement of a Financial Officer setting forth details as to such failure and the action proposed to be taken with respect thereto, together with a copy of such notice given to the PBGC and (iv) promptly and in any event within 30 days after receipt thereof by such Borrower or any ERISA Affiliate from the sponsor of a Multiemployer Plan, a copy of each notice received by such Borrower or ERISA Affiliate concerning (A) the imposition of Withdrawal Liability in excess of \$25,000,000 or (B) a determination that a Multiemployer Plan is, or is expected to be, terminated or in reorganization, in each case within the meaning of Title IV of ERISA, if such termination or reorganization would reasonably be expected to result, alone or with any other such termination or reorganization, in increases in excess of \$25,000,000 in the contributions required to be made to the relevant Plan or Plans.

SECTION 5.08. Litigation and Other Notices. Each Borrower shall furnish to the Administrative Agent prompt written notice upon its becoming aware of any of the following:

(a) any Event of Default or Default, specifying the nature and extent thereof and the corrective action (if any) proposed to be taken with respect thereto;

(b) the filing or commencement of, or any threat or notice of intention of any person to file or commence, any action, suit or proceeding, whether at law or in equity or by or before any Governmental Authority, against it or any of its Subsidiaries which would reasonably be expected to result in a Material Adverse Effect; and

(c) any other development that has resulted in, or would reasonably be expected to result in, a Material Adverse Effect.

SECTION 5.09. Borrowing Subsidiaries. Alcoa shall cause each Borrowing Subsidiary at all times to be a wholly-owned Subsidiary.

ARTICLE VI

NEGATIVE COVENANTS

Each Borrower covenants and agrees with each Lender that, so long as this Agreement shall remain in effect or the principal of or interest on any Loan, any fees or any other expenses or amounts payable in connection herewith shall be unpaid, unless the Required Lenders shall otherwise consent in writing, such Borrower will not:

SECTION 6.01. Liens. (a) Create or incur, or permit any Restricted Subsidiary to create or incur, any Lien on its property or assets (including stock or other securities of any person, including any of its Subsidiaries) now or hereafter acquired by it or on any income or revenues or rights in respect thereof, securing Indebtedness for borrowed money, without ratably securing the Loans; provided, however, that the foregoing shall not apply to the following:

(i) Liens on property or assets of any corporation existing at the time such corporation becomes a Restricted Subsidiary;

(ii) Liens existing on any property or asset at or prior to the acquisition thereof by such Borrower or a Restricted Subsidiary, Liens on any property or asset securing the payment of all or any part of the purchase price of such property or asset, Liens on any property or asset securing any Indebtedness incurred prior to, at the time of or within 180 days after the acquisition of such property or asset for the purpose of financing all or any part of the purchase price thereof or Liens on any property or asset securing any Indebtedness incurred for the purpose of financing all or any part of the cost to such Borrower or Restricted Subsidiary of improvements thereto;

(iii) Liens securing Indebtedness of a Restricted Subsidiary owing to Alcoa or to another Restricted Subsidiary;

(iv) Liens existing on December 31, 2002, and set forth on Schedule 6.01(a);

(v) Liens on property of a person existing (or, in the case of Alumax Inc., that shall have existed) at the time such person is merged into or consolidated with Alcoa or a Restricted Subsidiary or at the time such person becomes a subsidiary of Alcoa through the direct or indirect acquisition of capital stock of such person by Alcoa or at the time of a sale, lease or other disposition of the properties of a person as an entirety or substantially as an entirety to Alcoa or a Restricted Subsidiary;

(vi) Liens on any property owned by Alcoa or any Restricted Subsidiary, in favor of the United States of America or any state thereof, or any department, agency or instrumentality or political subdivision of the United States of America or any State thereof, or in favor of any other country, or any political subdivision thereof, to secure partial, progress, advance or other payments pursuant to any contract or statute or to secure any Indebtedness incurred for the purpose of financing all or any part of the purchase price or the cost of construction of the property subject to such Liens; and

(vii) any extension, renewal or replacement (or successive extensions, renewals or replacements) in whole or in part of the Liens referred to in clauses (i) through (vi) of this Section 6.01(a); provided, however, that each such extension, renewal or replacement is limited to all or a part of the property which secured the Lien so extended, renewed or replaced (and any improvements thereon).

(b) Notwithstanding paragraph (a) of this Section 6.01 and in addition to the Liens permitted thereunder, each Borrower and any Restricted Subsidiary may create or incur Liens which would otherwise be subject to the foregoing restrictions to secure Indebtedness for borrowed money in an aggregate amount which does not at the time exceed 10% of the Consolidated Net Tangible Assets of Alcoa and its consolidated Subsidiaries at such time.

SECTION 6.02. Consolidation, Merger, Sale of Assets, etc. Consolidate or merge with or into any other person or sell, lease or transfer all or substantially all of its property and assets, or agree to do any of the foregoing, unless (a) no Default or Event of Default has occurred and is continuing or would result immediately after giving effect thereto, (b) if such Borrower is not the surviving corporation or if such Borrower sells, leases or transfers all or substantially all of its property and assets, the surviving corporation or person purchasing or being leased the assets agrees to be bound by the terms and provisions applicable to such Borrower hereunder, and (c)(i) in the case of Alcoa, immediately after such transaction, individuals who were directors of Alcoa during the twelve month period prior to such merger, sale or lease (together with any

replacement or additional directors whose election was recommended by or who were elected by a majority of directors then in office) constitute the Board of Directors of the surviving corporation or the person purchasing or being leased the assets and (ii) in the case of a Borrowing Subsidiary, (A) the surviving corporation or the person purchasing or being leased the assets is a wholly-owned Subsidiary of Alcoa and (B) if the surviving corporation or such person is not Alcoa, Alcoa agrees to guarantee pursuant to Article VIII the obligations of such person under this Agreement.

SECTION 6.03. Financial Undertaking. In the case of Alcoa, permit the aggregate principal amount of (a) the Indebtedness of Alcoa and its consolidated Subsidiaries, after eliminating intercompany items, plus (b) all other liabilities of Alcoa and its consolidated Subsidiaries, after eliminating intercompany items, in respect of any guarantee or endorsement (except the endorsement of negotiable instruments for deposit or collection or similar transactions in the normal course of business) of the Indebtedness of any person to exceed 150% of Consolidated Net Worth of Alcoa and its consolidated Subsidiaries.

SECTION 6.04. Change in Business. In the case of Alcoa, make or permit any substantial change in the general nature of the business carried on by Alcoa and its consolidated Subsidiaries as at the date hereof, including any such alteration arising from an acquisition, which would reasonably be expected to result in a Material Adverse Effect.

ARTICLE VII

EVENTS OF DEFAULT

In case of the happening of any of the following events ("Events of Default"):

(a) any Borrower shall default in the payment when due of any principal of any Loan and, if such default shall result from the failure of any third party payments system used by such Borrower, such default shall continue for a period of two Business Days;

(b) any Borrower shall fail to pay when due any interest, fee or other amount payable under this Agreement or Alcoa shall fail to pay any amount due under Article VIII upon demand therefor, and, in each case, such failure shall continue for a period of five Business Days;

(c) any representation or warranty made in Section 3.09 shall prove to have been false or misleading in any material respect as of the time when made (including by omission of material information necessary to make such representation or warranty not misleading); or any other representation or warranty made by a Borrower under this Agreement or any statement made by a Borrower in any financial statement, certificate, report, exhibit or document furnished by or on behalf of such Borrower in connection with this Agreement shall prove to have been false or misleading in any

material respect as of the time when made and, if such representation or warranty is able to be corrected, such representation or warranty is not corrected within 20 days after such Borrower's knowledge that it was false or misleading;

(d) any Borrower shall default in the performance or observance of any covenant contained in Section 5.02, Section 5.06(a), Section 5.08(a) or Article VI;

(e) any Borrower shall default in the performance or observance of any covenant or agreement under this Agreement (other than those specified in paragraphs (a), (b) and (d) above) and such default shall continue for a period of 10 Business Days, in the case of a default with respect to Section 5.08(b) or (c), or in any other case a period of 30 days after notice from the Administrative Agent;

(f) any Borrower shall (i) default in the payment of any principal or interest beyond any period of grace provided with respect thereto, due in respect of any Indebtedness in a principal amount in excess of \$20,000,000; or (ii) fail to observe or perform any other term, covenant, condition or agreement contained in any agreement or instrument evidencing or governing any such Indebtedness if the effect of any such failure referred to in this paragraph (f) is to cause such Indebtedness to become due prior to its stated maturity;

(g) a proceeding shall have been instituted or a petition filed in respect of a Borrower

(i) seeking to have an order for relief entered in respect of such Borrower, or seeking a declaration or entailing a finding that such Borrower is insolvent or a similar declaration or finding, or seeking dissolution, winding-up, revocation or forfeiture of charter or Memorandum and Articles of Association, liquidation, reorganization, arrangement, adjustment, composition or other relief with respect to such Borrower, its assets or its debts under any law relating to bankruptcy, insolvency, relief of debtors or protection of creditors, termination of legal entities or any other similar law now or hereafter in effect, or

(ii) seeking appointment of a receiver, trustee, custodian, liquidator, assignee, sequestrator, administrator or other similar official for such Borrower or for all or any substantial part of its property,

and such proceeding or petition shall remain undismissed for a period of 90 consecutive days or an order or decree approving any of the foregoing shall be entered;

(h) any Borrower shall become insolvent, shall become generally unable to pay its debts as they become due, shall voluntarily suspend transaction of its business generally or as a whole, shall make a general assignment for the benefit of creditors, shall institute a proceeding described in clause (g)(i) above or shall consent to any order or decree described therein, shall institute a proceeding described in clause (g)(ii) above or shall consent to any such appointment or to the taking of possession by any such official of all or any substantial part of its property whether or not any such proceeding is

instituted, shall dissolve, wind-up or liquidate itself or any substantial part of its property or shall take any action in furtherance of any of the foregoing;

(i) any of the following shall have occurred: (i) any person or group of persons shall have acquired beneficial ownership of a majority in interest of the outstanding Voting Stock of Alcoa (within the meaning of Section 13(d) or 14(d) of the Securities Exchange Act of 1934 and the applicable rules and regulations thereunder), (ii) during any period of 25 consecutive months, commencing before or after the date of this Agreement, individuals who at the beginning of such 25 month period were directors of Alcoa (together with any replacement or additional directors whose election was recommended by or who were elected by a majority of directors then in office) cease to constitute a majority of the Board of Directors of Alcoa or (iii) any person or group of related persons shall acquire all or substantially all of the assets of Alcoa; provided, however, that a change in control of Alcoa shall not be deemed to have occurred pursuant to clause (iii) of this paragraph (i) if Alcoa shall have merged or consolidated with or transferred all or substantially all of its assets to another person in compliance with the provisions of Section 6.02 and the ratio represented by the total assets of the surviving person, successor or transferee divided by such person's stockholders' equity, in each case as determined and as would be shown in a consolidated balance sheet of such person prepared in accordance with GAAP (the "Leverage Ratio" of such person) is no greater than the then Leverage Ratio of Alcoa immediately prior to such event;

(j) an ERISA Event or ERISA Events shall have occurred with respect to any Plan or Plans, or any Foreign Plan or Foreign Plans, that reasonably could be expected to result in liability of any Borrower to the PBGC or other Governmental Authority or to a Plan or Foreign Plan in an aggregate amount exceeding \$25,000,000 and, within 30 days after the reporting of any such ERISA Event to the Administrative Agent or after the receipt by the Administrative Agent of the statement required pursuant to Section 5.07(b), the Administrative Agent shall have notified the Borrower in writing that (i) the Required Lenders have made a determination that, on the basis of such ERISA Event or ERISA Events or the failure to make a required payment, there are reasonable grounds (A) for the termination of such Plan or Plans, or such Foreign Plan or Foreign Plans, by the PBGC or other Governmental Authority, (B) for the appointment either by the appropriate United States District Court of a trustee to administer such Plan or Plans or by an applicable court of law outside the United States of a trustee to administer such Foreign Plan or Foreign Plans or (C) for the imposition of a lien in favor of a Plan or Foreign Plan and (ii) as a result thereof an Event of Default exists hereunder; or a trustee shall be appointed by a United States District Court to administer any such Plan or Plans or by an applicable court of law outside the United States of a trustee to administer such Foreign Plan or Foreign Plans; or the PBGC or other Governmental Authority shall institute proceedings to terminate any Plan or Plans or any Foreign Plan or Foreign Plans;

(k) (i) any Borrower or any ERISA Affiliate shall have been notified by the sponsor of a Multiemployer Plan that it has incurred Withdrawal Liability to such Multiemployer Plan, (ii) such Borrower or such ERISA Affiliate does not have reasonable grounds for contesting such Withdrawal Liability or is not in fact contesting such Withdrawal Liability in a timely and appropriate manner and does not have

adequate reserves set aside against such Withdrawal Liability and (iii) the amount of the Withdrawal Liability specified in such notice, when aggregated with all other amounts required to be paid to Multiemployer Plans in connection with Withdrawal Liabilities (determined as of the date or dates of such notification), exceeds \$25,000,000 or requires payments exceeding \$25,000,000 in any calendar year;

(l) any Borrower or any ERISA Affiliate shall have been notified by the sponsor of a Multiemployer Plan that such Multiemployer Plan is in reorganization or is being terminated, within the meaning of Title IV of ERISA, if solely as a result of such reorganization or termination the aggregate annual contributions of such Borrower and its ERISA Affiliates to all Multiemployer Plans that are then in reorganization or have been or are being terminated have been or will be increased over the amounts required to be contributed to such Multiemployer Plans for their most recently completed plan years by an amount exceeding \$25,000,000;

(m) one or more judgments for the payment of money in an aggregate amount in excess of \$50,000,000 shall be rendered against any Borrower or any Subsidiary of any Borrower or any combination thereof and the same shall remain undischarged for a period of 45 consecutive days during which execution shall not be effectively stayed (unless an appeal or writ of certiorari is being diligently prosecuted), or any action shall be legally taken by a judgment creditor or creditors holding judgments which in the aggregate exceed \$50,000,000 to levy upon assets or properties of any Borrower or any Subsidiary of a Borrower to enforce any such judgment; or

(n) Any "Event of Default" as defined in the 2001 Five-Year Credit Agreement or the 2003 Five-Year Credit Agreement shall occur and be continuing;

then, and in every such event (other than an event described in paragraph (g) or (h) above), and at any time thereafter during the continuance of such event, the Administrative Agent, at the request of the Required Lenders, shall, by written notice to Alcoa, take either or both of the following actions, at the same or different times: (i) terminate the Commitments, and (ii) declare the Loans then outstanding to be forthwith due and payable in whole or in part, whereupon the principal of the Loans so declared to be due and payable, together with accrued interest thereon and any unpaid accrued fees and all other liabilities accrued hereunder, shall become forthwith due and payable, without presentment, demand, protest or any other notice of any kind, all of which are hereby expressly waived by each Borrower, anything contained herein to the contrary notwithstanding; and in any event described in paragraph (g) or (h) above, the Commitments of the Lenders shall automatically terminate and the principal of the Loans then outstanding, together with accrued interest thereon and any unpaid accrued fees and all other liabilities accrued hereunder, shall automatically become due and payable, without presentment, demand, protest or any other notice of any kind, all of which are hereby expressly waived by each Borrower, anything contained herein to the contrary notwithstanding.

ARTICLE VIII

GUARANTEE

Alcoa unconditionally and irrevocably guarantees, as a principal obligor and not merely as a surety, the due and punctual payment and performance of all Borrowing Subsidiary Obligations. Alcoa further agrees that the Borrowing Subsidiary Obligations may be extended or renewed, in whole or in part, without notice or further assent from it, and that it will remain bound upon the provisions of this Article VIII notwithstanding any extension or renewal of any Borrowing Subsidiary Obligation.

Alcoa waives presentation to, demand of payment from and protest to any Borrowing Subsidiary of any of the Borrowing Subsidiary Obligations, and also waives notice of acceptance of the guarantee set forth in this Article VIII and notice of protest for nonpayment. The obligations of Alcoa hereunder shall not be affected by (a) the failure of the Administrative Agent or any Lender to assert any claim or demand or to enforce any right or remedy against any Borrowing Subsidiary under the provisions of this Agreement or any guarantee; (b) any extension or renewal of any provision of this Agreement or any guarantee; or (c) any rescission, waiver, amendment or modification of any of the terms or provisions of this Agreement or any guarantee or any other agreement.

Alcoa further agrees that the guarantee set forth in this Article VIII constitutes a guarantee of payment when due and not of collection and waives any right to require that any resort be had by the Administrative Agent or any Lender to the balance of any deposit account or credit on the books of the Administrative Agent or the relevant Lender, as applicable, in favor of any Borrowing Subsidiary or any other person.

The obligations of Alcoa hereunder shall not be subject to any reduction, limitation, impairment or termination for any reason, including any claim or waiver, release, surrender, alteration or compromise, and shall not be subject to any defense of setoff, counterclaim, recoupment or termination whatsoever by reason of the invalidity, illegality or unenforceability of the Borrowing Subsidiary Obligations or otherwise. Without limiting the generality of the foregoing, the obligations of Alcoa hereunder shall not be discharged or impaired or otherwise affected by the failure of the Administrative Agent or any Lender to assert any claim or demand or to enforce any remedy under this Agreement, by any waiver or modification of any thereof, by any default, failure or delay, wilful or otherwise, in the performance of the Borrowing Subsidiary Obligations or by any other act or omission which may or might in any manner or to any extent vary the risk of Alcoa or would otherwise operate as a discharge of Alcoa as a matter of law or equity.

Alcoa further agrees that this guarantee shall continue to be effective or be reinstated, as the case may be, if at any time payment by any Borrowing Subsidiary to the Administrative Agent or any Lender, or any part thereof, of principal of or interest on such Borrowing Subsidiary Obligation is rescinded or must otherwise be restored by the Administrative Agent or any Lender or any holder of any Borrowing Subsidiary

Obligation upon the bankruptcy or reorganization of such Borrowing Subsidiary or otherwise.

In furtherance of the foregoing and not in limitation of any other right which the Administrative Agent or any Lender may have at law or in equity against Alcoa by virtue hereof, upon the failure of any Borrowing Subsidiary to pay any Borrowing Subsidiary Obligation when and as the same shall become due, whether at maturity, by acceleration, after notice of prepayment or otherwise, Alcoa hereby promises to and will, upon receipt of written demand by the Administrative Agent, promptly pay, or cause to be paid, to such Agent in cash the amount of such unpaid Borrowing Subsidiary Obligation, and thereupon such Agent shall assign, in any reasonable manner, the amount of the Borrowing Subsidiary Obligation paid by Alcoa pursuant to this guarantee to Alcoa, such assignment to be pro tanto to the extent to which the Borrowing Subsidiary Obligation in question was discharged by Alcoa, or make such other disposition thereof as Alcoa shall direct (all without recourse to the Administrative Agent or any Lender and without any representation or warranty by the Administrative Agent or Lender).

Upon payment by Alcoa of any sums to the Administrative Agent as provided above, all rights of Alcoa against the Borrowing Subsidiaries arising as a result thereof by way of right of subrogation or otherwise shall in all respects be subordinate and junior in right of payment to the prior indefeasible payment in full of all the Borrowing Subsidiary Obligations.

ARTICLE IX

THE ADMINISTRATIVE AGENT

In order to expedite the transactions contemplated by this Agreement, JPMorgan Chase Bank is hereby appointed to act as the Administrative Agent on behalf of the Lenders. Each of the Lenders and each assignee of any such Lender hereby irrevocably authorizes the Administrative Agent to take such actions on behalf of such Lender or assignee and to exercise such powers as are specifically delegated to such Agent by the terms and provisions hereof, together with such actions and powers as are reasonably incidental thereto. The Administrative Agent is hereby expressly authorized by the Lenders, without hereby limiting any implied authority, (a) to receive on behalf of the Lenders all payments of principal of and interest on the Loans and all other amounts due to the Lenders hereunder, and promptly to distribute to each Lender its proper share of each payment so received; (b) to give notice on behalf of each of the Lenders to the relevant Borrower of any Event of Default specified in this Agreement of which the Administrative Agent has actual knowledge acquired in connection with its agency hereunder; and (c) to distribute to each Lender copies of all notices, financial statements and other materials delivered by any Borrower pursuant to this Agreement as received by such Agent.

None of the Administrative Agent or any of its directors, officers, employees or agents shall be liable as such for any action taken or omitted by any of

them except for its or his own gross negligence or wilful misconduct, or be responsible for any statement, warranty or representation herein or the contents of any document delivered in connection herewith, or be required to ascertain or to make any inquiry concerning the performance or observance by any Borrower of any of the terms, conditions, covenants or agreements contained herein. The Administrative Agent shall not be responsible to the Lenders or any assignee thereof for the due execution, genuineness, validity, enforceability or effectiveness of this Agreement or other instruments or agreements. The Administrative Agent shall in all cases be fully protected in acting, or refraining from acting, in accordance with written instructions signed by the Required Lenders and, except as otherwise specifically provided herein, such instructions and any action or inaction pursuant hereto shall be binding on all the Lenders and each assignee of any such Lender. The Administrative Agent shall, in the absence of knowledge to the contrary, be entitled to rely on any instrument or document believed by it in good faith to be genuine and correct and to have been signed or sent by the proper person or persons. None of the Administrative Agent or any of its directors, officers, employees or agents shall have any responsibility to any Borrower on account of the failure of or delay in performance or breach by any other Lender or any Borrower of any of their respective obligations hereunder or in connection herewith. The Administrative Agent may execute any and all duties hereunder by or through agents or employees and shall be entitled to rely upon the advice of legal counsel selected by it with respect to all matters arising hereunder and shall not be liable for any action taken or suffered in good faith by it in accordance with the advice of such counsel.

The Lenders hereby acknowledge that the Administrative Agent shall not be under any duty to take any discretionary action permitted to be taken by it pursuant to the provisions of this Agreement unless it shall be requested in writing to do so by the Required Lenders.

Subject to the appointment and acceptance of a successor Administrative Agent as provided below, the Administrative Agent may resign at any time by notifying the Lenders and the Borrowers. Upon any such resignation, the Required Lenders shall have the right to appoint a successor; provided, however, that Alcoa has approved such successor (such consent not to be unreasonably withheld or delayed and not to be required if an Event of Default exists). If no successor shall have been so appointed by the Required Lenders and shall have accepted such appointment within 30 days after the retiring Administrative Agent gives notice of its resignation, then the retiring Agent may, on behalf of the Lenders, appoint a successor Administrative Agent, subject to the prior approval of Alcoa (such consent not to be unreasonably withheld or delayed and not to be required if an Event of Default exists), which shall be a bank with an office in New York, New York, having total assets in excess of \$10,000,000,000 or an Affiliate of any such bank. Upon the acceptance of any appointment as the Administrative Agent hereunder by a successor bank, such successor shall succeed to and become vested with all the rights, powers, privileges and duties of the retiring Agent and the retiring Agent shall be discharged from its duties and obligations hereunder. After the Agent's resignation hereunder the provisions of this Article and Section 10.05 shall continue in effect for its benefit in respect of any actions taken or omitted to be taken by it while it was acting as Administrative Agent.

With respect to the Loans made by it hereunder, the Administrative Agent in its individual capacity and not as Agent shall have the same rights and powers as any other Lender and may exercise the same as though it were not an Administrative Agent, and such Agent and its Affiliates may accept deposits from, lend money to and generally engage in any kind of business with any Borrower or any Subsidiary or other Affiliate of Alcoa as if it were not an Agent.

Each Lender agrees (i) to reimburse the Administrative Agent, on demand, in the amount of its pro rata share (based on its Commitment hereunder) of any expenses incurred for the benefit of the Lenders by such Agent, including counsel fees and compensation of agents and employees paid for services rendered on behalf of the Lenders, which shall not have been reimbursed by the Borrowers and (ii) to indemnify and hold harmless the Administrative Agent and any of its directors, officers, employees, agents or Affiliates, on demand, in the amount of such pro rata share, from and against any and all liabilities, taxes, obligations, losses, damages, penalties, actions, judgments, suits, costs, expenses or disbursements of any kind or nature whatsoever which may be imposed on, incurred by or asserted against it in its capacity as an Administrative Agent or any of them in any way relating to or arising out of this Agreement or any action taken or omitted by it or any of them under this Agreement, to the extent the same shall not have been reimbursed by the Borrowers; provided that no Lender shall be liable to the Administrative Agent for any portion of such liabilities, obligations, losses, damages, penalties, actions, judgments, suits, costs, expenses or disbursements resulting from the gross negligence or wilful misconduct of such Agent or any of its directors, officers, employees, agents or Affiliates.

Each Lender acknowledges that it has, independently and without reliance upon the Administrative Agent or other Lender and based on such documents and information as it has deemed appropriate, made its own credit analysis and decision to enter into this Agreement. Each Lender also acknowledges that it will, independently and without reliance upon the Administrative Agent or other Lender and based on such documents and information as it shall from time to time deem appropriate, continue to make its own decisions in taking or not taking action under or based upon this Agreement, any related agreement or any document furnished hereunder or thereunder.

Each Lender hereby acknowledges that the syndication and documentation agents have no liability hereunder as syndication and documentation agents other than in their capacity as Lenders.

ARTICLE X

MISCELLANEOUS

SECTION 10.01. Notices. Notices and other communications provided for herein shall be in writing and shall be delivered by hand or overnight courier service, mailed by certified or registered mail or sent by telecopy as follows:

(a) if to Alcoa or a Borrowing Subsidiary, to Alcoa Inc. at 390 Park Avenue, New York, New York 10022-4608, Attention of Vice President & Treasurer (Telecopy No. 212-836-2823);

(b) if to the Administrative Agent, to JPMorgan Chase Bank at 1111 Fannin Street, Houston, Texas 77002, Attention of Bang Tran (Telecopy No. 713-750-2223), with a copy to JPMorgan Chase Bank at 270 Park Avenue, New York, New York 10017, Attention of James Ramage (Telecopy No. 212-270-5100);

(c) if to a Lender, to it at its address (or telecopy number) set forth in Schedule 2.01 or in the Assignment and Assumption pursuant to which such Lender shall have become a party hereto.

All notices and other communications given to any party hereto in accordance with the provisions of this Agreement shall be deemed to have been given on the date of receipt if delivered by hand or overnight courier service or sent by telecopy or on the date five Business Days after dispatch by certified or registered mail if mailed, in each case delivered, sent or mailed (properly addressed) to such party as provided in this Section 10.01 or in accordance with the latest unrevoked direction from such party to the Administrative Agent and each Borrower given in accordance with this Section 10.01.

Notices and other communications to the Lenders hereunder may be delivered or furnished by electronic communications pursuant to procedures approved by the Administrative Agent; provided that the foregoing shall not apply to notices pursuant to Article II unless otherwise agreed by the Administrative Agent and the applicable Lender. The Administrative Agent or Alcoa may, in its discretion, agree to accept notices and other communications to it hereunder by electronic communications pursuant to procedures approved by it; provided that approval of such procedures may be limited to particular notices or communications.

Any notice hereunder shall be effective upon receipt. Any notice or other communication received on a day which is not a Business Day or after business hours in the place of receipt shall be deemed to be served on the next following Business Day in such place. Any notice given to Alcoa shall be deemed to have been duly given to each other Borrower at the same time and in the same manner.

SECTION 10.02. Survival of Agreement. All covenants, agreements, representations and warranties made by any Borrower herein and in the certificates or other instruments prepared or delivered in connection with or pursuant to this Agreement shall be considered to have been relied upon by the Lenders and shall survive the making by the Lenders of the Loans, regardless of any investigation made by the Lenders or on their behalf, and shall continue in full force and effect as long as the principal of or any accrued interest on any Loan or any fee or any other amount payable under this Agreement is outstanding and unpaid and so long as the Commitments have not been terminated.

SECTION 10.03. Binding Effect. This Agreement shall become effective when it shall have been executed by Alcoa and the Administrative Agent and when the Administrative Agent shall have received copies hereof which, when taken together, bear the signatures of each Lender, and thereafter shall be binding upon and inure to the benefit of the Borrowers, the Administrative Agent and each Lender and their respective successors and assigns, except that none of the Borrowers shall have the right to assign its rights hereunder or any interest herein without the prior consent of all the Lenders.

SECTION 10.04. Successors and Assigns; Additional Borrowing Subsidiaries. (a) The provisions of this Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns permitted hereby, except that (i) the Borrowers may not assign or otherwise transfer any of their rights or obligations hereunder (except as provided in Section 10.04(e)) without the prior written consent of each Lender (and any attempted assignment or transfer by the Borrowers without such consent shall be null and void) and (ii) no Lender may assign or otherwise transfer its rights or obligations hereunder except in accordance with this Section. Nothing in this Agreement, expressed or implied, shall be construed to confer upon any person (other than the parties hereto, their respective successors and assigns permitted hereby, Participants (to the extent provided in paragraph (c) of this Section) and, to the extent expressly contemplated hereby, the Related Parties of each of the Administrative Agent and the Lenders) any legal or equitable right, remedy or claim under or by reason of this Agreement.

(b) (i) Subject to the conditions set forth in paragraph (b)(ii) below, any Lender may assign to one or more assignees all or a portion of its rights and obligations under this Agreement (including all or a portion of its Commitment and the Loans at the time owing to it); with the prior written consent (such consent not to be unreasonably withheld) of:

(A) Alcoa, provided that no consent of Alcoa shall be required for an assignment to a Lender, an Affiliate of a Lender, an Approved Fund (as defined below) or, if an Event of Default under clause (a), (b), (g) or (h) of Article VII has occurred and is continuing, any other assignee; and

(B) the Administrative Agent, provided that no consent of the Administrative Agent shall be required for an assignment to an assignee that is a Lender immediately prior to giving effect to such assignment.

(ii) Assignments shall be subject to the following conditions:

(A) except in the case of an assignment to a Lender or an Affiliate of a Lender or an assignment of the entire remaining amount of the assigning Lender's Commitment, the amount of the Commitment of the assigning Lender subject to each such assignment (determined as of the date the Assignment and Assumption with respect to such assignment is delivered to the Administrative Agent) shall not be less than \$5,000,000 unless each of Alcoa and the Administrative Agent otherwise consent, provided that no such consent of Alcoa shall be required if an

Event of Default under clause (a), (b), (g) or (h) of Article VII has occurred and is continuing);

(B) each partial assignment shall be made as an assignment of a proportionate part of all the assigning Lender's rights and obligations under this Agreement;

(C) the parties to each assignment shall execute and deliver to the Administrative Agent an Assignment and Assumption, together with a processing and recordation fee of \$3,500;

(D) the assignee, if it shall not be a Lender, shall deliver to the Administrative Agent an Administrative Questionnaire; and

(E) in the case of an assignment to a CLO (as defined below), the assigning Lender shall retain the sole right to approve any amendment, modification or waiver of any provision of this Agreement, provided that the Assignment and Assumption between such Lender and such CLO may provide that such Lender will not, without the consent of such CLO, agree to any amendment, modification or waiver described in the proviso to Section 10.08(b) that affects such CLO.

For purposes of this Section 10.04(b), the terms "Approved Fund" and "CLO" have the following meanings:

"Approved Fund" means (a) a CLO and (b) with respect to any Lender that is a fund which invests in bank loans and similar extensions of credit, any other fund that invests in bank loans and similar extensions of credit and is managed by the same investment advisor as such Lender or by an Affiliate of such investment advisor.

"CLO" means any entity (whether a corporation, partnership, trust or otherwise) that is engaged in making, purchasing, holding or otherwise investing in bank loans and similar extensions of credit in the ordinary course of its business and is administered or managed by a Lender or an Affiliate of such Lender.

(iii) Subject to acceptance and recording thereof pursuant to paragraph (b)(iv) of this Section, from and after the effective date specified in each Assignment and Assumption the assignee thereunder shall be a party hereto and, to the extent of the interest assigned by such Assignment and Assumption, have the rights and obligations of a Lender under this Agreement, and the assigning Lender thereunder shall, to the extent of the interest assigned by such Assignment and Assumption, be released from its obligations under this Agreement (and, in the case of an Assignment and Assumption covering all of the assigning Lender's rights and obligations under this Agreement, such Lender shall cease to be a party hereto but shall continue to be entitled to the benefits of Sections 2.12, 2.14, 2.18 and 10.05). Any assignment or transfer by a Lender of rights or obligations under this Agreement that does not comply with this Section 10.04 shall be treated for purposes of this Agreement as a sale by such Lender of

a participation in such rights and obligations in accordance with paragraph (c) of this Section.

(iv) The Administrative Agent, acting for this purpose as an agent of the Borrowers, shall maintain at one of its offices a copy of each Assignment and Assumption delivered to it and a register for the recordation of the names and addresses of the Lenders, and the Commitment of, and principal amount of the Loans owing to, each Lender pursuant to the terms hereof from time to time (the "Register"). The entries in the Register shall be conclusive in the absence of manifest error, and the Borrowers, the Administrative Agent and the Lenders may treat each person whose name is recorded in the Register pursuant to the terms hereof as a Lender hereunder for all purposes of this Agreement, notwithstanding notice to the contrary. The Register shall be available for inspection by the Borrowers and any Lender, at any reasonable time and from time to time upon reasonable prior notice.

(v) Upon its receipt of a duly completed Assignment and Assumption executed by an assigning Lender and an assignee, the assignee's completed Administrative Questionnaire (unless the assignee shall already be a Lender hereunder), the processing and recordation fee referred to in paragraph (b) of this Section and any written consent to such assignment required by paragraph (b) of this Section, the Administrative Agent shall (i) accept such Assignment and Assumption, (ii) record the information contained therein in the Register and (iii) give prompt notice thereof to Alcoa. No assignment shall be effective for purposes of this Agreement unless it has been recorded in the Register as provided in this paragraph.

(c) (i) Any Lender may, without the consent of any Borrower and the Administrative Agent, sell participations to one or more banks or other entities (a "Participant") in all or a portion of such Lender's rights and obligations under this Agreement (including all or a portion of its Commitment and the Loans owing to it); provided that (A) such Lender's obligations under this Agreement shall remain unchanged, (B) such Lender shall remain solely responsible to the other parties hereto for the performance of such obligations and (C) the Borrowers, the Administrative Agent and the other Lenders shall continue to deal solely and directly with such Lender in connection with such Lender's rights and obligations under this Agreement. Any agreement or instrument pursuant to which a Lender sells such a participation shall provide that such Lender shall retain the sole right to enforce this Agreement and to approve any amendment, modification or waiver of any provision of this Agreement; provided that such agreement or instrument may provide that such Lender will not, without the consent of the Participant, agree to any amendment, modification or waiver described in the proviso to Section 10.08(b) that affects such Participant. Subject to paragraph (c)(ii) of this Section, Alcoa agrees that each Participant shall be entitled to the benefits of Sections 2.12 and 2.18 to the same extent as if it were a Lender and had acquired its interest by assignment pursuant to paragraph (b) of this Section. To the extent permitted by law, each Participant also shall be entitled to the benefits of

Section 10.06 as though it were a Lender, provided such Participant agrees to be subject to Section 2.16 as though it were a Lender.

(ii) A Participant shall not be entitled to receive any greater payment under Section 2.12 or 2.18 than the applicable Lender would have been entitled to receive with respect to the participation sold to such Participant, unless the sale of the participation to such Participant is made with Alcoa's prior written consent.

(d) Any Lender may at any time pledge or assign a security interest in all or any portion of its rights under this Agreement to secure obligations of such Lender, including any pledge or assignment to secure obligations to a Federal Reserve Bank, and the other provisions of this Section 10.04 shall not apply to any such pledge or assignment of a security interest; provided that no such pledge or assignment of a security interest shall release a Lender from any of its obligations hereunder or substitute any such pledgee or assignee for such Lender as a party hereto.

(e) Unless an Event of Default has occurred and is continuing, Alcoa at any time and from time to time may designate any wholly-owned Subsidiary to be a Borrowing Subsidiary upon the completion of the following: (i) each of Alcoa and such Subsidiary shall have executed and delivered to the Administrative Agent a Designation of Borrowing Subsidiary and (ii) such Subsidiary shall have complied with Section 4.03, whereupon (A) such Subsidiary shall become a party hereto and shall have the rights and obligations of a Borrowing Subsidiary hereunder and (B) the obligations of such Subsidiary shall become part of the Borrowing Subsidiary Obligations and the guarantee of Alcoa pursuant to Article VIII hereof shall apply thereto to the same extent that it applies to the other Borrowing Subsidiary Obligations, if any (the date on which any such designation shall occur being called a "Designation Date").

SECTION 10.05. Expenses; Indemnity. (a) Alcoa agrees to pay or cause one or more other Borrowers to pay all reasonable out-of-pocket expenses incurred by the Administrative Agent in connection with the preparation of this Agreement or in connection with any amendments, modifications or waivers of the provisions hereof or thereof (whether or not the transactions hereby contemplated shall be consummated) or incurred by the Administrative Agent or any Lender in connection with the enforcement of their rights in connection with this Agreement or in connection with the Loans made hereunder, including the reasonable fees, charges and disbursements of Cravath, Swaine & Moore, counsel for the Administrative Agent, and, in connection with any such enforcement, the reasonable fees, charges and disbursements of any other counsel for the Administrative Agent or any Lender. Alcoa further agrees to indemnify or cause one or more other Borrowers to indemnify the Lenders from and hold them harmless against any documentary taxes, assessments or charges made by any Governmental Authority by reason of the execution and delivery of this Agreement.

(b) Alcoa agrees to indemnify or cause one or more other Borrowers to indemnify the Administrative Agent, each Lender and each of their respective Affiliates, directors, officers, employees and agents (each such person being called an "Indemnitee") against, and to hold or cause one or more other Borrowers to hold each

Indemnitee harmless from, any and all losses, claims, damages, liabilities and related expenses, including reasonable counsel fees, charges and disbursements, incurred by or asserted against any Indemnitee arising out of, in any way connected with, or as a result of (i) the execution or delivery of this Agreement or any agreement or instrument contemplated hereby, the performance by the parties thereto of their respective obligations thereunder or the consummation of the transactions contemplated thereby, (ii) the use of the proceeds of the Loans or (iii) any claim, litigation, investigation or proceeding relating to any of the foregoing, whether or not any Indemnitee is a party thereto; provided that such indemnity shall not, as to any Indemnitee, be available to the extent that such losses, claims, damages, liabilities or related expenses are determined by a court of competent jurisdiction by final and nonappealable judgment to have resulted from the gross negligence or wilful misconduct of such Indemnitee. The Administrative Agent and each Lender agrees to promptly notify Alcoa of any claims relating to clauses (i), (ii) or (iii) of the next preceding sentence; provided, however, that any failure to deliver any such notice shall not relieve Alcoa from its obligations under this paragraph (b).

(c) The provisions of this Section 10.05 shall remain operative and in full force and effect regardless of the expiration of the term of this Agreement, the consummation of the transactions contemplated hereby, the repayment of any of the Loans, the invalidity or unenforceability of any term or provision of this Agreement, or any investigation made by or on behalf of the Administrative Agent or Lender. All amounts due under this Section 10.05 shall be payable on written demand therefor.

SECTION 10.06. Right of Setoff. If an Event of Default shall have occurred and be continuing, each Lender is hereby authorized at any time and from time to time, to the fullest extent permitted by law, to set off and apply any and all deposits (general or special, time or demand, provisional or final) at any time held and other indebtedness at any time owing by such Lender or its Affiliates to or for the credit or the account of any Borrower against any of and all the obligations of such Borrower (or, in the case of Alcoa, any of and all the obligations of any Borrowing Subsidiary) now or hereafter existing under this Agreement held by such Lender, irrespective of whether or not such Lender shall have made any demand under this Agreement or otherwise and although such obligations may be unmatured. The rights of each Lender under this Section are in addition to other rights and remedies (including other rights of setoff) which such Lender may have.

SECTION 10.07. Applicable Law. THIS AGREEMENT SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO PRINCIPLES OF CONFLICTS OF LAWS.

SECTION 10.08. Waivers; Amendment. (a) No failure or delay of the Administrative Agent or any Lender in exercising any power or right hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any such right or power, or any abandonment or discontinuance of steps to enforce such a right or power, preclude any other or further exercise thereof or the exercise of any other right or power.

The rights and remedies of the Administrative Agent and the Lenders hereunder are cumulative and are not exclusive of any rights or remedies which they would otherwise have. No waiver of any provision of this Agreement or consent to any departure by any Borrower therefrom shall in any event be effective unless the same shall be permitted by paragraph (b) below, and then such waiver or consent shall be effective only in the specific instance and for the purpose for which given. No notice or demand on any Borrower in any case shall entitle such Borrower to any further notice or shall entitle such Borrower or any other Borrower to notice or demand in similar or other circumstances.

(b) Neither this Agreement nor any provision hereof may be waived, amended or modified except pursuant to an agreement or agreements in writing entered into by the Borrowers and the Required Lenders; provided, however, that no such agreement shall (i) decrease the principal amount of, or extend the maturity of or any scheduled principal payment date or date for the payment of any interest on any Loan or date fixed for payment of any Facility Fee, or waive or excuse any such payment or any part thereof, or decrease the rate of interest on any Loan, without the prior written consent of each Lender affected thereby, (ii) change or extend the Commitment or decrease the Facility Fees of any Lender without the prior written consent of such Lender, (iii) amend or modify the provisions of Section 2.14, the provisions of Article VIII, the provisions of this Section or the definition of "Required Lenders", without the prior written consent of each Lender or (iv) amend, modify or otherwise affect the rights or duties of the Administrative Agent hereunder without the prior written consent of such Agent. Each Lender and each assignee thereof shall be bound by any waiver, consent, amendment or modification authorized by this Section.

SECTION 10.09. Interest Rate Limitation. Notwithstanding anything herein to the contrary, if at any time the applicable interest rate, together with all fees and charges which are treated as interest under applicable law (collectively the "Charges"), as provided for herein or in any other document executed in connection herewith, or otherwise contracted for, charged, received, taken or reserved by any Lender, shall exceed the maximum lawful rate (the "Maximum Rate") which may be contracted for, charged, taken, received or reserved by such Lender in accordance with applicable law, the rate of interest payable to such Lender, together with all Charges payable to such Lender, shall be limited to the Maximum Rate.

SECTION 10.10. Entire Agreement. This Agreement and any fee arrangements related hereto constitute the entire contract between the parties relative to the subject matter hereof. Any previous agreement among the parties with respect to the subject matter hereof is superseded by this Agreement and the fee arrangements related hereto.

SECTION 10.11. Waiver of Jury Trial. Each party hereto hereby waives, to the fullest extent permitted by applicable law, any right it may have to a trial by jury in respect of any litigation directly or indirectly arising out of, under or in connection with this Agreement. Each party hereto (a) certifies that no representative, agent or attorney of any other party has represented, expressly or otherwise, that such other party would not,

in the event of litigation, seek to enforce the foregoing waiver and (b) acknowledges that it and the other parties hereto have been induced to enter into this Agreement, as applicable, by, among other things, the mutual waivers and certifications in this Section 10.11.

SECTION 10.12. Severability. In the event any one or more of the provisions contained in this Agreement should be held invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein and therein shall not in any way be affected or impaired thereby. The parties shall endeavor in good-faith negotiations to replace the invalid, illegal or unenforceable provisions with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.

SECTION 10.13. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall constitute an original but all of which when taken together shall constitute but one contract, and shall become effective as provided in Section 10.03.

SECTION 10.14. Headings. Article and Section headings and the Table of Contents used herein are for convenience of reference only, are not part of this Agreement and are not to affect the construction of, or to be taken into consideration in interpreting, this Agreement.

SECTION 10.15. Jurisdiction, Consent to Service of Process. (a) Each Borrower hereby irrevocably and unconditionally submits, for itself and its property, to the nonexclusive jurisdiction of any New York State court or Federal court of the United States of America sitting in New York City, and any appellate court from any thereof, in any action or proceeding arising out of or relating to this Agreement, or for recognition or enforcement of any judgment, and each of the parties hereto hereby irrevocably and unconditionally agrees that all claims in respect of any such action or proceeding may be heard and determined in such New York State or, to the extent permitted by law, in such Federal court. Each of the parties hereto agrees that a final judgment in any such action or proceeding shall be conclusive and may be enforced in other jurisdictions by suit on the judgment or in any other manner provided by law. Nothing in this Agreement shall affect any right that any Lender may otherwise have to bring any action or proceeding relating to this Agreement against any Borrower or its properties in the courts of any jurisdiction.

(b) Each Borrower hereby irrevocably and unconditionally waives, to the fullest extent it may legally and effectively do so, any objection which it may now or hereafter have to the laying of venue of any suit, action or proceeding arising out of or relating to this Agreement in any New York State or Federal court. Each of the parties hereto hereby irrevocably waives, to the fullest extent permitted by law, the defense of an inconvenient forum to the maintenance of such action or proceeding in any such court.

(c) Each party to this Agreement irrevocably consents to service of process in the manner provided for notices in Section 10.01. Nothing in this Agreement

will affect the right of any party to this Agreement to serve process in any other manner permitted by law.

SECTION 10.16. Conversion of Currencies. (a) If, for the purpose of obtaining judgment in any court, it is necessary to convert a sum due hereunder in dollars into another currency, the parties hereto agree, to the fullest extent that they may legally and effectively do so, that the rate of exchange used shall be that at which in accordance with normal banking procedures the Administrative Agent could purchase dollars with such other currency in The City of New York, on the Business Day immediately preceding the day on which final judgment is given.

(b) The obligation of each Borrower in respect of any sum due to any Lender hereunder in dollars shall, to the extent permitted by applicable law, notwithstanding any judgment in a currency other than dollars, be discharged only to the extent that on the Business Day following receipt of any sum adjudged to be so due in the judgment currency such Lender may in accordance with normal banking procedures purchase dollars in the amount originally due to such Lender with the judgment currency. If the amount of dollars so purchased is less than the sum originally due to such Lender, such Borrower agrees, as a separate obligation and notwithstanding any such judgment, to indemnify such Lender against the resulting loss.

IN WITNESS WHEREOF, Alcoa, the Administrative Agent and the Lenders have caused this Agreement to be duly executed by their respective authorized officers as of the day and year first above written.

ALCOA INC.,

by /s/ William B. Plummer

Name: William B. Plummer
Title: Vice President and Treasurer

JPMORGAN CHASE BANK,
individually and as
Administrative Agent,

by

Name:
Title:

SIGNATURE PAGE TO THE
ALCOA INC.
364 DAY REVOLVING CREDIT
AGREEMENT

LENDER:

by: -----

Name:
Title:

by: -----

Name:
Title:

EXHIBIT A
TO CREDIT AGREEMENT

[FORM OF]

Assignment and Assumption

Reference is made to the 364-Day Revolving Credit Agreement dated as of April 25, 2003 (as amended from time to time, the "Credit Agreement"), among Alcoa Inc. ("Alcoa"), a Pennsylvania corporation, certain subsidiaries of Alcoa, the Lenders, and JPMorgan Chase Bank, as the Administrative Agent for the Lenders. Terms defined in the Credit Agreement are used herein with the same meanings.

1. The Assignor hereby sells and assigns, without recourse, to the Assignee, and the Assignee hereby purchases and assumes, without recourse, from the Assignor, effective as of the Assignment Effective Date set forth on the reverse hereof, the interests set forth on the reverse hereof (the "Assigned Interest") in the Assignor's rights and obligations under the Credit Agreement, including, without limitation, the Commitment of the Assignor on the Assignment Effective Date and the Loans owing to the Assignor which are outstanding on the Assignment Effective Date, together with unpaid interest accrued on the assigned Loans to the Assignment Effective Date and the amount, if any, set forth on the reverse hereof of the fees accrued to the Assignment Effective Date for the account of the Assignor. From and after the Assignment Effective Date (i) the Assignee shall be a party to and be bound by the provisions of the Credit Agreement and, to the extent of the interests assigned by this Assignment and Assumption, have the rights and obligations of a Lender thereunder and (ii) the Assignor shall, to the extent of the interests assigned by this Assignment and Assumption, relinquish its rights and be released from its obligations under the Credit Agreement.

2. This Assignment and Assumption is being delivered to the Administrative Agent together with (i) if the Assignee is a Lender and is organized under the laws of a jurisdiction outside the United States, the forms specified in Section 2.18(g) of the Credit Agreement, duly completed and executed by such Assignee, (ii) if the Assignee is not already a Lender under the Credit Agreement, an Administrative Questionnaire in the form of Exhibit B to the Credit Agreement and (iii) a processing and recordation fee of \$3,500.

3. This Assignment and Assumption shall be governed by and construed in accordance with the laws of the State of New York.

Date of Assignment:

Legal Name of Assignor:

Legal Name of Assignee:

Assignee's Address for Notices:

Assignment Effective Date of Assignment:

Percentage Assigned of Applicable
Facility/Commitment(set forth, to at least
8 decimals, as a percentage of the Facility and
the aggregate Commitments of all Lenders
thereunder)

Facility/ Commitment	Principal Amount Assigned	
-----	-----	-----
Commitment	\$	%
Loan:	\$	%
Fees Assigned (if any):	\$	%

The terms set forth above and on the reverse side hereof are hereby agreed to:

_____, as Assignor

Accepted*/

ALCOA INC.,

by: _____

by: _____

Name:
Title:

Name:
Title:

_____, as Assignee

JPMORGAN CHASE BANK

by: _____

by: _____

Name:
Title:

Name:
Title:

*/ To be completed to the extent consents are required under Section 10.04(b) of the Credit Agreement.

EXHIBIT B
TO CREDIT AGREEMENT

ADMINISTRATIVE QUESTIONNAIRE
ALCOA INC.

Please accurately complete the following information and return via FAX to the attention of Bang Tran (713-750-2223) at JPMorgan Chase Bank as soon as possible.

PHONE NUMBER: FAX NUMBER:

LEGAL NAME OF LENDER (TO APPEAR ON THE SIGNATURE LINE IN DOCUMENTATION):

GENERAL INFORMATION - DOMESTIC LENDING OFFICE:

Institution Name: -----

Street Address: -----

City, State, Zip Code: -----

GENERAL INFORMATION - LIBOR LENDING OFFICE:

Institution Name: -----

Street Address: -----

City, State, Zip Code: -----

TAX WITHHOLDING:

Non-Resident Alien: Yes* No*

*Form 4224 Enclosed

Tax ID Number: -----

CONTACTS/NOTIFICATION METHODS:

CREDIT CONTACTS:

Primary Contact: -----

Street Address: -----

City, State, Zip Code: -----

Phone Number: -----

FAX Number: -----

Backup Contact: -----

Street Address: -----

City, State, Zip Code: -----

Phone Number: -----

FAX Number: -----

ADMINISTRATIVE CONTACTS - BORROWING, PAYMENTS, INTEREST, ETC...

Contact(s): -----

Street Address: -----

City, State, Zip Code: -----

Phone Number: -----

FAX Number: -----

ACCOUNT INFORMATION - Please provide only one set of instructions for all types of payments:

Name of Bank where funds are to be transferred: -----

Routing Transit/ABA number of Bank where funds are to be transferred: -----

Name of Account: -----

Account Number: -----

Additional Information: -----

It is very important that all of the above information is accurately filled in and promptly returned. If there is someone other than yourself who should receive this questionnaire, please notify us of their name and FAX number and we will FAX them a copy of the questionnaire.

[Letterhead of]

ALCOA

April 25, 2003

JPMorgan Chase Bank, as Agent
and each of the Lenders party to the
Agreement referred to below
270 Park Avenue
New York, NY 10017

Ladies and Gentlemen:

I am Counsel of Alcoa Inc. ("Alcoa") and in such capacity have represented Alcoa in connection with the 364-Day Revolving Credit Agreement dated as of April 25, 2003 (the "Agreement"), among Alcoa, certain subsidiaries of Alcoa, the Lenders and JPMorgan Chase Bank, as the Administrative Agent. This opinion is rendered to you pursuant to Section 4.01(a) of the Agreement. Capitalized terms used but not defined herein shall have the meanings assigned to them in the Agreement.

In rendering the opinion expressed below, I have examined, either personally or indirectly through other counsel, the originals or conformed copies of the Agreement and such corporate records, agreements and instruments of Alcoa and its Subsidiaries, certificates of public officials and of officers of Alcoa and its Subsidiaries, and such other documents and records as I have deemed appropriate as a basis for the opinions hereinafter expressed.

Based upon the foregoing and subject to the qualifications stated herein, I am of the opinion that:

1. Alcoa is a corporation duly organized, validly existing and in good standing under the laws of the Commonwealth of Pennsylvania and is duly qualified to do business as a foreign corporation and is in good standing in all other jurisdictions in which the ownership of its properties or the nature of its activities or both makes such qualification necessary, except to the extent that failure to be so qualified would not result in a Material Adverse Effect.
2. Alcoa has corporate power and authority to execute, deliver and carry out the provisions of the Agreement, to borrow under the Agreement and to perform its obligations thereunder and all such action has been duly and validly authorized by all necessary corporate proceedings on its part.

3. The Agreement has been duly executed and delivered by Alcoa and constitutes the legal, valid and binding obligation of Alcoa enforceable against Alcoa in accordance with its terms, except as limited by bankruptcy, insolvency or other similar laws of general application affecting the enforcement of creditors' rights or by general principles of equity limiting the availability of equitable remedies.

4. No authorization, consent, approval, license, exemption or other action by, and no registration, qualification, designation, declaration or filing with, any Governmental Authority is necessary in connection with Alcoa's execution and delivery of the Agreement, the consummation by Alcoa of the transactions contemplated therein or Alcoa's performance of or compliance with the terms and conditions thereof, except as set forth on Schedule 3.04 to the Agreement.

5. The execution and delivery by Alcoa of the Agreement, the consummation by Alcoa of the transactions contemplated thereby or performance by Alcoa of or compliance with the terms and conditions thereof will not (a) violate any law, constitution, statute, treaty, regulation, rule, ordinance, order, injunction, writ, decree or award of any Governmental Authority to which it is subject, (b) conflict with or result in a breach or default under its charter or by-laws, (c) to the best of my knowledge, conflict with or result in a breach or default which is material in the context of the Agreement under any agreement or instrument to which Alcoa is a party or by which it or any of its properties, whether now owned or hereafter acquired, may be subject or bound or (d) result in the creation or imposition of any Lien prohibited by Section 6.01 of the Agreement upon any property or assets of Alcoa, whether now owned or hereafter acquired.

6. Except as set forth in the financial statements referred to in Section 3.06 of the Agreement, any Exchange Act Report or otherwise disclosed on Schedule 3.08 to the Agreement, there is no pending or, to my knowledge, threatened proceeding by or before any Governmental Authority against Alcoa or any of its Subsidiaries which in my opinion is likely to result in a Material Adverse Effect.

7. Alcoa is not an "investment company" as defined in, or subject to regulation under, the Investment Company Act of 1940, and Alcoa is exempted as a "holding company" as defined in the Public Utility Holding Company Act of 1935.

I am a member of the bar of the Commonwealth of Pennsylvania and my opinion is limited to the laws of the Commonwealth of Pennsylvania and the laws of the United States of America. I express no opinion herein as to whether a court would apply New York law to any particular subject matter hereof. To the extent that the laws of the State of New York or, contrary to the agreement of the parties, the laws of any other State govern the documents referenced herein, you may rely on my opinion with respect to such laws to the extent that the laws of such state or states are substantially the same as the laws of the Commonwealth of Pennsylvania, as to which sameness I express no opinion.

Very truly yours,

Thomas F. Seligson

19W

EXHIBIT D
TO CREDIT AGREEMENT

[FORM OF]

DESIGNATION OF BORROWING SUBSIDIARY

Reference is made to the 364-Day Revolving Credit Agreement dated as of April 25, 2003 (as amended from time to time, the "Credit Agreement"), among Alcoa Inc. ("Alcoa"), a Pennsylvania corporation, certain subsidiaries of Alcoa, the Lenders and JPMorgan Chase Bank, as the Administrative Agent for the Lenders. Terms defined in the Credit Agreement are used herein with the same meanings.

1. Alcoa hereby designates [____], a [____] corporation (the "Subsidiary"), effective as of [____], 20[___] (the "Designation Date"), as a Borrowing Subsidiary under the Credit Agreement. The Subsidiary hereby makes and agrees to be bound by all the representations, warranties and agreements set forth in Article III, V and VI of the Credit Agreement. From and after the Designation Date, the Subsidiary shall become a party to the Credit Agreement and shall have the rights and obligations of a Borrowing Subsidiary thereunder. Alcoa agrees that its guarantee pursuant to Article VIII of the Credit Agreement shall apply to the Borrowings of the Subsidiary.

2. This Designation of Borrowing Subsidiary is being delivered to the Administrative Agent together with the documents set forth in Section 4.03(a).

3. This Designation of Borrowing Subsidiary shall be governed by and construed in accordance with the laws of the State of New York.

The terms set forth above are hereby agreed to:

[_____], as subsidiary,

by

Name:
Title:

ALCOA INC.,

by

Name:
Title:

Accepted:

JPMORGAN CHASE BANK, as the
Administrative Agent

by

Name:
Title:

SCHEDULE 2.01

Name and Address of the Lenders	Contact Person and Telephone and Telecopy Numbers	Commitment (U.S.\$)
JPMorgan Chase Bank 270 Park Avenue, New York, NY 10017	James Ramage Tel: 212-270-1373 Fax: 212-270-5100	\$ 208,333,333
Citibank, N.A. 399 Park Avenue, New York, NY 10043	Ray Dunning Tel: 212-816-8259 Fax: 212-816-8052	200,000,000
UBS AG, Stamford Branch 677 Washington Boulevard Stamford, Connecticut 06901	Denise Conzo Tel: 203-719-3815 Fax: 203-719-3888	200,000,000
Credit Suisse First Boston 11 Madison Avenue, 20th Fl. New York, NY 10010	Vitaly Butenko Tel: 212-325-8319 Fax: 212-325-1681	183,333,333
Deutsche Bank AG 31 West 52nd Street, 24th Fl. New York, NY 10019	Oliver Schwarz Tel: 212-469-8610 Fax: 212-469-2930	166,666,667
ABN AMRO Bank, N.V. 500 Park Avenue, New York, NY 10022	Brendan Korb Tel: 312-904-1760 Fax: 312-904-6387	166,666,667
Mellon Bank, N.A. One Mellon Bank Center, Pittsburgh, PA 15258-0001	Robert Reichenbach Tel: 412-236-0567 Fax: 412-236-1914	150,000,000
Morgan Stanley Bank 1585 Broadway New York, 10036	Jaap Tonckens Tel: 212-761-1052 Fax: 212-761-0322	116,666,667
Bank of America, N.A. 901 Main Street, 67th Fl. Dallas, TX 75202	Dennis Amato Tel: 212-847-6705 Fax: 212-847-6721	100,000,000
BNP Paribas 787 Seventh Avenue, New York, NY 10019	Christopher Criswell Tel: 212-841-3404 Fax: 212-841-3049	100,000,000
Australian and New Zealand Banking Group Ltd. 1177 Avenue of the Americas, New York, NY 10036	Peter Gray Tel: 212-801-9739 Fax: 212-556-4839	95,000,000

Name and Address of the Lenders	Contact Person and Telephone and Telecopy Numbers	Commitment (U.S.\$)
The Bank of Tokyo-Mitsubishi, Ltd., New York Branch 1251 Avenue of the Americas, New York, NY 10022	Mark Marron Tel: 212-782-4337 Fax: 212-782-6440	66,666,667
Banco Bilbao Vizcaya Argentaria, S.A. 1345 Avenue of the Americas, New York, NY 10105	Miguel Lara Tel: 212-728-1664 Fax: 212-333-2904	66,666,667
Bank One, N.A. 153 West 51st St. New York, NY 10019	Edmond Thompson Tel: 212-373-1106 Fax: 212-373-1388	66,666,667
SANPAOLO IMI S.P.A. 245 Park Avenue, 35th Fl. New York, NY 10167	Luca Sacchi Tel: 212-692-3130 Fax: 212-692-3178	56,666,667
National Australia Bank Limited 200 Park Avenue, 34th Fl. New York, NY 10166	Craig Manning Tel: 212-916-9509 Fax: 212-983-7360	33,333,333
The Bank of New York 1 Wall Street New York, NY 10286	Ernest Fung Tel: 212-635-6805 Fax: 212-635-7978	23,333,333
	Total:	\$2,000,000,000.00 =====

Governmental Approvals

International Capital Form S filed with the Federal Reserve Bank of New York.

Litigation

None.

SCHEDULE 6.01(a)

ENTITY	LEASED EQUIP	MORTGAGES	TAX EXEMPT DEBT	TAX EXEMPT DEBT (Paid Off)*	Acc Rec Sec Prog	Credit Facility (Paid Off)*
Alcoa Inc. - Consolidated	1,410,400	125,000				
	1,524,611					
				123,330,833		
Reynolds Metals Company	1,525,253	474,565	181,735,000			
Alcoa Inc. - Consolidated		14,266				
				40,265,000		
Alcoa Architectural Products SAS - Cons		8,603,547				
Reynolds Systems Ireland Limited - Cons	172,978					
Automotive Castings - Cons		18,800				
Alcoa Manufacturing(GB)Limited - Consolidated	8,476					
	53,993,046					
				934,433		
Alcoa Latin America Holding Co.(ALAHC)-Cons		54,500				
Kawneer U.K. Ltd - Consolidated	70,861	42,630				
Alcoa Building Products (ABP)	70,261					
Eastalco - Consolidation				10,687,006		
Alumax of South Carolina				27,450,000		
Alcoa Extrusions Inc. PA				9,000,000		
Kawneer Co., Inc.		3,624				
		1,220				
		6,098				
		11,809				
		1,236				
Baco Consumer Products Limited - Consolidated		29,895				
Huck S.A.		318,312				
Crystal Thermoplastics, Inc.				966,937		
Alcoa Inespal, S.A.	24,536	6,818				
Alcoa Transformacion S.A.	43,982	1,275				
Alcoa World Alumina LLC		232,115				
Alcoa Chemie GMBH - Consolidated	1,345,130	2,065,032				
Tifton Aluminum Company, Inc. - Consolidated				10,000,000		
Alcoa Shanghai Aluminum Products - Consolidated		6,525,866				
Ivex Packaging Corporation *				34,965,000		302,271,415
Alcoa Closure Systems Japan, Ltd. - Consolidated	1,605,319					
Alumax Europe N.V. - Consolidated						
Alcoa Servicios, SA de CV - Consolidated	19,433					

Alcoa Wireless Network Services Inc.

101,214

Alcoa Inter-America, Inc.

40,000,000

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TOTAL	61,814,287	19,572,255	403,434,776	34,965,000	40,000,000	302,271,415
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* Lien releases on paid-off debt in process

CREDIT AGREEMENT

(Five-Year)

Dated as of April 25, 2003

Among

ALCOA INC.,

THE LENDERS NAMED HEREIN,

CITIBANK, N.A., CREDIT SUISSE FIRST BOSTON and UBS AG,

as Syndication Agents,

DEUTSCHE BANK SECURITIES INC. and ABN AMRO BANK, N.V.,

as Documentation Agents, and

JPMORGAN CHASE BANK,

as Administrative Agent,

J.P. MORGAN SECURITIES INC.,

as Sole Lead Arranger and Sole Bookrunner

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Exhibit D	Designation of Borrowing Subsidiary
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FIVE-YEAR REVOLVING CREDIT AGREEMENT dated as of April 25, 2003 (as the same may be amended, modified or supplemented from time to time, the "Agreement"), among ALCOA INC., a Pennsylvania corporation ("Alcoa"), the Lenders (such term and each other capitalized term used but not defined herein having the meaning ascribed thereto in Article I), and JPMORGAN CHASE BANK, a New York banking corporation, as Administrative Agent for the Lenders.

Alcoa and the Borrowing Subsidiaries have requested the Lenders to extend credit in order to enable Alcoa and the Borrowing Subsidiaries, subject to the terms and conditions of this Agreement, to borrow on a revolving basis, at any time and from time to time prior to the Maturity Date, an aggregate principal amount at any time outstanding not in excess of US\$1,000,000,000. The proceeds of such borrowings are to be used to provide working capital and for other general corporate purposes, including but not limited to the support of Alcoa's commercial paper program. The Lenders are willing to extend such credit to Alcoa and the Borrowing Subsidiaries on the terms and subject to the conditions set forth herein.

Accordingly, the Borrowers, the Lenders and the Administrative Agent agree as follows:

ARTICLE I

DEFINITIONS AND CONSTRUCTION

SECTION 1.01 Defined Terms. As used in this Agreement, the following terms shall have the meanings set forth below:

"ABR Borrowing" shall mean a Borrowing comprised of ABR Loans.

"ABR Loan" shall mean any Loan bearing interest at a rate determined by reference to the Alternate Base Rate in accordance with the provisions of Article II.

"Administrative Agent" shall mean JPMorgan Chase Bank, a New York banking corporation, in its capacity as administrative agent for the Lenders hereunder.

"Administrative Questionnaire" shall mean an Administrative Questionnaire in the form of Exhibit B.

"Affiliate" shall mean, when used with respect to a specified person, another person that directly, or indirectly through one or more intermediaries, Controls or is Controlled by or is under common Control with the person specified.

"Alternate Base Rate" shall mean, for any day, a rate per annum (rounded upwards, if necessary, to the next 1/16 of 1%) equal to the greatest of (a) the Prime Rate in effect on such day, (b) the Base CD Rate in effect on such day plus 1% and (c) the Federal Funds Effective Rate in effect on such day plus 1/2 of 1%. For purposes hereof, "Prime Rate" shall mean the rate of interest per annum publicly announced from time to time by the Administrative Agent as its prime rate in effect at its principal office in New York City; each change in the Prime Rate shall be effective on the date such change is publicly announced as being effective. "Base CD Rate" shall mean the sum of (a) the product of (i) the Three-Month Secondary CD Rate and (ii) Statutory Reserves and (b) the Assessment Rate. "Three-Month Secondary CD Rate" shall mean, for any day, the secondary market rate for three-month certificates of deposit reported as being in effect on such day (or, if such day shall not be a Business Day, the next preceding Business Day) by the Board through the public information telephone line of the Federal Reserve Bank of New York (which rate will, under the current practices of the Board, be published in Federal Reserve Statistical Release H.15(519) during the week following such day), or, if such rate shall not be so reported on such day or such next preceding Business Day, the average of the secondary market quotations for three month certificates of deposit of major money center banks in New York City received at approximately 10:00 a.m., New York City time, on such day (or, if such day shall not be a Business Day, on the next preceding Business Day) by the Administrative Agent from three New York City negotiable certificate of deposit dealers of recognized standing selected by it. "Federal Funds Effective Rate" shall mean, for any day, the weighted average of the rates on overnight Federal funds transactions with members of the Federal Reserve System arranged by Federal funds brokers, as published on the next succeeding Business Day by the Federal Reserve Bank of New York, or, if such rate is not so published for any day which is a Business Day, the average of the quotations for the day of such transactions received by the Administrative Agent from three Federal funds brokers of recognized standing selected by it. If for any reason the Administrative Agent shall have determined (which determination shall be conclusive absent manifest error) that it is unable to ascertain the Base CD Rate or the Federal Funds Effective Rate or both for any reason, including the inability of the Administrative Agent to obtain sufficient quotations in accordance with the terms thereof, the Alternate Base Rate shall be determined without regard to clause (b) or (c), or both, of the first sentence of this definition, as appropriate, until the circumstances giving rise to such inability no longer exist. Any change in the Alternate Base Rate due to a change in the Prime Rate, the Three-Month Secondary CD Rate or the Federal Funds Effective Rate shall be effective on the effective date of such change in the Prime Rate, the Three-Month Secondary CD Rate or the Federal Funds Effective Rate, respectively.

"Applicable Margin" shall mean, with respect to the LIBOR Loans comprising any Borrowing, the applicable percentage set forth below based upon the ratings by S&P and Moody's applicable on such date to the Index Debt:

Category 1	Percentage
AA-/Aa3 or above	.0750%
Category 2	
A+/A1	.1225%
Category 3	
A/A2	.1700%
Category 4	
A-/A3	.4150%
Category 5	
BBB/Baa2	.6350%
Category 6	
BBB-/Baa3 or below	.8350%

For purposes of the foregoing, (i) if neither Moody's nor S&P shall have in effect a rating for any Index Debt (other than by reason of the circumstances referred to in the last sentence of this definition), then both such rating agencies shall be deemed to have established ratings for such Index Debt in Category 6; (ii) if only one of Moody's and S&P shall have in effect a rating for any Index Debt, then the Applicable Margin, to the extent determined by reference to such Index Debt, shall be determined on the basis of such rating; (iii) if the ratings established or deemed to have been established by Moody's or S&P for any Index Debt shall fall within different Categories, the Applicable Margin shall be based on the Category corresponding to the higher rating unless the ratings differ by two or more Categories, in which case the Applicable Margin will be based upon the Category one level above the Category corresponding to the lower rating; and (iv) if any rating established or deemed to have been established by Moody's or S&P shall be changed (other than as a result of a change in the rating system of Moody's or S&P), such change shall be effective as of the date on which it is first announced by the applicable rating agency. Each change in the Applicable Margin shall apply during the period commencing on the effective date of such change and ending on the date immediately preceding the effective date of the next such change. If the rating system of Moody's or S&P shall change, or if any such rating agency shall cease to be in the business of rating corporate debt obligations, Alcoa and the Lenders shall negotiate in good faith to amend the references to specific ratings in this definition to reflect such changed rating system or the non-availability of ratings from such rating agency, and pending the effectiveness of any such amendment, the ratings of such rating agency most

recently in effect prior to such change or cessation shall be employed in determining the Applicable Margin.

"Approved Fund" shall have the meaning assigned to such term in Section 10.04(b).

"Assessment Rate" shall mean, for any date, the annual rate (rounded upwards, if necessary, to the next 1/100 of 1%) most recently estimated by the Administrative Agent as the then current net annual assessment rate that will be employed in determining amounts payable by the Administrative Agent to the Federal Deposit Insurance Corporation (or any successor) for such date for insurance by such Corporation (or such successor) of time deposits made in dollars at the Administrative Agent's domestic offices.

"Assignment and Assumption" shall mean an assignment and assumption entered into by a Lender and an assignee, and accepted by the Administrative Agent, in the form of Exhibit A or such other form as shall be approved by the Administrative Agent.

"Board" shall mean the Board of Governors of the Federal Reserve System of the United States.

"Borrowers" shall mean Alcoa and the Borrowing Subsidiaries.

"Borrowing" shall mean any group of Loans of a single Type made by the Lenders on a single date and as to which a single Interest Period is in effect.

"Borrowing Subsidiaries" shall mean, at any time, the wholly-owned Subsidiaries of Alcoa that have undertaken the obligations of Borrowing Subsidiaries pursuant to Section 10.04(e).

"Borrowing Subsidiary Obligations" shall mean, collectively, the due and punctual payment by any Borrowing Subsidiary of the principal of and interest on the Loans to it, when and as due, whether at maturity, by acceleration or otherwise, and the due and punctual payment and performance of all other obligations of such Borrowing Subsidiary under this Agreement.

"Business Day" shall mean any day (other than a day which is a Saturday, Sunday or day on which banks in New York City are authorized or required by law to remain closed); provided, however, that, when used in connection with any LIBOR Loan, the term "Business Day" shall in each case also exclude any day on which banks are not open for dealings in dollar deposits in the London interbank market.

"CLO" shall have the meaning assigned to such term in Section 10.04(b).

"Code" shall mean the Internal Revenue Code of 1986, as the same may be amended from time to time.

"Commercial Paper" of any person shall mean any note, draft, bill of exchange or other negotiable instrument issued by such person (other than any extendable commercial notes issued pursuant to Section 4(2) of the Securities Act of 1933) that has a maturity at the time of issuance not exceeding thirteen months, exclusive of days of grace, or any renewal thereof the maturity of which is likewise limited, pursuant to Section 3(a)(3) or Section 4(2) of the Securities Act of 1933.

"Commitment" shall mean, with respect to each Lender, the commitment of such Lender to make Loans hereunder as set forth in Schedule 2.01, as the same may be terminated, reduced or increased from time to time pursuant to Section 2.09.

"Consolidated Net Tangible Assets" shall mean at any time, the aggregate amount of assets (less applicable reserves and other properly deductible items) of Alcoa and its consolidated Subsidiaries adjusted for inventories on the basis of cost (before application of the "last-in first-out" method of determining cost) or current market value, whichever is lower, and deducting therefrom (a) all current liabilities of such corporation and its consolidated Subsidiaries except for (i) notes and loans payable, (ii) current maturities of long-term debt and (iii) current maturities of obligations under capital leases and (b) all goodwill, trade names, patents, unamortized debt discount and expenses of such corporation and its consolidated Subsidiaries (to the extent included in said aggregate amount of assets) and other like intangibles, all as set forth in the most recent consolidated balance sheet of Alcoa and its consolidated Subsidiaries, delivered to the Administrative Agent pursuant to Section 5.01, computed and consolidated in accordance with GAAP.

"Consolidated Net Worth" shall mean at any time, the net worth of Alcoa and its consolidated Subsidiaries at such time (including minority interests), computed and consolidated in accordance with GAAP.

"Control" shall mean the possession, directly or indirectly, of the power to direct or cause the direction of the management or policies of a person, whether through the ownership of Voting Stock, by contract or otherwise, and "Controlling" and "Controlled" shall have meanings correlative thereto.

"Default" shall mean any event or condition which upon notice, lapse of time or both would constitute an Event of Default.

"Designation Date" shall have the meaning assigned to such term in Section 10.04(e).

"Designation of Borrowing Subsidiary" shall mean a Designation of Borrowing Subsidiary executed by Alcoa and a wholly-owned Subsidiary in the form of Exhibit D.

"dollars" or "\$" shall mean lawful money of the United States of America.

"Effective Date" shall mean the date of this Agreement.

"ERISA" shall mean the Employee Retirement Income Security Act of 1974, as the same may be amended from time to time.

"ERISA Affiliate" shall mean any trade or business (whether or not incorporated) that is a member of a group of which any Borrower is a member and which is treated as a single employer under Section 414 of the Code.

"ERISA Event" shall mean (i) any Reportable Event; (ii) the adoption of any amendment to a Plan that would require the provision of security pursuant to Section 401(a)(29) of the Code or Section 307 of ERISA; (iii) the existence with respect to any Plan of an "accumulated funding deficiency" (as defined in Section 412 of the Code or Section 302 of ERISA), whether or not waived; (iv) the filing pursuant to Section 412(d) of the Code or Section 302(d) of ERISA of an application for a waiver of the minimum funding standard with respect to any Plan; (v) the incurrence of any liability under Title IV of ERISA with respect to the termination of any Plan or the withdrawal or partial withdrawal of the Borrower or any of its ERISA Affiliates from any Plan or Multiemployer Plan; (vi) the receipt by the Borrower or any ERISA Affiliate from the PBGC or a plan administrator of any notice relating to the intention to terminate any Plan or Plans or to appoint a trustee to administer any Plan; (vii) the receipt by the Borrower or any ERISA Affiliate of any notice concerning the imposition of Withdrawal Liability or a determination that a Multiemployer Plan is, or is expected to be, insolvent or in reorganization, within the meaning of Title IV of ERISA; (viii) the occurrence of a "prohibited transaction" with respect to which the Borrower or any of its subsidiaries is a "disqualified person" (within the meaning of Section 4975 of the Code) or with respect to which the Borrower or any such subsidiary could otherwise be liable; (ix) any other similar event or condition with respect to a Plan or Multiemployer Plan that could result in liability of the Borrowers and (x) any Foreign Benefit Event.

"Event of Default" shall have the meaning assigned to such term in Article VII.

"Exchange Act Report" shall mean the Annual Report of Alcoa on Form 10-K for the year ended December 31, 2002 and Current Report on Form 8-K filed on April 7, 2003 by Alcoa with the Securities and Exchange Commission pursuant to the Securities Exchange Act of 1934.

"Facility Fee" shall have the meaning assigned to such term in Section 2.05(a).

"Facility Fee Percentage" shall mean on any date the applicable percentage set forth below based upon the ratings by S&P and Moody's, respectively, applicable on such date to the Index Debt:

Category 1	Percentage
AA-/Aa3 or above	.0750%

Category 2	

A+/A1	.0775%
Category 3	

A/A2	.0800%
Category 4	

A-/A3	.0850%
Category 5	

BBB/Baa2	.1150%
Category 6	

BBB-/Baa3 or below	.1650%

For purposes of the foregoing, (i) if neither Moody's nor S&P shall have in effect a rating for the Index Debt (other than by reason of the circumstances referred to in the last sentence of this definition), then both such rating agencies shall be deemed to have established ratings in Category 6; (ii) if only one of Moody's and S&P shall have in effect a rating for the Index Debt, then the Facility Fee Percentage shall be determined on the basis of such rating; (iii) if the ratings established or deemed to have been established by Moody's or S&P for any Index Debt shall fall within different Categories, the Facility Fee Percentage shall be based on the Category corresponding to the higher rating unless the ratings differ by two or more Categories, in which case the Facility Fee Percentage will be based upon the Category one level above the Category corresponding to the lower rating; and (iv) if any rating established or deemed to have been established by Moody's or S&P shall be changed (other than as a result of a change in the rating system of Moody's or S&P), such change shall be effective as of the date on which it is first announced by the applicable rating agency. Each change in the Facility Fee Percentage shall apply during the period commencing on the effective date of such change and ending on the date immediately preceding the effective date of the next such change. If the rating system of Moody's or S&P shall change, or if either of such rating agencies shall cease to be in the business of rating corporate debt obligations, Alcoa and the Lenders shall negotiate in good faith to amend the references to specific ratings in this definition to reflect such changed rating system or the non-availability of ratings from such rating agency, and pending the effectiveness of any such amendment, the ratings of such rating agency most recently in effect prior to such change or cessation shall be employed in determining the Facility Fee Percentage.

"Financial Officer" of any corporation shall mean the chief financial officer, principal accounting officer, Treasurer or Controller of such corporation.

"Foreign Benefit Event" shall mean (a) with respect to any Foreign Pension Plan, (i) the existence of unfunded liabilities in excess of the amount permitted under any applicable law, or in excess of the amount that would be permitted absent a waiver from a Governmental Authority, (ii) the failure to make the required contributions or payments, under any applicable law, on or before the due date for such contributions or payments, (iii) the receipt of a notice by a Governmental Authority relating to the intention to terminate any such Foreign Pension Plan or to appoint a trustee to administer any such Foreign Pension Plan, or to the insolvency of any such Foreign Pension Plan and (iv) the incurrence of any liability of the Borrowers under applicable law on account of the complete or partial termination of such Foreign Pension Plan or the complete or partial withdrawal of any participating employer therein and (b) with respect to any Foreign Plan, (i) the occurrence of any transaction that is prohibited under any applicable law and could result in the incurrence of any liability by the Borrowers, or the imposition on the Borrowers of any fine, excise tax or penalty resulting from any noncompliance with any applicable law and (ii) any other event or condition that could reasonably be expected to result in liability of any of the Borrowers.

"Foreign Plan" shall mean any plan or arrangement established or maintained outside the United States for the benefit of present or former employees of any of the Borrowers.

"Foreign Pension Plan" shall mean any benefit plan which under applicable law is required to be funded through a trust or other funding vehicle other than a trust or funding vehicle maintained exclusively by a Governmental Authority.

"GAAP" shall mean generally accepted accounting principles, as used in, and applied on a basis consistent with, the financial statements of Alcoa referred to in Section 3.06.

"Governmental Authority" shall mean any Federal, state, local or foreign court or governmental agency, authority, instrumentality or regulatory body.

"Guarantee" of or by any person shall mean any obligation, contingent or otherwise, of such person guaranteeing any Indebtedness of any other person, whether directly or indirectly, and including any obligation of such person, direct or indirect, to purchase or pay such Indebtedness or to purchase any security for the payment of such Indebtedness; provided, however, that the term "Guarantee" shall not include endorsements for collection or deposit, in either case in the ordinary course of business.

"Indebtedness" of any person at any time shall mean, without duplication, (a) all obligations for money borrowed or raised, all obligations (other than accounts payable and other similar items arising in the ordinary course of business) for the deferred payment of the purchase price of property, and all capital lease obligations which, in each case, in accordance with GAAP, would be included in determining total liabilities as shown on the liability side of the balance sheet of such person and (b) all Guarantees of such person.

"Index Debt" shall mean the senior, unsecured, non-credit enhanced, long-term Indebtedness for borrowed money of Alcoa.

"Interest Payment Date" shall mean, with respect to any Loan, the last day of the Interest Period applicable to the Borrowing of which such Loan is a part and, in the case of a LIBOR Borrowing with an Interest Period of more than three months' duration, each day that would have been an Interest Payment Date had successive Interest Periods of three months' duration been applicable to such Borrowing, and, in addition, the date of any refinancing, continuation or conversion of such Borrowing with or to a Borrowing of a different Type.

"Interest Period" shall mean (a) as to any LIBOR Borrowing, the period commencing on the date of such Borrowing or on the last day of the immediately preceding Interest Period applicable to such Borrowing, as the case may be, and ending on the numerically corresponding day (or, if there is no numerically corresponding day, on the last day) in the calendar month that is 1, 2, 3 or 6 months thereafter, as the Borrower to which such Loan is made may elect; and (b) as to any ABR Borrowing, the period commencing on the date of such Borrowing or on the last day of the immediately preceding Interest Period applicable to such Borrowing, as the case may be, and ending on the earliest of (i) the next succeeding March 31, June 30, September 30 or December 31, (ii) the Maturity Date and (iii) the date such Borrowing is prepaid in accordance with Section 2.11; provided, however, that if any Interest Period would end on a day other than a Business Day, such Interest Period shall be extended to the next succeeding Business Day unless, in the case of a LIBOR Borrowing only, such next succeeding Business Day would fall in the next calendar month, in which case such Interest Period shall end on the next preceding Business Day.

"Lenders" shall mean (a) the financial institutions listed on Schedule 2.01 (other than any such financial institution that has ceased to be a party hereto pursuant to an Assignment and Assumption) and (b) any financial institution that has become a party hereto pursuant to an Assignment and Assumption.

"LIBO Rate" shall mean, with respect to any LIBOR Borrowing for any Interest Period, an interest rate (rounded upwards, if necessary, to the next 1/16 of 1%) equal to the offered rate for dollar deposits for a period equal to the Interest Period for such LIBOR Borrowing that appears on the LIBO page on the Reuters Screen (or any page that can reasonably be considered a replacement page) at approximately 11:00 a.m., London time, two Business Days prior to the commencement of such Interest Period. If such rate is not available on the Reuters Screen, the "LIBO Rate" shall be the rate (rounded upwards, if necessary, to the next 1/16 of 1%) equal to the arithmetic average of the respective rates per annum at which dollar deposits approximately equal in principal amount to such LIBOR Borrowing and for a maturity comparable to such Interest Period are offered in immediately available funds to the London branches of the Reference Banks in the London interbank market at approximately 11:00 a.m., London time, two Business Days prior to the commencement of such Interest Period. The Administrative Agent shall determine the LIBO Rate and such determination shall be conclusive absent manifest error.

"LIBOR Borrowing" shall mean a Borrowing comprised of LIBOR Loans.

"LIBOR Loan" shall mean any Loan bearing interest at a rate determined by reference to the LIBO Rate in accordance with the provisions of Article II.

"Lien" shall mean, with respect to any asset, (a) any mortgage, deed of trust, lien, pledge, encumbrance, charge or security interest in or on such asset, (b) the interest of a vendor or a lessor under any conditional sale agreement, capital lease or title retention agreement relating to such asset and (c) in the case of securities, any purchase option, call or similar right of a third party with respect to such securities.

"Loans" shall have the meaning assigned to it in Section 2.01. Each Loan shall be a LIBOR Loan or an ABR Loan.

"Material Adverse Effect" shall mean a materially adverse effect on the business, assets, operations or financial condition of Alcoa and its Subsidiaries taken as a whole, or a material impairment of the ability of Alcoa to perform any of its obligations under this Agreement.

"Maturity Date" shall mean April 25, 2008.

"Moody's" shall mean Moody's Investors Service, Inc.

"Multiemployer Plan" shall mean a multiemployer plan as defined in Section 4001(a)(3) of ERISA to which any Borrower or any ERISA Affiliate (other than one considered an ERISA Affiliate only pursuant to subsection (m) or (o) of Section 414 of the Code) is making or accruing an obligation to make contributions, or has within any of the preceding five plan years made or accrued an obligation to make contributions.

"1998 Five-Year Credit Agreement" shall mean the Revolving Credit Agreement (Five-Year) dated as of August 14, 1998, and maturing on August 14, 2003, among Alcoa, Alcoa of Australia Limited, a company incorporated with limited liability in Australia, the lenders party thereto, JPMorgan Chase Bank (formerly The Chase Manhattan Bank), as U.S. agent for such lenders, and J.P. Morgan Securities Australia Limited (formerly Chase Securities Australia Limited), a company incorporated with limited liability in Australia, as Australian Agent for such lenders.

"PBGC" shall mean the Pension Benefit Guaranty Corporation referred to and defined in ERISA.

"person" shall mean any natural person, corporation organization, business trust, joint venture, association, company, partnership or government, or any agency or political subdivision thereof.

"Plan" shall mean any pension plan (other than a Multiemployer Plan) subject to the provisions of Title IV of ERISA or Section 412 of the Code which is maintained for employees of any Borrower or any ERISA Affiliate.

"Pro Rata Percentage" of any Lender at any time shall mean the percentage of the Total Commitment that is represented by such Lender's Commitment.

"Reference Banks" shall mean JPMorgan Chase Bank, Mellon Bank, N.A. and Bank of America, N.A.

"Register" shall have the meaning given such term in Section 10.04(b).

"Related Parties" means, with respect to any specified person, such person's Affiliates and the respective directors, officers, employees, agents and advisors of such person and such person's Affiliates.

"Reportable Event" shall mean any reportable event as defined in Section 4043(b) of ERISA or the regulations issued thereunder with respect to a Plan (other than a Plan maintained by an ERISA Affiliate which is considered an ERISA Affiliate only pursuant to subsection (m) or (o) of Section 414 of the Code).

"Required Lenders" shall mean Lenders representing at least 66-2/3% in principal amount of the outstanding Loans and unused Commitments.

"Responsible Officer" of any corporation shall mean any executive officer or Financial Officer of such corporation and any other officer or similar official thereof responsible for the administration of the obligations of such corporation in respect of this Agreement.

"Restricted Subsidiary" shall mean any consolidated Subsidiary of Alcoa which owns any manufacturing plant or manufacturing facility located in the United States, except any such plant or facility which, in the opinion of the Board of Directors of Alcoa, is not of material importance to the business of Alcoa and its Restricted Subsidiaries, taken as a whole, excluding any such Subsidiary which (a) is principally engaged in leasing or financing receivables, (b) is principally engaged in financing Alcoa's operations outside the United States or (c) principally serves as a partner in a partnership.

"S&P" shall mean Standard & Poor's Ratings Services, a Division of the McGraw-Hill Companies Inc.

"Statutory Reserves" shall mean a fraction (expressed as a decimal), the numerator of which is the number one and the denominator of which is the number one minus the aggregate of the maximum reserve percentages (including any marginal, special, emergency or supplemental reserves) expressed as a decimal established by the Board and any other banking authority to which the Administrative Agent is subject for new negotiable nonpersonal time deposits in dollars of over \$100,000 with maturities approximately equal to three months. Such reserve percentages shall include those imposed pursuant to such Regulation D of the Board. Statutory Reserves shall be adjusted automatically on and as of the effective date of any change in any reserve percentage.

"Subsidiary" shall mean, with respect to any person (herein referred to as the "parent"), any corporation, partnership, association or other business entity of which securities or other ownership interests representing more than 50% of the Voting Stock or more than 50% of the general partnership interests are, at the time any determination is being made, owned, controlled or held by the parent or one or more Subsidiaries of the parent or by the parent and one or more Subsidiaries of the parent.

"Total Commitment" shall mean, at any time, the aggregate amount of the Commitments, as in effect at such time.

"2001 Five-Year Credit Agreement" shall mean the Amended and Restated Revolving Credit Agreement (Five-Year) dated as of April 27, 2001, and maturing on April 28, 2005, among Alcoa, the lenders party thereto, JPMorgan Chase Bank (formerly The Chase Manhattan Bank), as Administrative Agent, and J.P. Morgan Securities Inc. (formerly JPMorgan), as lead arranger and bookrunner.

"2003 364-Day Credit Agreement" shall mean the Revolving Credit Agreement (364-Day) dated as of April 25, 2003 and maturing on April 23, 2004, among Alcoa, the lenders party thereto, JPMorgan Chase Bank, as Administrative Agent, and J.P. Morgan Securities Inc., as lead arranger and bookrunner.

"Type", when used in respect of any Loan or Borrowing, shall refer to the Rate by reference to which interest on such Loan or on the Loans comprising such Borrowing is determined. For purposes hereof, "Rate" shall mean the LIBO Rate and the Alternate Base Rate.

"Voting Stock" with respect to the stock of any person means stock of any class or classes (however designated) having ordinary voting power for the election of the directors of such person, other than stock having such power only by reason of the occurrence of a contingency.

"Withdrawal Liability" shall mean liability to a Multiemployer Plan as a result of a complete or partial withdrawal from such Multiemployer Plan, as such terms are defined in Part I of Subtitle E of Title IV of ERISA.

SECTION 1.02. Terms Generally; Accounting Principles. The definitions in Section 1.01 shall apply equally to both the singular and plural forms of the terms defined. Whenever the context may require, any pronoun shall include the corresponding masculine, feminine and neuter forms. The words "include", "includes" and "including" shall be deemed to be followed by the phrase "without limitation". All references herein to Articles, Sections, Exhibits and Schedules shall be deemed references to Articles and Sections of, and Exhibits and Schedules to, this Agreement unless the context shall otherwise require, and all references herein to the "date hereof" or the "date of this Agreement" shall be construed as referring to April 25, 2003. Except as otherwise expressly provided herein, all terms of an accounting or financial nature shall be construed in accordance with GAAP, as in effect from time to time; provided, however, that, if Alcoa notifies the Administrative Agent that it requests an amendment to any

provision hereof to eliminate the effect of any change in GAAP on the operation of such provision (or if the Administrative Agent notifies Alcoa that the Required Lenders request an amendment to any provision hereof for such purpose), regardless of whether any such notice is given before or after such change in GAAP (provided such change in GAAP occurs after the date hereof), then such provision shall be interpreted on the basis of GAAP in effect immediately before such change became effective until such notice shall have been withdrawn or such provision amended in accordance herewith.

ARTICLE II

THE CREDITS

SECTION 2.01. Commitments. Subject to the terms and conditions and relying upon the representations and warranties herein set forth, each Lender agrees, severally and not jointly, to make revolving credit loans in dollars (the "Loans") to Alcoa and the Borrowing Subsidiaries, at any time and from time to time on or after the Effective Date and until the earlier of the Maturity Date and the termination of the Commitment of such Lender in accordance with the terms hereof; provided, however, that (i) after giving effect to any Loan, the aggregate principal amount of the outstanding Loans shall not exceed the Total Commitment and (ii) at all times the aggregate principal amount of all outstanding Loans made by each Lender shall equal its Pro Rata Percentage of the aggregate principal amount of all outstanding Loans. The Commitment of each Lender is set forth on Schedule 2.01 to this Agreement. Such Commitment may be terminated or reduced from time to time pursuant to Section 2.09. Within the limits set forth in the preceding sentence, the Borrowers may borrow, pay or prepay and reborrow Loans on or after the Effective Date and prior to the Maturity Date, subject to the terms, conditions and limitations set forth herein.

SECTION 2.02. Loans. (a) Each Loan shall be made as part of a Borrowing consisting of Loans made by the Lenders ratably in accordance with their respective applicable Commitments; provided, however, that the failure of any Lender to make any Loan shall not in itself relieve any other Lender of its obligation to lend hereunder (it being understood, however, that no Lender shall be responsible for the failure of any other Lender to make any Loan required to be made by such other Lender). The Loans comprising each Borrowing shall be in an aggregate principal amount which is an integral multiple of \$1,000,000 and not less than \$10,000,000 (or an aggregate principal amount equal to the remaining balance of the applicable Commitments, as the case may be).

(b) Each Borrowing shall be comprised entirely of LIBOR Loans or ABR Loans, as the applicable Borrower may request pursuant to Section 2.03. Each Lender may at its option fulfill its Commitment with respect to any Loan by causing any domestic or foreign branch or Affiliate of such Lender to make such Loan; provided, however, that any exercise of such option shall not affect the obligation of the applicable Borrower to repay such Loan in accordance with the terms of this Agreement. Borrowings of more than one Type may be outstanding at the same time; provided, however, that no Borrower shall be entitled to request any Borrowing which, if made,

would result in an aggregate of more than five separate LIBOR Loans of any Lender being made to the Borrowers and outstanding under this Agreement at any one time. For purposes of the foregoing, Loans having different Interest Periods, regardless of whether they commence on the same date, shall be considered separate Loans.

(c) Except as otherwise provided in Section 2.10, each Lender shall make each Loan that is (A) an ABR Loan or (B) a LIBOR Loan, to be made by it hereunder on the proposed date thereof by wire transfer of immediately available funds to the Administrative Agent in New York, New York, not later than 2:00 p.m., New York City time, and the Administrative Agent shall by 4:00 p.m., New York City time, credit the amounts so received to the general deposit account of the Borrower to which such Loan is to be made with Mellon Bank, N.A., or such other account as such Borrower may designate in a written notice to the Administrative Agent, or, if such Loans are not made on such date because any condition precedent to a Borrowing herein specified shall not have been met, return the amounts so received to the respective Lenders. Unless the Administrative Agent shall have received notice from a Lender prior to the time of any Borrowing that such Lender will not make available to the Administrative Agent such Lender's portion of such Borrowing, the Administrative Agent may assume that such Lender has made such portion available to the Administrative Agent on the date of such Borrowing in accordance with this paragraph (c) and the Administrative Agent may, in reliance upon such assumption, make available to the applicable Borrower on such date a corresponding amount. If and to the extent that such Lender shall not have made such portion available to the Administrative Agent, such Lender and the applicable Borrower severally agree to repay to the Administrative Agent forthwith on demand such corresponding amount together with interest thereon, for each day from the date such amount is made available to such Borrower until the date such amount is repaid to the Administrative Agent, at (i) in the case of such Borrower, the interest rate applicable at the time to the Loans comprising such Borrowing and (ii) in the case of such Lender, a rate determined by the Administrative Agent to represent its cost of overnight or short-term funds (which determination shall be conclusive absent manifest error). If such Lender shall repay to the Administrative Agent such corresponding amount, such amount shall constitute such Lender's Loan as part of such Borrowing for purposes of this Agreement.

(d) Notwithstanding any other provision of this Agreement, no Borrower shall be entitled to request any Borrowing if the Interest Period requested with respect thereto would end after the Maturity Date.

SECTION 2.03. Notice of Borrowings. In order to request a Borrowing, a Borrower shall give written or telecopy notice (or telephone notice promptly confirmed in writing or by telecopy) (a) in the case of an ABR Borrowing, to the Administrative Agent not later than 12:00 noon, New York City time, on the Business Day of such proposed Borrowing, (b) in the case of a LIBOR Borrowing, to the Administrative Agent not later than 10:00 a.m., New York City time, three Business Days before such proposed Borrowing. Such notice shall be irrevocable and shall in each case refer to this Agreement, identify the applicable Borrower and specify (i) whether such Borrowing is to be a LIBOR Borrowing or an ABR Borrowing; (ii) the date of such Borrowing (which

shall be a Business Day) and the amount thereof; and (iii) if such Borrowing is to be a LIBOR Borrowing, the Interest Period with respect thereto. If no election as to the Type of Borrowing is specified in any such notice, then the requested Borrowing shall be an ABR Borrowing. If no Interest Period with respect to any LIBOR Borrowing is specified in any such notice, then the Borrower giving the notice of Borrowing shall be deemed to have selected an Interest Period of one month's duration. If a Borrower shall not have given notice in accordance with this Section 2.03 of its election to refinance a Borrowing prior to the end of the Interest Period in effect for such Borrowing, then the Borrower shall (unless such Borrowing is repaid at the end of such Interest Period) be deemed to have given notice of an election to refinance such Borrowing with an ABR Borrowing. The Administrative Agent shall promptly advise the Lenders of any notice given pursuant to this Section 2.03 and of each Lender's portion of the requested Borrowing.

SECTION 2.04. Evidence of Debt; Repayment of Loans. (a) The outstanding principal balance of each Loan shall be payable on the earlier of the last day of the Interest Period applicable to such Loan or the Maturity Date.

(b) Each Lender shall maintain in accordance with its usual practice an account or accounts evidencing the indebtedness of each Borrower to such Lender resulting from each Loan made by such Lender from time to time, including the amounts of principal and interest payable and paid such Lender from time to time under this Agreement.

(c) The Administrative Agent shall maintain accounts in which it will record (i) the amount of each Loan made to a Borrower hereunder, (ii) the Type of each such Loan and the Interest Period applicable thereto, (iii) the amount of any principal or interest due and payable or to become due and payable from the applicable Borrower to each Lender hereunder and (iv) the amount of any sum received by the Administrative Agent hereunder from any Borrower and each Lender's share thereof.

(d) The entries made in the accounts maintained pursuant to paragraphs (b) and (c) above shall be prima facie evidence of the existence and amounts of the obligations therein recorded; provided, however, that the failure of any Lender or the Administrative Agent to maintain such accounts or any error therein shall not in any manner affect the obligation of any Borrower to repay the Loans in accordance with their terms.

(e) Notwithstanding any other provision of this Agreement, in the event any Lender shall request a promissory note evidencing the Loans made by it hereunder to Alcoa or any Borrowing Subsidiary, the Borrower shall deliver such a note, satisfactory to the Administrative Agent, payable to such Lender and its registered assigns, and the interests represented by such note shall at all times (including after any assignment of all or part of such interests pursuant to Section 10.04) be represented by one or more promissory notes payable to the payee named therein or its registered assigns.

SECTION 2.05. Fees. (a) Alcoa will pay to each Lender, through the Administrative Agent, on the last day of March, June, September and December in each

year, and on the date on which the Commitment of such Lender shall be terminated as provided herein, a facility fee (the "Facility Fee") at a rate per annum equal to the Facility Fee Percentage from time to time in effect on the aggregate amount of the Commitment of such Lender, whether used or unused, from time to time in effect during the preceding quarter (or shorter period commencing with the date hereof or ending with the Maturity Date or the date on which the Commitment of such Lender shall be terminated). All Facility Fees shall be computed on the basis of the actual number of days elapsed in a year of 360 days. The Facility Fee due to each Lender shall commence to accrue on the date hereof and shall cease to accrue on the date on which the Commitment of such Lender shall be terminated as provided herein.

(b) Alcoa agrees to pay to the Administrative Agent, for its own account, the fees payable in the amounts and at the times separately agreed upon between Alcoa and the Administrative Agent.

(c) All fees shall be paid on the dates due, in immediately available funds, to the Administrative Agent, for distribution, if and as appropriate, among the Lenders. Once paid, the fees shall not be refundable except in the case of an error which results in the payment of fees in excess of those due and payable as of such date, in which case the Administrative Agent shall cause a refund in the amount of such excess to be paid to Alcoa.

SECTION 2.06. Interest on Loans. (a) Subject to the provisions of Section 2.07, the unpaid principal amount of the Loans comprising each ABR Borrowing shall bear interest for each day (computed on the basis of the actual number of days elapsed over a year of 365 or 366 days, as the case may be, when the Alternate Base Rate is determined by reference to the Prime Rate and over a year of 360 days at all other times) at a rate per annum equal to the Alternate Base Rate.

(b) Subject to the provisions of Section 2.07, the unpaid principal amount of the Loans comprising each LIBOR Borrowing shall bear interest (computed on the basis of the actual number of days elapsed over a year of 360 days) at a rate per annum equal to the LIBO Rate for the Interest Period in effect for such Borrowing plus the Applicable Margin.

(c) Interest on each Loan shall be payable on the Interest Payment Dates applicable to such Loan except as otherwise provided in this Agreement. Interest shall accrue from and including the first day of an Interest Period to but excluding the last day of such Interest Period. The applicable LIBO Rate or Alternate Base Rate for each Interest Period or day within an Interest Period, as the case may be, shall be determined by the Administrative Agent, and such determination shall be conclusive absent manifest error.

SECTION 2.07. Default Interest. If any Borrower shall default in the payment of the principal of or interest on any Loan or any other amount becoming due hereunder, by acceleration or otherwise, such Borrower shall on demand from time to time pay interest, to the extent permitted by law, on such defaulted amount up to (but not

including) the date of actual payment (after as well as before judgment) at a rate per annum equal to (a) in the case of overdue principal of any Loan, the rate otherwise applicable to such Loan as provided in Section 2.06 plus 2% per annum, or (b) in the case of any other amount, the rate applicable to ABR Borrowings plus 2% per annum.

SECTION 2.08. Alternate Rate of Interest. In the event, and on each occasion, that on the day two Business Days prior to the commencement of any Interest Period for a LIBOR Loan, the Administrative Agent shall have determined in good faith that dollar deposits in the principal amounts of the Loans comprising such Borrowing are not generally available in the London interbank market or other market in which Lenders ordinarily raise dollars to fund Loans of the requested Type, or that the rates at which such dollar deposits are being offered will not adequately and fairly reflect the cost to any Lender of making or maintaining its LIBOR Loan during such Interest Period, or that reasonable means do not exist for ascertaining the LIBO Rate, then the Administrative Agent shall, as soon as practicable thereafter, give written or telecopy notice of such determination to the relevant Borrower and Lenders. In the event of any such determination, any request made by a Borrower after the date of such notice for a LIBOR Borrowing pursuant to Section 2.03 or 2.10 shall, until the Administrative Agent shall have advised the Borrowers and the Lenders that the circumstances giving rise to such notice no longer exist, be deemed to be a request for an ABR Borrowing. Each determination by the Administrative Agent hereunder shall be conclusive absent manifest error.

SECTION 2.09. Termination and Reduction of Commitments. (a) The Commitments shall be automatically terminated on the Maturity Date.

(b) Upon at least 10 Business Days' prior irrevocable, written or telecopy notice to the Administrative Agent, Alcoa may at any time in whole permanently terminate, or from time to time in part permanently reduce, the Total Commitment; provided, however, that (i) each partial reduction shall be in an integral multiple of \$1,000,000 and in a minimum principal amount of \$10,000,000 and (ii) the Total Commitment shall not be reduced to an amount that is less than the aggregate principal amount of the outstanding Loans (after giving effect to any simultaneous prepayment pursuant to Section 2.11).

(c) Each reduction in Commitments hereunder shall be made ratably among the Lenders in accordance with each such Lender's Pro Rata Percentage of the Total Commitment. Alcoa shall pay to the Administrative Agent for the account of the applicable Lenders, on the date of each such termination or reduction, the Facility Fees on the amount of the Commitments so terminated or reduced accrued to the date of such termination or reduction.

SECTION 2.10. Refinancings. Any Borrower may refinance all or any part of any Loan made to it with a Loan of the same or a different Type made pursuant to the same Commitments, subject to the conditions and limitations set forth in this Agreement. Any Borrowing or part thereof so refinanced shall be deemed to have been repaid or prepaid in accordance with Section 2.04 or 2.11, as applicable, with the

proceeds of a new Borrowing; and the proceeds of the new Borrowing, to the extent they do not exceed the principal amount of the Borrowing being refinanced, shall not be paid by the applicable Lenders to the Administrative Agent or by the Administrative Agent to the applicable Borrower pursuant to Section 2.02(c).

SECTION 2.11. Prepayment. (a) Each Borrower shall have the right at any time and from time to time to prepay any Borrowing, in whole or in part, upon at least three Business Days' prior written or teletype notice (or telephone notice promptly confirmed by written or teletype notice) to the Administrative Agent; provided, however, that each partial prepayment shall be in an amount which is an integral multiple of \$1,000,000 and not less than \$10,000,000.

(b) On the date of any termination or reduction of any Commitments pursuant to Section 2.09, the Borrowers shall pay or prepay so much of the Loans, as shall be necessary in order that, after giving effect to such reduction or termination, the aggregate principal amount of the outstanding Loans shall not exceed the Total Commitment.

(c) Each notice of prepayment shall specify the prepayment date and the principal amount of each Loan (or portion thereof) to be prepaid, shall be irrevocable and shall commit the applicable Borrower to prepay the Loan to which such notice relates by the amount stated therein on the date stated therein. All prepayments under this Section 2.11 shall be subject to Section 2.14 but otherwise without premium or penalty. All prepayments under this Section 2.11 shall be accompanied by accrued interest on the principal amount being prepaid to the date of payment.

SECTION 2.12. Reserve Requirements; Change in Circumstances. (a) Notwithstanding any other provision herein other than Section 2.14(c), if after the date of this Agreement any change in applicable law or regulation or in the interpretation or administration thereof by any Governmental Authority charged with the interpretation or administration thereof (whether or not having the force of law) shall change the basis of taxation of payments to any Lender of the principal of or interest on any LIBOR Loan made by such Lender or any fees or other amounts payable hereunder (other than changes in respect of taxes imposed on the overall net income of such Lender by the jurisdiction in which such Lender has its principal office or by any political subdivision or taxing authority therein), or shall impose, modify or deem applicable any reserve, special deposit or similar requirement against assets of, deposits with or for the account of or credit extended by such Lender (except any such reserve requirement which is reflected in the LIBO Rate or the Base CD Rate) or shall impose on such Lender or the London interbank market or other market in which Lenders ordinarily raise dollars to fund Loans of the requested Type any other condition affecting this Agreement or LIBOR Loans made by such Lender, and the result of any of the foregoing shall be to increase the cost to such Lender of funding, making or maintaining any LIBOR Loan or to reduce the amount of any sum received or receivable by such Lender hereunder (whether of principal, interest or otherwise) by an amount deemed by such Lender to be material, then Alcoa will pay or cause the other Borrowers to pay to such Lender upon demand such

additional amount or amounts as will compensate such Lender for such additional costs incurred or reduction suffered.

(b) If any Lender shall have determined that the applicability of any law, rule, regulation, agreement or guideline adopted after the date of this Agreement pursuant to the July 1988 report of the Basle Committee on Banking Regulations and Supervisory Practices entitled "International Convergence of Capital Measurement and Capital Standards", or the adoption after the date hereof of any other law, rule, regulation, agreement or guideline regarding capital adequacy, or any change in any of the foregoing or in the interpretation or administration of any of the foregoing by any governmental authority, central bank or comparable agency charged with the interpretation or administration thereof, or compliance by any Lender (or any lending office of such Lender) or any Lender's holding company with any request or directive regarding capital adequacy (whether or not having the force of law) of any such authority, central bank or comparable agency, has or would have the effect of reducing the rate of return on such Lender's capital or on the capital of such Lender's holding company, if any, as a consequence of this Agreement or the Loans made by such Lender pursuant hereto to a level below that which such Lender or such Lender's holding company could have achieved but for such applicability, adoption, change or compliance (taking into consideration such Lender's policies and the policies of such Lender's holding company with respect to capital adequacy) by an amount deemed by such Lender to be material, then from time to time Alcoa shall pay or cause the other Borrowers to pay to such Lender such additional amount or amounts as will compensate such Lender or such Lender's holding company for any such reduction suffered.

(c) A certificate of each Lender setting forth such amount or amounts as shall be necessary to compensate such Lender or its holding company as specified in paragraph (a) or (b) above, as the case may be, together with a statement of reasons for such demand and showing the calculation for such amounts shall be delivered to Alcoa and shall be conclusive absent manifest error. Alcoa shall pay or cause to be paid to each Lender the amount shown as due on any such certificate delivered by it within 10 days after its receipt of the same.

(d) Except as provided in this paragraph, failure on the part of any Lender to demand compensation for any increased costs or reduction in amounts received or receivable or reduction in return on capital with respect to any period shall not constitute a waiver of such Lender's right to demand compensation with respect to such period or any other period. The protection of this Section 2.12 shall be available to each Lender regardless of any possible contention of the invalidity or inapplicability of the law, rule, regulation, guideline or other change or condition which shall have occurred or been imposed. No Lender shall be entitled to compensation under this Section 2.12 for any costs incurred or reductions suffered with respect to any date unless it shall have notified Alcoa that it will demand compensation for such costs or reductions under paragraph (c) above not more than 60 days after the later of (i) such date and (ii) the date on which it shall have or reasonably should have become aware of such costs or reductions. In the event a Borrower shall reimburse any Lender pursuant to this Section 2.12 for any cost and the Lender shall subsequently receive a refund in respect thereof, the Lender shall so

notify such Borrower and shall pay to such Borrower the portion of such refund which it shall determine in good faith to be allocable to the cost so reimbursed.

SECTION 2.13. Change in Legality. (a) Notwithstanding any other provision herein other than Section 2.14(c), if any change in any law or regulation or in the interpretation thereof by any Governmental Authority charged with the administration or interpretation thereof shall make it unlawful for any Lender to make or maintain any LIBOR Loan or to give effect to its obligations as contemplated hereby with respect to any LIBOR Loan, then, by written or telecopy notice to Alcoa and the Administrative Agent, such Lender may:

(i) declare that LIBOR Loans will not thereafter be made by such Lender hereunder, whereupon any request by a Borrower for a LIBOR Borrowing shall, as to such Lender only, be deemed a request for an ABR Loan unless such declaration shall be subsequently withdrawn; and

(ii) require that all outstanding LIBOR Loans made by it be converted to ABR Loans, in which event all such LIBOR Loans shall automatically be so converted as of the effective date of such notice as provided in paragraph (b) below.

In the event any Lender shall exercise its rights under clause (i) or (ii) above, all payments and prepayments of principal which would otherwise have been applied to repay the LIBOR Loans that would have been made by such Lender or the converted LIBOR Loans of such Lender shall instead be applied to repay the Loans made by such Lender in lieu of, or resulting from the conversion of, such LIBOR Loans.

(b) For purposes of this Section 2.13, a notice by any Lender shall be effective as to each LIBOR Loan, if lawful, on the last day of the Interest Period applicable to such LIBOR Loan; in all other cases such notice shall be effective on the date of receipt.

SECTION 2.14. Indemnity. Alcoa shall indemnify or cause the other Borrowers to indemnify each Lender against any loss or expense which such Lender may sustain or incur as a consequence of (a) any failure to fulfill on the date of any borrowing hereunder the applicable conditions set forth in Article IV, (b) any failure by a Borrower to borrow or refinance any Loan hereunder after irrevocable notice of such borrowing or refinancing has been given pursuant to Section 2.03, (c) any payment, prepayment or refinancing of a LIBOR Loan required by any other provision of this Agreement or otherwise made or deemed made on a date other than the last day of the Interest Period applicable thereto, other than any loss of profit resulting from any event, circumstance or condition set forth in Section 2.12 or 2.13, (d) any default in payment or prepayment of the principal amount of any Loan or any part thereof or interest accrued thereon, as and when due and payable (at the due date thereof, whether by scheduled maturity, acceleration, irrevocable notice of prepayment or otherwise) or (e) the occurrence of any Event of Default, including, in each such case, any loss or reasonable expense sustained or incurred or to be sustained or incurred in liquidating or employing deposits from third

parties acquired to effect or maintain such Loan or any part thereof as a LIBOR Loan. Such loss or reasonable expense shall include an amount equal to the excess, if any, as reasonably determined by such Lender, of (i) its cost of obtaining the funds for the Loan being paid, prepaid, refinanced or not borrowed (assumed to be the LIBO Rate applicable thereto) for the period from the date of such payment, prepayment, refinancing or failure to borrow or refinance to the last day of the Interest Period for such Loan (or, in the case of a failure to borrow or refinance the Interest Period for such Loan which would have commenced on the date of such failure) over (ii) the amount of interest (as reasonably determined by such Lender) that would be realized by such Lender in reemploying the funds so paid, prepaid or not borrowed or refinanced for such period or Interest Period, as the case may be. A certificate of any Lender setting forth any amount or amounts which such Lender is entitled to receive pursuant to this Section together with a statement of reasons for such demand and the calculation of such amount or amounts shall be delivered to Alcoa and shall be conclusive absent manifest error.

SECTION 2.15. Pro Rata Treatment. Except as required under Section 2.13, each Borrowing, each payment or prepayment of principal of any Borrowing, each payment of interest on the Loans, each payment of the Facility Fees, each reduction of Commitments and each conversion or continuation of any Borrowing with a Borrowing of any Type shall be allocated pro rata among the Lenders in accordance with their respective applicable Commitments (or, if such Commitments shall have expired or been terminated, in accordance with the respective principal amounts of their applicable outstanding Loans). Each Lender agrees that in computing such Lender's portion of any Borrowing to be made hereunder, the Administrative Agent may, in its discretion, round each Lender's percentage of such Borrowing, computed in accordance with Schedule 2.01, to the next higher or lower whole dollar amount.

SECTION 2.16. Sharing of Setoffs. Each Lender agrees that if it shall, through the exercise of a right of banker's lien, setoff or counterclaim against any Borrower, or pursuant to a secured claim under Section 506 of Title 11 of the United States Code or other security or interest arising from, or in lieu of, such secured claim, received by such Lender under any applicable bankruptcy, insolvency or other similar law or otherwise, or by any other means, obtain payment (voluntary or involuntary) in respect of any Loan or Loans as a result of which the unpaid principal portion of its Loans shall be proportionately less than the unpaid principal portion of the Loans of any other Lender, it shall be deemed simultaneously to have purchased from such other Lender at face value, and shall promptly pay to such other Lender the purchase price for, a participation in the Loans of such other Lender, so that the aggregate unpaid principal amount of the Loans and participations in Loans held by each Lender shall be in the same proportion to the aggregate unpaid principal amount of all Loans then outstanding as the principal amount of its Loans prior to such exercise of banker's lien, setoff or counterclaim or other event was to the principal amount of all Loans outstanding prior to such exercise of banker's lien, setoff or counterclaim or other event; provided, however, that, if any such purchase or purchases or adjustments shall be made pursuant to this Section and the payment giving rise thereto shall thereafter be recovered, such purchase or purchases or adjustments shall be rescinded to the extent of such recovery and the purchase price or prices or adjustment restored without interest. Alcoa and each other

Borrower expressly consent to the foregoing arrangements and agree that any Lender holding a participation in a Loan deemed to have been so purchased may exercise any and all rights of banker's lien, setoff or counterclaim with respect to any and all moneys owing by Alcoa or such other Borrower to such Lender by reason thereof as fully as if such Lender had made a Loan directly to Alcoa or such Borrower in the amount of such participation.

SECTION 2.17. Payments. (a) Each payment or prepayment by any Borrower of the principal of or interest on any Loans, any fees payable to the Administrative Agent or the Lenders or any other amounts due hereunder (other than amounts referred to in clause (b) below) shall be made, without setoff or counterclaim, not later than 12:00 (noon), New York City time, on the date when due in dollars to the Administrative Agent at its offices at 270 Park Avenue, New York, New York, in immediately available funds.

(b) Whenever any payment (including principal of or interest on any Borrowing or any fees or other amounts) hereunder shall become due, or otherwise would occur, on a day that is not a Business Day, such payment may be made on the next succeeding Business Day, and such extension of time shall in such case be included in the computation of interest or fees, if applicable.

SECTION 2.18. Taxes. (a) Any and all payments by or on behalf of a Borrower hereunder shall be made free and clear of and without deduction for any and all present or future taxes, levies, imposts, deductions, charges or withholdings, and all liabilities with respect thereto, excluding taxes imposed on the net income of the Administrative Agent or any Lender (or any transferee or assignee thereof, including a participation holder (any such entity a "Transferee")) and franchise taxes imposed on the Administrative Agent or any Lender (or Transferee) in each case by the United States or any jurisdiction under the laws of which the Administrative Agent or any such Lender (or Transferee) is organized or any political subdivision thereof (all such nonexcluded taxes, levies, imposts, deductions, charges, withholdings and liabilities, collectively or individually, "Taxes"). If any Borrower shall be required by law to deduct any Taxes from or in respect of any sum payable hereunder to the Lenders (or any Transferee) or the Administrative Agent, (i) the sum payable shall be increased by the amount necessary so that after making all required deductions (including deductions applicable to additional sums payable under this Section 2.18) such Lender (or Transferee) or the Administrative Agent (as the case may be) shall receive an amount equal to the sum it would have received had no such deductions been made, (ii) such Borrower shall make such deductions and (iii) such Borrower shall pay the full amount deducted to the relevant taxing authority or other Governmental Authority in accordance with applicable law; provided, however, that no Transferee of any Lender shall be entitled to receive any greater payment under this paragraph (a) than such Lender would have been entitled to receive immediately before assignment, participation or other transfer with respect to the rights assigned, participated or transferred unless such assignment, participation or transfer shall have been made (A) prior to the occurrence of an event (including any change in treaty, law or regulation) giving rise to such greater payment or (B) at the request of Alcoa.

(b) In addition, each Borrower agrees to pay any present or future stamp or documentary taxes or any other excise or property taxes, charges or similar levies which arise from any payment made hereunder or from the execution, delivery or registration of, or otherwise with respect to, this Agreement (hereinafter referred to as "Other Taxes").

(c) Each Borrower will indemnify each Lender (or Transferee) and the Administrative Agent for the full amount of Taxes and Other Taxes paid by such Lender (or Transferee) or the Administrative Agent, as the case may be, and any liability (including penalties, interest and expenses) arising therefrom or with respect thereto, whether or not such Taxes or Other Taxes were correctly or legally asserted by the relevant taxing authority or other Governmental Authority. Such indemnification shall be made within 30 days after the date any Lender (or Transferee) or the Administrative Agent, as the case may be, makes written demand therefor, together with a statement of reasons for such demand and the calculations of such amount.

(d) Within 30 days after the date of any payment of Taxes or Other Taxes withheld by any Borrower in respect of any payment to any Lender (or Transferee) or the Administrative Agent, such Borrower will furnish to the Administrative Agent, at its address referred to in Section 10.01, the original or a certified copy of a receipt evidencing payment thereof.

(e) Without prejudice to the survival of any other agreement contained herein, the agreements and obligations contained in this Section 2.18 shall survive the payment in full of the principal of and interest on all Loans made hereunder.

(f) Each Lender (or Transferee) represents to Alcoa that, on the date such Lender (or such Transferee) becomes a party to this Agreement, it is eligible to receive payments of interest hereunder from Alcoa or any Borrowing Subsidiary without withholding in respect of United States Federal withholding tax (except, in the case of a Transferee of any Lender, as a result of the occurrence of an event (including a change in treaty, law or regulation) after the date of this Agreement giving rise to withholding to which such Lender would be subject).

(g) Each Lender (or Transferee, other than a Transferee described in the exception in Section 2.18(f)) that is organized under the laws of a jurisdiction outside the United States shall, on or before the date it becomes a party to this Agreement (or, in the case of a Transferee that is a participation holder, on or before the date such Transferee becomes a participation holder hereunder), deliver to Alcoa and the Administrative Agent such certificates, documents or other evidence, as required by the Code or Treasury Regulations issued pursuant thereto, including Internal Revenue Service Form W8-BEN, Form W-8ECI, or any other certificate or statement of exemption required by Treasury Regulation Section 1.1441-1, 1.1441-4 or 1.1441-6(c) or any subsequent version thereof or successors thereto, properly completed and duly executed by such Lender (or Transferee) establishing that payment is (i) not subject to United States Federal withholding tax under the Code because such payments are effectively connected with the conduct by such Lender (or Transferee) of a trade or business in the United States or

(ii) totally exempt from United States Federal withholding tax under a provision of an applicable tax treaty. In addition, each such Lender (or such Transferee) shall, if legally able to do so, thereafter deliver such certificates, documents or other evidence from time to time establishing that payments received hereunder are not subject to such withholding upon receipt of a written request therefor from Alcoa or the Administrative Agent. Unless Alcoa and the Administrative Agent have received forms or other documents satisfactory to them indicating that payments hereunder are not subject to United States Federal withholding tax, Alcoa or the Administrative Agent shall withhold such taxes from such payments at the applicable statutory rate, subject to Section 2.18(a).

(h) None of the Borrowers shall be required to pay any additional amounts to any Lender (or Transferee) in respect of United States Federal withholding tax pursuant to paragraph (a) above to the extent that the obligation to pay such additional amounts would not have arisen but for a failure by such Lender (or Transferee) to deliver the certificates, documents or other evidence required to be delivered under the preceding paragraph (g) unless such failure is attributable to (i) a change in applicable law, regulation or official interpretation thereof or (ii) an amendment or modification to or a revocation of any applicable tax treaty or a change in official position regarding the application or interpretation thereof, in each case on or after the date such Lender (or Transferee) became a party to this Agreement.

(i) Any Lender (or Transferee) claiming any additional amounts payable pursuant to this Section 2.18 shall use reasonable efforts (consistent with legal and regulatory restrictions) to file any certificate or document requested in writing by the relevant Borrower or to change the jurisdiction of its applicable lending office if the making of such a filing or change would avoid the need for or reduce the amount of any such additional amounts which may thereafter accrue and would not, in the sole determination of such Lender (or Transferee), be otherwise disadvantageous to such Lender (or Transferee).

(j) If a Lender (or Transferee) or the Administrative Agent shall become aware that it may be entitled to receive a refund in respect of Taxes or Other Taxes as to which it has been indemnified by a Borrower pursuant to this Section 2.18, it shall promptly notify Alcoa of the availability of such refund and shall, within 30 days after receipt of a request by Alcoa, apply for such refund at Alcoa's expense. If any Lender (or Transferee) or the Administrative Agent receives a refund in respect of any Taxes or Other Taxes as to which it has been indemnified by a Borrower pursuant to this Section 2.18, it shall promptly repay such refund to such Borrower (to the extent of amounts that have been paid by such Borrower under this Section 2.18 with respect to such refund), net of all out-of-pocket expenses (including taxes imposed with respect to such refund) of such Lender (or Transferee) or the Administrative Agent and without interest; provided, however, that such Borrower, upon the request of such Lender (or Transferee) or the Administrative Agent, agrees to return such refund (plus penalties, interest or other charges) to such Lender (or Transferee) or the Administrative Agent in the event such Lender (or Transferee) or the Administrative Agent is required to repay such refund.

(k) Nothing contained in this Section 2.18 shall require any Lender (or Transferee) or the Administrative Agent to make available any of its tax returns (or any other information relating to its taxes which it deems to be confidential).

(l) No Borrower shall be required to reimburse any Lender (or Transferee) or the Administrative Agent with respect to any Tax or Other Tax unless such Lender, Transferee or the Administrative Agent notifies such Borrower of the amount of such Tax or Other Tax on or before the second anniversary of the date such Lender, Transferee or the Administrative Agent pays such Tax or Other Tax.

SECTION 2.19. Assignment of Commitments Under Certain Circumstances.

In the event that any Lender shall have delivered a notice or certificate pursuant to Section 2.12 or 2.13, or a Borrower shall be required to make additional payments to any Lender under Section 2.18, Alcoa shall have the right, at its own expense, upon notice to such Lender and the Administrative Agent, to require such Lender to transfer and assign without recourse (in accordance with and subject to the restrictions contained in Section 10.04) all its interests, rights and obligations under this Agreement to another financial institution which shall assume such obligations; provided, however, that (i) no such assignment shall conflict with any law, rule or regulation or order of any Governmental Authority and (ii) Alcoa or the assignee, as the case may be, shall pay (or, in the case of Alcoa, cause another Borrower to pay) to the affected Lender in immediately available funds on the date of such termination or assignment the principal of and interest accrued to the date of payment on the Loans made by it hereunder and all other amounts accrued for its account or owed to it hereunder.

ARTICLE III

REPRESENTATIONS AND WARRANTIES

Each Borrower represents and warrants to each of the Lenders with respect to itself as follows (except that the Borrowing Subsidiaries make no representations or warranties under Section 3.06 or 3.09):

SECTION 3.01. Organization. Such Borrower is a corporation duly organized, validly existing and, where applicable, in good standing under the laws of its jurisdiction of incorporation and is duly qualified to do business as a foreign corporation and, where applicable, is in good standing in all other jurisdictions in which the ownership of its properties or the nature of its activities or both makes such qualification necessary, except to the extent that failure to be so qualified would not result in a Material Adverse Effect.

SECTION 3.02. Authorization. Such Borrower has corporate power and authority to execute, deliver and carry out the provisions of this Agreement to which it is a party, to borrow hereunder and to perform its obligations hereunder and all such action has been duly and validly authorized by all necessary corporate proceedings on its part.

SECTION 3.03. Enforceability. This Agreement has been duly executed and delivered by such Borrower and constitutes the legal, valid and binding obligation of such Borrower enforceable in accordance to its terms, except as limited by bankruptcy, insolvency or other similar laws of general application affecting the enforcement of creditors' rights or by general principles of equity limiting the availability of equitable remedies.

SECTION 3.04. Governmental Approvals. No authorization, consent, approval, license, exemption or other action by, and no registration, qualification, designation, declaration or filing with, any Governmental Authority is necessary in connection with such Borrower's execution and delivery of this Agreement, the consummation by any Borrower of the transactions contemplated hereby or such Borrower's performance of or compliance with the terms and conditions hereof, except as set forth on Schedule 3.04.

SECTION 3.05. No Conflict. None of the execution and delivery by such Borrower of this Agreement, the consummation by such Borrower of the transactions contemplated hereby or performance by such Borrower of or compliance by such Borrower with the terms and conditions hereof or thereof will (a) violate any law, constitution, statute, treaty, regulation, rule, ordinance, order, injunction, writ, decree or award of any Governmental Authority to which it is subject, (b) conflict with or result in a breach or default under its charter or Memorandum and Articles of Association or by-laws, as applicable, (c) conflict with or result in a breach or default which is material in the context of this Agreement under any agreement or instrument to which such Borrower is a party or by which it or any of its properties, whether now owned or hereafter acquired, may be subject or bound or (d) result in the creation or imposition of any Lien prohibited by Section 6.01 upon any property or assets, whether now owned or hereafter acquired, of such Borrower.

SECTION 3.06. Financial Statements. In the case of Alcoa, it has furnished to the Lenders copies of its consolidated balance sheet as of December 31, 2002, and the related consolidated statements of income and cash flow for the year then ended, all examined and certified by PricewaterhouseCoopers, LLP. Such financial statements (including the notes thereto) present fairly the financial condition of Alcoa and its Subsidiaries as of such dates and the results of their operations for the periods then ended, all in conformity with GAAP, subject (in the case of the interim financial statements) to year-end audit adjustments.

SECTION 3.07. No Defaults. No event has occurred and is continuing and no condition exists which constitutes a Default or Event of Default hereunder. Such Borrower is not in violation of (i) any term of its charter or Constitution or by-laws, as applicable, or (ii) any material agreement or instrument to which it is a party or by which it or any of its properties may be subject or bound where such violation is likely to result in a Material Adverse Effect.

SECTION 3.08. Litigation. Except as set forth in the financial statements referred to in Section 3.06 or any Exchange Act Report or otherwise disclosed on

Schedule 3.08, there is no pending or, to the knowledge of any of its Responsible Officers, threatened proceeding by or before any Governmental Authority against it which in the opinion of its counsel is likely to result in a Material Adverse Effect. Except as set forth in the financial statements referred to in Section 3.06 or any Exchange Act Report or otherwise disclosed in Schedule 3.08, there is no pending or, to the knowledge of any of its Responsible Officers, threatened proceeding by or before any Governmental Authority against any of its Subsidiaries which in the opinion of its counsel is likely to result in a Material Adverse Effect.

SECTION 3.09. No Material Adverse Change. As of the date of this Agreement, there has been no material adverse change in the business, assets, operations or financial condition of itself and its Subsidiaries, taken as a whole except, in the case of Alcoa and the Borrowing Subsidiaries, as disclosed in any Exchange Act Report since December 31, 2002.

SECTION 3.10. Employee Benefit Plans. (a) U.S. Plans. It and each of its ERISA Affiliates is in compliance in all material respects with the applicable provisions of ERISA and the regulations and published interpretations thereunder. No Reportable Event has occurred as to which such Borrower or any ERISA Affiliate was required to file a report with the PBGC that alone or together with any other Reportable Event would reasonably be expected to result in a liability of such Borrower to the PBGC in an aggregate amount in excess of \$25,000,000. The aggregate present value of all benefit liabilities under the Plans (based on the assumptions used to fund such Plans) did not, as of the last annual valuation dates applicable thereto, exceed the aggregate value of the assets of the Plans by more than 10% of Consolidated Net Worth. Neither such Borrower nor any ERISA Affiliate has incurred any Withdrawal Liability that would reasonably be expected to result in a Material Adverse Effect. Neither such Borrower nor any ERISA Affiliate has received any notification that any Multiemployer Plan is in reorganization or has been terminated within the meaning of Title IV of ERISA, and no Responsible Officer of any Borrower has knowledge of any fact which would reasonably be expected to result in the reorganization or termination of a Multiemployer Plan where such reorganization or termination has resulted or would reasonably be expected to result, through increases in the contributions required to be made to such Plan or otherwise, in a Material Adverse Effect.

(b) Foreign Plans. Each Foreign Plan is in compliance in all material respects with all requirements of law applicable thereto and the respective requirements of the governing documents for such plan except to the extent such non-compliance could not reasonably be expected to result in a Material Adverse Effect. With respect to each Foreign Pension Plan, none of the Borrowers, their respective Affiliates or any of their directors, officers, employees or agents has engaged in a transaction which would subject any of the Borrowers, directly or indirectly, to a material tax or civil penalty which could reasonably be expected to result in a Material Adverse Effect. With respect to each Foreign Pension Plan, none of the Borrowers, their respective Affiliates or any of their directors, officers, employees or agents has engaged in a transaction which would subject any of the Borrowers, directly or indirectly, to a material tax or civil penalty which could reasonably be expected to result in a Material Adverse Effect. With respect to each

Foreign Plan, adequate reserves have been established in the financial statements furnished to Lenders in respect of any unfunded liabilities in accordance with applicable law and prudent business practice or, where required, in accordance with ordinary accounting practices in the jurisdiction in which such Foreign Plan is maintained. The aggregate unfunded liabilities, after giving effect to any such reserves for such liabilities, with respect to such Foreign Plans could not reasonably be expected to result in a Material Adverse Effect. There are no material actions, suits or claims (other than routine claims for benefits) pending or threatened against any of the Borrowers or any of their Affiliates with respect to any Foreign Plan which could reasonably be expected, individually or in the aggregate, to result in a Material Adverse Effect.

SECTION 3.11. Title to Properties; Possession Under Leases. (a) Such Borrower and each of its Subsidiaries have good and marketable title to, or valid leasehold interests in, all its material properties and assets, except for minor defects in title that do not materially interfere with its ability to conduct its business as currently conducted or to utilize such properties and assets for their intended purposes.

(b) Such Borrower and each of its Subsidiaries have complied with all material obligations under all material leases to which it is a party and all such leases are in full force and effect. Such Borrower and its Subsidiaries enjoy peaceful and undisturbed possession under all such material leases.

SECTION 3.12. Investment Company Act; Public Utility Holding Company Act. None of Alcoa or any Borrowing Subsidiary is an "investment company" as defined in, or subject to regulation under, the Investment Company Act of 1940. Alcoa is exempted as, and no Borrowing Subsidiary is, a "holding company" as defined in, or subject to regulation under, the Public Utility Holding Company Act of 1935.

SECTION 3.13. Tax Returns. Such Borrower and its Subsidiaries have filed or caused to be filed all Federal, state, local and foreign tax returns required to have been filed by it and have paid or caused to be paid all taxes shown to be due and payable on such returns or on any assessments received by it, except taxes that are being contested in good faith by appropriate proceedings and for which adequate reserves are maintained in accordance with GAAP.

SECTION 3.14. Compliance with Laws and Agreements. (a) Neither such Borrower nor any of its Subsidiaries is in violation of any law, rule or regulation, or in default with respect to any judgment, writ, injunction or decree of any Governmental Authority, where such violation or default would reasonably be expected to result in a Material Adverse Effect.

(b) Neither such Borrower nor any of its Subsidiaries is in default in any material manner under any provision of any indenture or other agreement or instrument evidencing Indebtedness, or any other material agreement or instrument to which it is a party or by which it or any of its properties or assets are or may be bound, where such default would be reasonably likely to result in a Material Adverse Effect.

SECTION 3.15. No Material Misstatements. Except for information not prepared by Alcoa and expressly disclaimed thereby, no report, financial statement, exhibit or schedule furnished by or on behalf of such Borrower to the Administrative Agent or any Lender in connection with the negotiation of this Agreement or included herein or delivered pursuant thereto contained or contains any material misstatement of fact or omitted or omits to state any material fact necessary to make the statements therein, in the light of the circumstances under which they were or are made, not misleading.

SECTION 3.16. Federal Reserve Regulations. The proceeds of any Loan will be used to provide working capital or for other general corporate purposes, including but not limited to the support of Alcoa's Commercial Paper program. No part of the proceeds of any Loan to such Borrower will be used, whether directly or indirectly, and whether immediately, incidentally or ultimately, for any purpose that entails a violation of any of the Regulations of the Board, including Regulations U and X.

SECTION 3.17. No Trusts. Such Borrower is not entering into this Agreement in its capacity as trustee of any trust.

ARTICLE IV

CONDITIONS OF EFFECTIVENESS, LENDING AND DESIGNATION OF BORROWING SUBSIDIARIES

The obligations of the Lenders to make Loans to any Borrower hereunder are subject to the satisfaction of the conditions set forth in Sections 4.01 and 4.02 below (and, in the case of Loans to any Borrowing Subsidiary, the satisfaction, as to such Borrowing Subsidiary, of the conditions set forth in Section 4.03 below):

SECTION 4.01. Effective Date. On the Effective Date:

(a) The Administrative Agent shall have received a written opinion of Thomas F. Seligson, Counsel of Alcoa, dated the Effective Date and addressed to the Lenders, to the effect set forth in Exhibit C hereto.

(b) All legal matters incident to this Agreement and the borrowings hereunder shall be satisfactory to the Lenders and to Cravath, Swaine & Moore LLP, counsel for the Administrative Agent.

(c) The Administrative Agent shall have received (i) a copy, including all amendments thereto, of the charter of Alcoa, certified as of a recent date by the Secretary of State or other appropriate official of its jurisdiction of incorporation and a certificate as to the good standing of Alcoa as of a recent date, from such Secretary of State or other official; (ii) a certificate of the Secretary or Assistant Secretary of Alcoa dated the Effective Date and certifying (A) that attached thereto is a true and complete copy of the by-laws of such corporation as in effect on the Effective Date showing all amendments thereto since the date of the resolutions described in clause (B) below, (B) that attached thereto is a true and complete copy of resolutions duly adopted by the Board of Directors

of such corporation authorizing the execution, delivery and performance of this Agreement and the borrowings by such corporation hereunder, and that such resolutions have not been modified, rescinded or amended and are in full force and effect, (C) that the charter of Alcoa has not been amended since the date of the last amendment thereto shown on the certificate of good standing furnished pursuant to clause (i) above and (D) as to the incumbency and specimen signature of each officer executing this Agreement or any other document delivered in connection herewith on behalf of such corporation; (iii) a certificate of another officer of each such corporation as to the incumbency and specimen signature of the Secretary or Assistant Secretary executing the certificate pursuant to (ii) above; and (iv) such other documents as the Lenders or Cravath, Swaine & Moore, counsel for the Administrative Agent may reasonably request.

(d) No loans shall be outstanding under the 1998 Five-Year Credit Agreement and the commitments under such Agreement shall have been terminated.

(e) The Administrative Agent shall have received certificates dated the Effective Date and signed by a Financial Officer of Alcoa confirming the satisfaction of the conditions precedent set forth in paragraph (d) of this Section 4.01 and paragraph (b) and paragraph (c) of Section 4.02.

(f) The Administrative Agent shall have received all fees and other amounts due and payable on or prior to the Effective Date, including all fees accrued to the date hereof under the 1998 Five-Year Credit Agreement.

(g) The Administrative Agent shall have received certificates of a Responsible Officer of Alcoa, each dated the Effective Date and stating that (i) except as disclosed in the Exchange Act Report or otherwise disclosed in such certificate, Alcoa and each of its Subsidiaries have complied in all respects with all Federal, state, local and foreign statutes, ordinances, orders, judgments, rulings and regulations relating to environmental pollution or to environmental regulation or control except to the extent any such failure so to comply would not, alone or together with any other such failure, be reasonably likely to result in a Material Adverse Effect; (ii) neither Alcoa nor any of its Subsidiaries has received notice of any failure so to comply which alone or together with any other such failure would be reasonably likely to result in a Material Adverse Effect; and (iii) the plants of Alcoa and its Subsidiaries do not manage any hazardous wastes, toxic pollutants or substances similarly denominated in violation of any applicable law or regulations promulgated pursuant thereto including, for operations within the United States, the Resource Conservation and Recovery Act, the Comprehensive Environmental Response Compensation and Liability Act, the Hazardous Materials Transportation Act, the Toxic Substance Control Act, the Clean Air Act, the Clean Water Act or any other applicable law, where such violation would be reasonably likely to result, individually or together with any such other violations, in a Material Adverse Effect.

SECTION 4.02. All Borrowings. On the date of each Borrowing:

(a) Such Borrower shall have provided the notice as required by Section 2.03.

(b) The representations and warranties set forth in Article III hereof (except, in the case of a refinancing of any Loan that does not increase the aggregate principal amount of Loans of any Lender outstanding, the representations set forth in Sections 3.08 and 3.10) shall be true and correct in all material respects on and as of the date of such Borrowing with the same effect as though made on and as of such date, except to the extent such representations and warranties expressly relate to an earlier date.

(c) Each Borrower shall be in compliance in all material respects with all the terms and provisions set forth herein on its part to be observed or performed, and at the time of and immediately after such Borrowing no Event of Default or Default shall have occurred and be continuing.

(d) In the case of any Borrowing which would cause the aggregate principal amount of outstanding loans under this Agreement, the 2001 Five-Year Credit Agreement, the 2003 364-Day Credit Agreement and any other Facilities (as defined in the resolutions duly adopted by the Board of Directors of Alcoa on November 9, 2001) to exceed \$10,000,000,000, such Borrowing shall have been duly authorized by Alcoa and the Administrative Agent shall have received a true and complete copy of resolutions duly adopted by the Board of Directors of Alcoa authorizing such Borrowing.

Each Borrowing by any Borrower shall be deemed to constitute a representation and warranty by such Borrower and, in the case of a Borrowing Subsidiary, Alcoa on the date of such Borrowing as to the matters specified in paragraphs (b), (c) and (d) of this Section 4.02.

SECTION 4.03. Designation of Borrowing Subsidiaries. On each Designation Date:

(a) The Administrative Agent shall have received (i) a copy of the charter, including all amendments thereto, of each applicable Borrowing Subsidiary, certified as of a recent date by the Secretary of State or the appropriate foreign governmental official of the state or country of its organization, and a certificate as to the good standing of such Borrowing Subsidiary as of a recent date from such Secretary of State or appropriate foreign governmental official, as applicable; (ii) a certificate of the Secretary or Assistant Secretary of such Borrowing Subsidiary dated the Designation Date and certifying (A) that attached thereto is a true and completed copy of the by-laws of such Borrowing Subsidiary as in effect on the Designation Date showing all amendments thereto since the date of the resolutions described in clause (B) below, (B) that attached thereto is a true and complete copy of resolutions duly adopted by the Board of Directors of such Borrowing Subsidiary authorizing the execution, delivery and performance of this Agreement and the borrowings hereunder, and that such resolutions have not been modified, rescinded or amended and are in full force and effect, (C) that the charter of such Borrowing Subsidiary has not been amended since the date of the last amendment thereto shown on the certificate of good standing furnished pursuant to clause (i) above, and (D) as to the incumbency and specimen signature of each officer executing or any other document delivered in connection herewith on behalf of such Borrowing Subsidiary; and (iii) a certificate of another officer as to the incumbency and specimen

signature of the Secretary or Assistant Secretary executing the certificate pursuant to (ii) above.

(b) The Administrative Agent shall have received a Designation of Borrowing Subsidiary of each applicable Borrowing Subsidiary as provided in Section 10.04(e).

ARTICLE V

AFFIRMATIVE COVENANTS

So long as this Agreement shall remain in effect or the principal of or interest on any Loan, any fees or any other expenses or amounts payable in connection herewith shall be unpaid, unless the Required Lenders shall otherwise consent in writing:

SECTION 5.01. Financial Statements, Reports, etc. Alcoa shall furnish to the Administrative Agent the following, with sufficient copies for the Administrative Agent to provide a copy to each Lender:

(a) within 120 days after the end of each fiscal year, (i) its consolidated balance sheet and related statements of income and cash flow audited by independent public accountants of recognized national standing, accompanied by an opinion of such accountants (which shall not be qualified as to scope of audit or in any manner calling into question the status of its business as a going concern) to the effect that such consolidated financial statements fairly present its financial condition and results of operations and that of its consolidated Subsidiaries, taken as a whole, in accordance with GAAP and (ii) the balance sheet and related statements of income of each of its Subsidiaries which has been designated pursuant to Section 10.04(e) as, and as long as such Subsidiary remains, a Borrowing Subsidiary, certified by a Financial Officer of such Subsidiary;

(b) within 60 days after the end of each of the first three fiscal quarters of each fiscal year, its Form 10-Q as prescribed by the Securities and Exchange Commission (or any successor agency);

(c) concurrently with any delivery of financial statements under (a) above and promptly at the request of the Administrative Agent (but not more often than once with respect to any fiscal quarter), a certificate of a Financial Officer (i) certifying that no Event of Default or Default has occurred and is continuing or, if such an Event of Default or Default has occurred and is continuing, specifying the nature and extent thereof and any corrective action taken or proposed to be taken with respect thereto and (ii) setting forth computations in reasonable detail satisfactory to the Administrative Agent demonstrating compliance with the covenant contained in Section 6.03;

(d) promptly after the same become publicly available, copies of all periodic and other reports, proxy statements and other materials filed by it (other than registration statements and prospectuses related to offerings to directors, officers or employees) with the Securities and Exchange Commission or any Governmental

Authority succeeding to any of or all the functions of such Commission, or with any national securities exchange, or distributed to its shareholders, as the case may be; and

(e) promptly, from time to time, such other information regarding its operations, business affairs and financial condition, or compliance with the terms of this Agreement, as the Administrative Agent or any Lender may reasonably request.

Alcoa shall be deemed to have fulfilled its obligations under paragraph (a), (b) or (d) above when the Administrative Agent receives a paper or an electronic version of the documents required to be delivered pursuant to paragraph (a), (b) or (d) above, in a format acceptable to the Administrative Agent; provided that (i) such paper or electronic version must be accompanied by a certificate delivered pursuant to paragraph (c) above and (ii) the Borrower shall deliver paper copies of the information referred to in paragraph (d) above to any Lender which requests such delivery.

SECTION 5.02. *Pari Passu Ranking.* Each Borrower shall ensure that any amounts payable by it hereunder will at all times rank at least *pari passu* with all other unsecured, unsubordinated Indebtedness of such Borrower except to the extent any such Indebtedness may be preferred by law.

SECTION 5.03. *Maintenance of Properties.* Each Borrower shall, and shall cause its Subsidiaries to, maintain and keep its properties in such repair, working order and condition, and make or cause to be made all such needful and proper repairs, renewals and replacements thereto, as in the judgment of such Borrower are necessary and in the interests of such Borrower; provided, however, that nothing in this Section 5.03 shall prevent such Borrower (or any Subsidiary thereof) from selling, abandoning or otherwise disposing of any of its respective properties or discontinuing a part of its respective businesses from time to time if, in the judgment of such Borrower, such sale, abandonment, disposition or discontinuance is advisable.

SECTION 5.04. *Obligations and Taxes.* Each Borrower shall pay its Indebtedness and other obligations that, if not paid, would result in a Material Adverse Effect before the same shall become delinquent or in default, and pay and discharge all taxes upon or against it, or against its properties, in each case prior to the date on which penalties attach thereto, unless and to the extent that any such obligation or tax is being contested in good faith and adequate reserves with respect thereto are maintained in accordance with GAAP.

SECTION 5.05. *Insurance.* Each Borrower shall, and shall cause its consolidated Subsidiaries to, insure and keep insured, in each case with reputable insurance companies, so much of its respective properties to such an extent and against such risks, or in lieu thereof, in the case of any Borrower, maintain or cause to be maintained a system or systems of self-insurance, as is customary in the case of corporations engaged in the same or similar business or having similar properties similarly situated.

SECTION 5.06. Existence; Businesses and Properties. (a) Each Borrower shall do or cause to be done all things necessary to preserve, renew and keep in full force and effect its legal existence in its jurisdiction of incorporation, except as otherwise expressly permitted under Section 6.02.

(b) Each Borrower shall do or cause to be done all things necessary to obtain, preserve, renew, extend and keep in full force and effect the rights, licenses, permits, franchises, authorizations, patents, copyrights, trademarks and trade names material to the conduct of its business as its Board of Directors shall determine in its judgment.

SECTION 5.07. Compliance with Laws. (a) Each Borrower shall comply in all material respects with all applicable laws, rules, regulations and orders of any Governmental Authority to which it is subject, whether now in effect or hereafter enacted, such that no failure so to comply will result in the levy of any penalty or fine which shall have a Material Adverse Effect.

(b) Each Borrower shall comply in all material respects with the applicable provisions of ERISA and all other related applicable laws and furnish to the Administrative Agent and each Lender (i) as soon as possible, and in any event within 30 days after any Responsible Officer of such Borrower or any ERISA Affiliate either knows or has reason to know that any ERISA Event has occurred that alone or together with any other ERISA Event would reasonably be expected to result in liability of such Borrower to the PBGC in an aggregate amount exceeding \$25,000,000, a statement of a Financial Officer setting forth details as to such ERISA Event and the action proposed to be taken with respect thereto, together with a copy of the notice, if any, of such ERISA Event given to the PBGC or other Governmental Authority, (ii) promptly after receipt thereof, a copy of any notice such Borrower or any ERISA Affiliate may receive from the PBGC or other Governmental Authority relating to the intention of the PBGC or other Governmental Authority to terminate any Plan or Plans (other than a Plan maintained by an ERISA Affiliate which is considered an ERISA Affiliate only pursuant to subsection (m) or (o) of Section 414 of the Code), or any Foreign Plan or Foreign Plans, or to appoint a trustee to administer any Plan or Plans, or any Foreign Plan or Foreign Plans, (iii) within 10 days after the due date for filing with the PBGC pursuant to Section 412(n) of the Code of a notice of failure to make a required installment or other payment with respect to a Plan, a statement of a Financial Officer setting forth details as to such failure and the action proposed to be taken with respect thereto, together with a copy of such notice given to the PBGC and (iv) promptly and in any event within 30 days after receipt thereof by such Borrower or any ERISA Affiliate from the sponsor of a Multiemployer Plan, a copy of each notice received by such Borrower or ERISA Affiliate concerning (A) the imposition of Withdrawal Liability in excess of \$25,000,000 or (B) a determination that a Multiemployer Plan is, or is expected to be, terminated or in reorganization, in each case within the meaning of Title IV of ERISA, if such termination or reorganization would reasonably be expected to result, alone or with any other such termination or reorganization, in increases in excess of \$25,000,000 in the contributions required to be made to the relevant Plan or Plans.

SECTION 5.08. Litigation and Other Notices. Each Borrower shall furnish to the Administrative Agent prompt written notice upon its becoming aware of any of the following:

(a) any Event of Default or Default, specifying the nature and extent thereof and the corrective action (if any) proposed to be taken with respect thereto;

(b) the filing or commencement of, or any threat or notice of intention of any person to file or commence, any action, suit or proceeding, whether at law or in equity or by or before any Governmental Authority, against it or any of its Subsidiaries which would reasonably be expected to result in a Material Adverse Effect; and

(c) any other development that has resulted in, or would reasonably be expected to result in, a Material Adverse Effect.

SECTION 5.09. Borrowing Subsidiaries. Alcoa shall cause each Borrowing Subsidiary at all times to be a wholly-owned Subsidiary.

ARTICLE VI

NEGATIVE COVENANTS

Each Borrower covenants and agrees with each Lender that, so long as this Agreement shall remain in effect or the principal of or interest on any Loan, any fees or any other expenses or amounts payable in connection herewith shall be unpaid, unless the Required Lenders shall otherwise consent in writing, such Borrower will not:

SECTION 6.01. Liens. (a) Create or incur, or permit any Restricted Subsidiary to create or incur, any Lien on its property or assets (including stock or other securities of any person, including any of its Subsidiaries) now or hereafter acquired by it or on any income or revenues or rights in respect thereof, securing Indebtedness for borrowed money, without ratably securing the Loans; provided, however, that the foregoing shall not apply to the following:

(i) Liens on property or assets of any corporation existing at the time such corporation becomes a Restricted Subsidiary;

(ii) Liens existing on any property or asset at or prior to the acquisition thereof by such Borrower or a Restricted Subsidiary, Liens on any property or asset securing the payment of all or any part of the purchase price of such property or asset, Liens on any property or asset securing any Indebtedness incurred prior to, at the time of or within 180 days after the acquisition of such property or asset for the purpose of financing all or any part of the purchase price thereof or Liens on any property or asset securing any Indebtedness incurred for the purpose of financing all or any part of the cost to such Borrower or Restricted Subsidiary of improvements thereto;

(iii) Liens securing Indebtedness of a Restricted Subsidiary owing to Alcoa or to another Restricted Subsidiary;

(iv) Liens existing on December 31, 2002, and set forth on Schedule 6.01(a);

(v) Liens on property of a person existing (or, in the case of Alumas Inc., that shall have existed) at the time such person is merged into or consolidated with Alcoa or a Restricted Subsidiary or at the time such person becomes a subsidiary of Alcoa through the direct or indirect acquisition of capital stock of such person by Alcoa or at the time of a sale, lease or other disposition of the properties of a person as an entirety or substantially as an entirety to Alcoa or a Restricted Subsidiary;

(vi) Liens on any property owned by Alcoa or any Restricted Subsidiary, in favor of the United States of America or any state thereof, or any department, agency or instrumentality or political subdivision of the United States of America or any State thereof, or in favor of any other country, or any political subdivision thereof, to secure partial, progress, advance or other payments pursuant to any contract or statute or to secure any Indebtedness incurred for the purpose of financing all or any part of the purchase price or the cost of construction of the property subject to such Liens; and

(vii) any extension, renewal or replacement (or successive extensions, renewals or replacements) in whole or in part of the Liens referred to in clauses (i) through (vi) of this Section 6.01(a); provided, however, that each such extension, renewal or replacement is limited to all or a part of the property which secured the Lien so extended, renewed or replaced (and any improvements thereon).

(b) Notwithstanding paragraph (a) of this Section 6.01 and in addition to the Liens permitted thereunder, each Borrower and any Restricted Subsidiary may create or incur Liens which would otherwise be subject to the foregoing restrictions to secure Indebtedness for borrowed money in an aggregate amount which does not at the time exceed 10% of the Consolidated Net Tangible Assets of Alcoa and its consolidated Subsidiaries at such time.

SECTION 6.02. Consolidation, Merger, Sale of Assets, etc. Consolidate or merge with or into any other person or sell, lease or transfer all or substantially all of its property and assets, or agree to do any of the foregoing, unless (a) no Default or Event of Default has occurred and is continuing or would result immediately after giving effect thereto, (b) if such Borrower is not the surviving corporation or if such Borrower sells, leases or transfers all or substantially all of its property and assets, the surviving corporation or person purchasing or being leased the assets agrees to be bound by the terms and provisions applicable to such Borrower hereunder, and (c)(i) in the case of Alcoa, immediately after such transaction, individuals who were directors of Alcoa during the twelve month period prior to such merger, sale or lease (together with any

replacement or additional directors whose election was recommended by or who were elected by a majority of directors then in office) constitute the Board of Directors of the surviving corporation or the person purchasing or being leased the assets and (ii) in the case of a Borrowing Subsidiary, (A) the surviving corporation or the person purchasing or being leased the assets is a wholly-owned Subsidiary of Alcoa and (B) if the surviving corporation or such person is not Alcoa, Alcoa agrees to guarantee pursuant to Article VIII the obligations of such person under this Agreement.

SECTION 6.03. Financial Undertaking. In the case of Alcoa, permit the aggregate principal amount of (a) the Indebtedness of Alcoa and its consolidated Subsidiaries, after eliminating intercompany items, plus (b) all other liabilities of Alcoa and its consolidated Subsidiaries, after eliminating intercompany items, in respect of any guarantee or endorsement (except the endorsement of negotiable instruments for deposit or collection or similar transactions in the normal course of business) of the Indebtedness of any person to exceed 150% of Consolidated Net Worth of Alcoa and its consolidated Subsidiaries.

SECTION 6.04. Change in Business. In the case of Alcoa, make or permit any substantial change in the general nature of the business carried on by Alcoa and its consolidated Subsidiaries as at the date hereof, including any such alteration arising from an acquisition, which would reasonably be expected to result in a Material Adverse Effect.

ARTICLE VII

EVENTS OF DEFAULT

In case of the happening of any of the following events ("Events of Default"):

(a) any Borrower shall default in the payment when due of any principal of any Loan and, if such default shall result from the failure of any third party payments system used by such Borrower, such default shall continue for a period of two Business Days;

(b) any Borrower shall fail to pay when due any interest, fee or other amount payable under this Agreement or Alcoa shall fail to pay any amount due under Article VIII upon demand therefor, and, in each case, such failure shall continue for a period of five Business Days;

(c) any representation or warranty made in Section 3.09 shall prove to have been false or misleading in any material respect as of the time when made (including by omission of material information necessary to make such representation or warranty not misleading); or any other representation or warranty made by a Borrower under this Agreement or any statement made by a Borrower in any financial statement, certificate, report, exhibit or document furnished by or on behalf of such Borrower in connection with this Agreement shall prove to have been false or misleading in any

material respect as of the time when made and, if such representation or warranty is able to be corrected, such representation or warranty is not corrected within 20 days after such Borrower's knowledge that it was false or misleading;

(d) any Borrower shall default in the performance or observance of any covenant contained in Section 5.02, Section 5.06(a), Section 5.08(a) or Article VI;

(e) any Borrower shall default in the performance or observance of any covenant or agreement under this Agreement (other than those specified in paragraphs (a), (b) and (d) above) and such default shall continue for a period of 10 Business Days, in the case of a default with respect to Section 5.08(b) or (c), or in any other case a period of 30 days after notice from the Administrative Agent;

(f) any Borrower shall (i) default in the payment of any principal or interest beyond any period of grace provided with respect thereto, due in respect of any Indebtedness in a principal amount in excess of \$20,000,000; or (ii) fail to observe or perform any other term, covenant, condition or agreement contained in any agreement or instrument evidencing or governing any such Indebtedness if the effect of any such failure referred to in this paragraph (f) is to cause such Indebtedness to become due prior to its stated maturity;

(g) a proceeding shall have been instituted or a petition filed in respect of a Borrower

(i) seeking to have an order for relief entered in respect of such Borrower, or seeking a declaration or entailing a finding that such Borrower is insolvent or a similar declaration or finding, or seeking dissolution, winding-up, revocation or forfeiture of charter or Memorandum and Articles of Association, liquidation, reorganization, arrangement, adjustment, composition or other relief with respect to such Borrower, its assets or its debts under any law relating to bankruptcy, insolvency, relief of debtors or protection of creditors, termination of legal entities or any other similar law now or hereafter in effect, or

(ii) seeking appointment of a receiver, trustee, custodian, liquidator, assignee, sequestrator, administrator or other similar official for such Borrower or for all or any substantial part of its property,

and such proceeding or petition shall remain undismissed for a period of 90 consecutive days or an order or decree approving any of the foregoing shall be entered;

(h) any Borrower shall become insolvent, shall become generally unable to pay its debts as they become due, shall voluntarily suspend transaction of its business generally or as a whole, shall make a general assignment for the benefit of creditors, shall institute a proceeding described in clause (g)(i) above or shall consent to any order or decree described therein, shall institute a proceeding described in clause (g)(ii) above or shall consent to any such appointment or to the taking of possession by any such official of all or any substantial part of its property whether or not any such proceeding is

instituted, shall dissolve, wind-up or liquidate itself or any substantial part of its property or shall take any action in furtherance of any of the foregoing;

(i) any of the following shall have occurred: (i) any person or group of persons shall have acquired beneficial ownership of a majority in interest of the outstanding Voting Stock of Alcoa (within the meaning of Section 13(d) or 14(d) of the Securities Exchange Act of 1934 and the applicable rules and regulations thereunder), (ii) during any period of 25 consecutive months, commencing before or after the date of this Agreement, individuals who at the beginning of such 25 month period were directors of Alcoa (together with any replacement or additional directors whose election was recommended by or who were elected by a majority of directors then in office) cease to constitute a majority of the Board of Directors of Alcoa or (iii) any person or group of related persons shall acquire all or substantially all of the assets of Alcoa; provided, however, that a change in control of Alcoa shall not be deemed to have occurred pursuant to clause (iii) of this paragraph (i) if Alcoa shall have merged or consolidated with or transferred all or substantially all of its assets to another person in compliance with the provisions of Section 6.02 and the ratio represented by the total assets of the surviving person, successor or transferee divided by such person's stockholders' equity, in each case as determined and as would be shown in a consolidated balance sheet of such person prepared in accordance with GAAP (the "Leverage Ratio" of such person) is no greater than the then Leverage Ratio of Alcoa immediately prior to such event;

(j) an ERISA Event or ERISA Events shall have occurred with respect to any Plan or Plans, or any Foreign Plan or Foreign Plans, that reasonably could be expected to result in liability of any Borrower to the PBGC or other Governmental Authority or to a Plan or Foreign Plan in an aggregate amount exceeding \$25,000,000 and, within 30 days after the reporting of any such ERISA Event to the Administrative Agent or after the receipt by the Administrative Agent of the statement required pursuant to Section 5.07(b), the Administrative Agent shall have notified the Borrower in writing that (i) the Required Lenders have made a determination that, on the basis of such ERISA Event or ERISA Events or the failure to make a required payment, there are reasonable grounds (A) for the termination of such Plan or Plans, or such Foreign Plan or Foreign Plans, by the PBGC or other Governmental Authority, (B) for the appointment either by the appropriate United States District Court of a trustee to administer such Plan or Plans or by an applicable court of law outside the United States of a trustee to administer such Foreign Plan or Foreign Plans or (C) for the imposition of a lien in favor of a Plan or Foreign Plan and (ii) as a result thereof an Event of Default exists hereunder; or a trustee shall be appointed by a United States District Court to administer any such Plan or Plans or by an applicable court of law outside the United States of a trustee to administer such Foreign Plan or Foreign Plans; or the PBGC or other Governmental Authority shall institute proceedings to terminate any Plan or Plans or any Foreign Plan or Foreign Plans;

(k) (i) any Borrower or any ERISA Affiliate shall have been notified by the sponsor of a Multiemployer Plan that it has incurred Withdrawal Liability to such Multiemployer Plan, (ii) such Borrower or such ERISA Affiliate does not have reasonable grounds for contesting such Withdrawal Liability or is not in fact contesting such Withdrawal Liability in a timely and appropriate manner and does not have

adequate reserves set aside against such Withdrawal Liability and (iii) the amount of the Withdrawal Liability specified in such notice, when aggregated with all other amounts required to be paid to Multiemployer Plans in connection with Withdrawal Liabilities (determined as of the date or dates of such notification), exceeds \$25,000,000 or requires payments exceeding \$25,000,000 in any calendar year;

(l) any Borrower or any ERISA Affiliate shall have been notified by the sponsor of a Multiemployer Plan that such Multiemployer Plan is in reorganization or is being terminated, within the meaning of Title IV of ERISA, if solely as a result of such reorganization or termination the aggregate annual contributions of such Borrower and its ERISA Affiliates to all Multiemployer Plans that are then in reorganization or have been or are being terminated have been or will be increased over the amounts required to be contributed to such Multiemployer Plans for their most recently completed plan years by an amount exceeding \$25,000,000;

(m) one or more judgments for the payment of money in an aggregate amount in excess of \$50,000,000 shall be rendered against any Borrower or any Subsidiary of any Borrower or any combination thereof and the same shall remain undischarged for a period of 45 consecutive days during which execution shall not be effectively stayed (unless an appeal or writ of certiorari is being diligently prosecuted), or any action shall be legally taken by a judgment creditor or creditors holding judgments which in the aggregate exceed \$50,000,000 to levy upon assets or properties of any Borrower or any Subsidiary of a Borrower to enforce any such judgment; or

(n) Any "Event of Default" as defined in the 2001 Five-Year Credit Agreement or the 2003 364-Day Credit Agreement shall occur and be continuing;

then, and in every such event (other than an event described in paragraph (g) or (h) above), and at any time thereafter during the continuance of such event, the Administrative Agent, at the request of the Required Lenders, shall, by written notice to Alcoa, take either or both of the following actions, at the same or different times: (i) terminate the Commitments, and (ii) declare the Loans then outstanding to be forthwith due and payable in whole or in part, whereupon the principal of the Loans so declared to be due and payable, together with accrued interest thereon and any unpaid accrued fees and all other liabilities accrued hereunder, shall become forthwith due and payable, without presentment, demand, protest or any other notice of any kind, all of which are hereby expressly waived by each Borrower, anything contained herein to the contrary notwithstanding; and in any event described in paragraph (g) or (h) above, the Commitments of the Lenders shall automatically terminate and the principal of the Loans then outstanding, together with accrued interest thereon and any unpaid accrued fees and all other liabilities accrued hereunder, shall automatically become due and payable, without presentment, demand, protest or any other notice of any kind, all of which are hereby expressly waived by each Borrower, anything contained herein to the contrary notwithstanding.

ARTICLE VIII

GUARANTEE

Alcoa unconditionally and irrevocably guarantees, as a principal obligor and not merely as a surety, the due and punctual payment and performance of all Borrowing Subsidiary Obligations. Alcoa further agrees that the Borrowing Subsidiary Obligations may be extended or renewed, in whole or in part, without notice or further assent from it, and that it will remain bound upon the provisions of this Article VIII notwithstanding any extension or renewal of any Borrowing Subsidiary Obligation.

Alcoa waives presentation to, demand of payment from and protest to any Borrowing Subsidiary of any of the Borrowing Subsidiary Obligations, and also waives notice of acceptance of the guarantee set forth in this Article VIII and notice of protest for nonpayment. The obligations of Alcoa hereunder shall not be affected by (a) the failure of the Administrative Agent or any Lender to assert any claim or demand or to enforce any right or remedy against any Borrowing Subsidiary under the provisions of this Agreement or any guarantee; (b) any extension or renewal of any provision of this Agreement or any guarantee; or (c) any rescission, waiver, amendment or modification of any of the terms or provisions of this Agreement or any guarantee or any other agreement.

Alcoa further agrees that the guarantee set forth in this Article VIII constitutes a guarantee of payment when due and not of collection and waives any right to require that any resort be had by the Administrative Agent or any Lender to the balance of any deposit account or credit on the books of the Administrative Agent or the relevant Lender, as applicable, in favor of any Borrowing Subsidiary or any other person.

The obligations of Alcoa hereunder shall not be subject to any reduction, limitation, impairment or termination for any reason, including any claim or waiver, release, surrender, alteration or compromise, and shall not be subject to any defense of setoff, counterclaim, recoupment or termination whatsoever by reason of the invalidity, illegality or unenforceability of the Borrowing Subsidiary Obligations or otherwise. Without limiting the generality of the foregoing, the obligations of Alcoa hereunder shall not be discharged or impaired or otherwise affected by the failure of the Administrative Agent or any Lender to assert any claim or demand or to enforce any remedy under this Agreement, by any waiver or modification of any thereof, by any default, failure or delay, wilful or otherwise, in the performance of the Borrowing Subsidiary Obligations or by any other act or omission which may or might in any manner or to any extent vary the risk of Alcoa or would otherwise operate as a discharge of Alcoa as a matter of law or equity.

Alcoa further agrees that this guarantee shall continue to be effective or be reinstated, as the case may be, if at any time payment by any Borrowing Subsidiary to the Administrative Agent or any Lender, or any part thereof, of principal of or interest on such Borrowing Subsidiary Obligation is rescinded or must otherwise be restored by the Administrative Agent or any Lender or any holder of any Borrowing Subsidiary

Obligation upon the bankruptcy or reorganization of such Borrowing Subsidiary or otherwise.

In furtherance of the foregoing and not in limitation of any other right which the Administrative Agent or any Lender may have at law or in equity against Alcoa by virtue hereof, upon the failure of any Borrowing Subsidiary to pay any Borrowing Subsidiary Obligation when and as the same shall become due, whether at maturity, by acceleration, after notice of prepayment or otherwise, Alcoa hereby promises to and will, upon receipt of written demand by the Administrative Agent, promptly pay, or cause to be paid, to such Agent in cash the amount of such unpaid Borrowing Subsidiary Obligation, and thereupon such Agent shall assign, in any reasonable manner, the amount of the Borrowing Subsidiary Obligation paid by Alcoa pursuant to this guarantee to Alcoa, such assignment to be pro tanto to the extent to which the Borrowing Subsidiary Obligation in question was discharged by Alcoa, or make such other disposition thereof as Alcoa shall direct (all without recourse to the Administrative Agent or any Lender and without any representation or warranty by the Administrative Agent or Lender).

Upon payment by Alcoa of any sums to the Administrative Agent as provided above, all rights of Alcoa against the Borrowing Subsidiaries arising as a result thereof by way of right of subrogation or otherwise shall in all respects be subordinate and junior in right of payment to the prior indefeasible payment in full of all the Borrowing Subsidiary Obligations.

ARTICLE IX

THE ADMINISTRATIVE AGENT

In order to expedite the transactions contemplated by this Agreement, JPMorgan Chase Bank is hereby appointed to act as the Administrative Agent on behalf of the Lenders. Each of the Lenders and each assignee of any such Lender hereby irrevocably authorizes the Administrative Agent to take such actions on behalf of such Lender or assignee and to exercise such powers as are specifically delegated to such Agent by the terms and provisions hereof, together with such actions and powers as are reasonably incidental thereto. The Administrative Agent is hereby expressly authorized by the Lenders, without hereby limiting any implied authority, (a) to receive on behalf of the Lenders all payments of principal of and interest on the Loans and all other amounts due to the Lenders hereunder, and promptly to distribute to each Lender its proper share of each payment so received; (b) to give notice on behalf of each of the Lenders to the relevant Borrower of any Event of Default specified in this Agreement of which the Administrative Agent has actual knowledge acquired in connection with its agency hereunder; and (c) to distribute to each Lender copies of all notices, financial statements and other materials delivered by any Borrower pursuant to this Agreement as received by such Agent.

None of the Administrative Agent or any of its directors, officers, employees or agents shall be liable as such for any action taken or omitted by any of

them except for its or his own gross negligence or wilful misconduct, or be responsible for any statement, warranty or representation herein or the contents of any document delivered in connection herewith, or be required to ascertain or to make any inquiry concerning the performance or observance by any Borrower of any of the terms, conditions, covenants or agreements contained herein. The Administrative Agent shall not be responsible to the Lenders or any assignee thereof for the due execution, genuineness, validity, enforceability or effectiveness of this Agreement or other instruments or agreements. The Administrative Agent shall in all cases be fully protected in acting, or refraining from acting, in accordance with written instructions signed by the Required Lenders and, except as otherwise specifically provided herein, such instructions and any action or inaction pursuant hereto shall be binding on all the Lenders and each assignee of any such Lender. The Administrative Agent shall, in the absence of knowledge to the contrary, be entitled to rely on any instrument or document believed by it in good faith to be genuine and correct and to have been signed or sent by the proper person or persons. None of the Administrative Agent or any of its directors, officers, employees or agents shall have any responsibility to any Borrower on account of the failure of or delay in performance or breach by any other Lender or any Borrower of any of their respective obligations hereunder or in connection herewith. The Administrative Agent may execute any and all duties hereunder by or through agents or employees and shall be entitled to rely upon the advice of legal counsel selected by it with respect to all matters arising hereunder and shall not be liable for any action taken or suffered in good faith by it in accordance with the advice of such counsel.

The Lenders hereby acknowledge that the Administrative Agent shall not be under any duty to take any discretionary action permitted to be taken by it pursuant to the provisions of this Agreement unless it shall be requested in writing to do so by the Required Lenders.

Subject to the appointment and acceptance of a successor Administrative Agent as provided below, the Administrative Agent may resign at any time by notifying the Lenders and the Borrowers. Upon any such resignation, the Required Lenders shall have the right to appoint a successor; provided, however, that Alcoa has approved such successor (such consent not to be unreasonably withheld or delayed and not to be required if an Event of Default exists). If no successor shall have been so appointed by the Required Lenders and shall have accepted such appointment within 30 days after the retiring Administrative Agent gives notice of its resignation, then the retiring Agent may, on behalf of the Lenders, appoint a successor Administrative Agent, subject to the prior approval of Alcoa (such consent not to be unreasonably withheld or delayed and not to be required if an Event of Default exists), which shall be a bank with an office in New York, New York, having total assets in excess of \$10,000,000,000 or an Affiliate of any such bank. Upon the acceptance of any appointment as the Administrative Agent hereunder by a successor bank, such successor shall succeed to and become vested with all the rights, powers, privileges and duties of the retiring Agent and the retiring Agent shall be discharged from its duties and obligations hereunder. After the Agent's resignation hereunder the provisions of this Article and Section 10.05 shall continue in effect for its benefit in respect of any actions taken or omitted to be taken by it while it was acting as Administrative Agent.

With respect to the Loans made by it hereunder, the Administrative Agent in its individual capacity and not as Agent shall have the same rights and powers as any other Lender and may exercise the same as though it were not an Administrative Agent, and such Agent and its Affiliates may accept deposits from, lend money to and generally engage in any kind of business with any Borrower or any Subsidiary or other Affiliate of Alcoa as if it were not an Agent.

Each Lender agrees (i) to reimburse the Administrative Agent, on demand, in the amount of its pro rata share (based on its Commitment hereunder) of any expenses incurred for the benefit of the Lenders by such Agent, including counsel fees and compensation of agents and employees paid for services rendered on behalf of the Lenders, which shall not have been reimbursed by the Borrowers and (ii) to indemnify and hold harmless the Administrative Agent and any of its directors, officers, employees, agents or Affiliates, on demand, in the amount of such pro rata share, from and against any and all liabilities, taxes, obligations, losses, damages, penalties, actions, judgments, suits, costs, expenses or disbursements of any kind or nature whatsoever which may be imposed on, incurred by or asserted against it in its capacity as an Administrative Agent or any of them in any way relating to or arising out of this Agreement or any action taken or omitted by it or any of them under this Agreement, to the extent the same shall not have been reimbursed by the Borrowers; provided that no Lender shall be liable to the Administrative Agent for any portion of such liabilities, obligations, losses, damages, penalties, actions, judgments, suits, costs, expenses or disbursements resulting from the gross negligence or wilful misconduct of such Agent or any of its directors, officers, employees, agents or Affiliates.

Each Lender acknowledges that it has, independently and without reliance upon the Administrative Agent or other Lender and based on such documents and information as it has deemed appropriate, made its own credit analysis and decision to enter into this Agreement. Each Lender also acknowledges that it will, independently and without reliance upon the Administrative Agent or other Lender and based on such documents and information as it shall from time to time deem appropriate, continue to make its own decisions in taking or not taking action under or based upon this Agreement, any related agreement or any document furnished hereunder or thereunder.

Each Lender hereby acknowledges that the syndication and documentation agents have no liability hereunder as syndication and documentation agents other than in their capacity as Lenders.

ARTICLE X

MISCELLANEOUS

SECTION 10.01. Notices. Notices and other communications provided for herein shall be in writing and shall be delivered by hand or overnight courier service, mailed by certified or registered mail or sent by telecopy as follows:

(a) if to Alcoa or a Borrowing Subsidiary, to Alcoa Inc. at 390 Park Avenue, New York, New York 10022-4608, Attention of Vice President & Treasurer (Telecopy No. 212-836-2823);

(b) if to the Administrative Agent, to JPMorgan Chase Bank at 1111 Fannin Street, Houston, Texas 77002, Attention of Bang Tran (Telecopy No. 713-750-2223), with a copy to JPMorgan Chase Bank at 270 Park Avenue, New York, New York 10017, Attention of James Ramage (Telecopy No. 212-270-5100);

(c) if to a Lender, to it at its address (or telecopy number) set forth in Schedule 2.01 or in the Assignment and Assumption pursuant to which such Lender shall have become a party hereto.

All notices and other communications given to any party hereto in accordance with the provisions of this Agreement shall be deemed to have been given on the date of receipt if delivered by hand or overnight courier service or sent by telecopy or on the date five Business Days after dispatch by certified or registered mail if mailed, in each case delivered, sent or mailed (properly addressed) to such party as provided in this Section 10.01 or in accordance with the latest unrevoked direction from such party to the Administrative Agent and each Borrower given in accordance with this Section 10.01.

Notices and other communications to the Lenders hereunder may be delivered or furnished by electronic communications pursuant to procedures approved by the Administrative Agent; provided that the foregoing shall not apply to notices pursuant to Article II unless otherwise agreed by the Administrative Agent and the applicable Lender. The Administrative Agent or Alcoa may, in its discretion, agree to accept notices and other communications to it hereunder by electronic communications pursuant to procedures approved by it; provided that approval of such procedures may be limited to particular notices or communications.

Any notice hereunder shall be effective upon receipt. Any notice or other communication received on a day which is not a Business Day or after business hours in the place of receipt shall be deemed to be served on the next following Business Day in such place. Any notice given to Alcoa shall be deemed to have been duly given to each other Borrower at the same time and in the same manner.

SECTION 10.02. Survival of Agreement. All covenants, agreements, representations and warranties made by any Borrower herein and in the certificates or other instruments prepared or delivered in connection with or pursuant to this Agreement shall be considered to have been relied upon by the Lenders and shall survive the making by the Lenders of the Loans, regardless of any investigation made by the Lenders or on their behalf, and shall continue in full force and effect as long as the principal of or any accrued interest on any Loan or any fee or any other amount payable under this Agreement is outstanding and unpaid and so long as the Commitments have not been terminated.

SECTION 10.03. Binding Effect. This Agreement shall become effective when it shall have been executed by Alcoa and the Administrative Agent and when the Administrative Agent shall have received copies hereof which, when taken together, bear the signatures of each Lender, and thereafter shall be binding upon and inure to the benefit of the Borrowers, the Administrative Agent and each Lender and their respective successors and assigns, except that none of the Borrowers shall have the right to assign its rights hereunder or any interest herein without the prior consent of all the Lenders.

SECTION 10.04. Successors and Assigns; Additional Borrowing Subsidiaries. (a) The provisions of this Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns permitted hereby, except that (i) the Borrowers may not assign or otherwise transfer any of their rights or obligations hereunder (except as provided in Section 10.04(e)) without the prior written consent of each Lender (and any attempted assignment or transfer by the Borrowers without such consent shall be null and void) and (ii) no Lender may assign or otherwise transfer its rights or obligations hereunder except in accordance with this Section. Nothing in this Agreement, expressed or implied, shall be construed to confer upon any person (other than the parties hereto, their respective successors and assigns permitted hereby, Participants (to the extent provided in paragraph (c) of this Section) and, to the extent expressly contemplated hereby, the Related Parties of each of the Administrative Agent and the Lenders) any legal or equitable right, remedy or claim under or by reason of this Agreement.

(b) (i) Subject to the conditions set forth in paragraph (b)(ii) below, any Lender may assign to one or more assignees all or a portion of its rights and obligations under this Agreement (including all or a portion of its Commitment and the Loans at the time owing to it); with the prior written consent (such consent not to be unreasonably withheld) of:

(A) Alcoa, provided that no consent of Alcoa shall be required for an assignment to a Lender, an Affiliate of a Lender, an Approved Fund (as defined below) or, if an Event of Default under clause (a), (b), (g) or (h) of Article VII has occurred and is continuing, any other assignee; and

(B) the Administrative Agent, provided that no consent of the Administrative Agent shall be required for an assignment to an assignee that is a Lender immediately prior to giving effect to such assignment.

(ii) Assignments shall be subject to the following conditions:

(A) except in the case of an assignment to a Lender or an Affiliate of a Lender or an assignment of the entire remaining amount of the assigning Lender's Commitment, the amount of the Commitment of the assigning Lender subject to each such assignment (determined as of the date the Assignment and Assumption with respect to such assignment is delivered to the Administrative Agent) shall not be less than \$5,000,000 unless each of Alcoa and the Administrative Agent otherwise consent,

provided that no such consent of Alcoa shall be required if an Event of Default under clause (a), (b), (g) or (h) of Article VII has occurred and is continuing);

(B) each partial assignment shall be made as an assignment of a proportionate part of all the assigning Lender's rights and obligations under this Agreement;

(C) the parties to each assignment shall execute and deliver to the Administrative Agent an Assignment and Assumption, together with a processing and recordation fee of \$3,500;

(D) the assignee, if it shall not be a Lender, shall deliver to the Administrative Agent an Administrative Questionnaire; and

(E) in the case of an assignment to a CLO (as defined below), the assigning Lender shall retain the sole right to approve any amendment, modification or waiver of any provision of this Agreement, provided that the Assignment and Assumption between such Lender and such CLO may provide that such Lender will not, without the consent of such CLO, agree to any amendment, modification or waiver described in the proviso to Section 10.08(b) that affects such CLO.

For purposes of this Section 10.04(b), the terms "Approved Fund" and "CLO" have the following meanings:

"Approved Fund" means (a) a CLO and (b) with respect to any Lender that is a fund which invests in bank loans and similar extensions of credit, any other fund that invests in bank loans and similar extensions of credit and is managed by the same investment advisor as such Lender or by an Affiliate of such investment advisor.

"CLO" means any entity (whether a corporation, partnership, trust or otherwise) that is engaged in making, purchasing, holding or otherwise investing in bank loans and similar extensions of credit in the ordinary course of its business and is administered or managed by a Lender or an Affiliate of such Lender.

(iii) Subject to acceptance and recording thereof pursuant to paragraph (b)(iv) of this Section, from and after the effective date specified in each Assignment and Assumption the assignee thereunder shall be a party hereto and, to the extent of the interest assigned by such Assignment and Assumption, have the rights and obligations of a Lender under this Agreement, and the assigning Lender thereunder shall, to the extent of the interest assigned by such Assignment and Assumption, be released from its obligations under this Agreement (and, in the case of an Assignment and Assumption covering all of the assigning Lender's rights and obligations under this Agreement, such Lender shall cease to be a party hereto but shall continue to be entitled to the benefits of Sections 2.12, 2.14, 2.18 and 10.05). Any assignment or transfer by a Lender of rights or obligations under this Agreement that does not comply with this Section

10.04 shall be treated for purposes of this Agreement as a sale by such Lender of a participation in such rights and obligations in accordance with paragraph (c) of this Section.

(iv) The Administrative Agent, acting for this purpose as an agent of the Borrowers, shall maintain at one of its offices a copy of each Assignment and Assumption delivered to it and a register for the recordation of the names and addresses of the Lenders, and the Commitment of, and principal amount of the Loans owing to, each Lender pursuant to the terms hereof from time to time (the "Register"). The entries in the Register shall be conclusive in the absence of manifest error, and the Borrowers, the Administrative Agent and the Lenders may treat each person whose name is recorded in the Register pursuant to the terms hereof as a Lender hereunder for all purposes of this Agreement, notwithstanding notice to the contrary. The Register shall be available for inspection by the Borrowers and any Lender, at any reasonable time and from time to time upon reasonable prior notice.

(v) Upon its receipt of a duly completed Assignment and Assumption executed by an assigning Lender and an assignee, the assignee's completed Administrative Questionnaire (unless the assignee shall already be a Lender hereunder), the processing and recordation fee referred to in paragraph (b) of this Section and any written consent to such assignment required by paragraph (b) of this Section, the Administrative Agent shall (i) accept such Assignment and Assumption, (ii) record the information contained therein in the Register and (iii) give prompt notice thereof to Alcoa. No assignment shall be effective for purposes of this Agreement unless it has been recorded in the Register as provided in this paragraph.

(c) (i) Any Lender may, without the consent of any Borrower and the Administrative Agent, sell participations to one or more banks or other entities (a "Participant") in all or a portion of such Lender's rights and obligations under this Agreement (including all or a portion of its Commitment and the Loans owing to it); provided that (A) such Lender's obligations under this Agreement shall remain unchanged, (B) such Lender shall remain solely responsible to the other parties hereto for the performance of such obligations and (C) the Borrowers, the Administrative Agent and the other Lenders shall continue to deal solely and directly with such Lender in connection with such Lender's rights and obligations under this Agreement. Any agreement or instrument pursuant to which a Lender sells such a participation shall provide that such Lender shall retain the sole right to enforce this Agreement and to approve any amendment, modification or waiver of any provision of this Agreement; provided that such agreement or instrument may provide that such Lender will not, without the consent of the Participant, agree to any amendment, modification or waiver described in the proviso to Section 10.08(b) that affects such Participant. Subject to paragraph (c)(ii) of this Section, Alcoa agrees that each Participant shall be entitled to the benefits of Sections 2.12 and 2.18 to the same extent as if it were a Lender and had acquired its interest by assignment pursuant to paragraph (b) of this Section. To the extent permitted by law, each Participant also shall be entitled to the benefits of

Section 10.06 as though it were a Lender, provided such Participant agrees to be subject to Section 2.16 as though it were a Lender.

(ii) A Participant shall not be entitled to receive any greater payment under Section 2.12 or 2.18 than the applicable Lender would have been entitled to receive with respect to the participation sold to such Participant, unless the sale of the participation to such Participant is made with Alcoa's prior written consent.

(d) Any Lender may at any time pledge or assign a security interest in all or any portion of its rights under this Agreement to secure obligations of such Lender, including any pledge or assignment to secure obligations to a Federal Reserve Bank, and the other provisions of this Section 10.04 shall not apply to any such pledge or assignment of a security interest; provided that no such pledge or assignment of a security interest shall release a Lender from any of its obligations hereunder or substitute any such pledgee or assignee for such Lender as a party hereto.

(e) Unless an Event of Default has occurred and is continuing, Alcoa at any time and from time to time may designate any wholly-owned Subsidiary to be a Borrowing Subsidiary upon the completion of the following: (i) each of Alcoa and such Subsidiary shall have executed and delivered to the Administrative Agent a Designation of Borrowing Subsidiary and (ii) such Subsidiary shall have complied with Section 4.03, whereupon (A) such Subsidiary shall become a party hereto and shall have the rights and obligations of a Borrowing Subsidiary hereunder and (B) the obligations of such Subsidiary shall become part of the Borrowing Subsidiary Obligations and the guarantee of Alcoa pursuant to Article VIII hereof shall apply thereto to the same extent that it applies to the other Borrowing Subsidiary Obligations, if any (the date on which any such designation shall occur being called a "Designation Date").

SECTION 10.05. Expenses; Indemnity. (a) Alcoa agrees to pay or cause one or more other Borrowers to pay all reasonable out-of-pocket expenses incurred by the Administrative Agent in connection with the preparation of this Agreement or in connection with any amendments, modifications or waivers of the provisions hereof or thereof (whether or not the transactions hereby contemplated shall be consummated) or incurred by the Administrative Agent or any Lender in connection with the enforcement of their rights in connection with this Agreement or in connection with the Loans made hereunder, including the reasonable fees, charges and disbursements of Cravath, Swaine & Moore, counsel for the Administrative Agent, and, in connection with any such enforcement, the reasonable fees, charges and disbursements of any other counsel for the Administrative Agent or any Lender. Alcoa further agrees to indemnify or cause one or more other Borrowers to indemnify the Lenders from and hold them harmless against any documentary taxes, assessments or charges made by any Governmental Authority by reason of the execution and delivery of this Agreement.

(b) Alcoa agrees to indemnify or cause one or more other Borrowers to indemnify the Administrative Agent, each Lender and each of their respective Affiliates, directors, officers, employees and agents (each such person being called an "Indemnitee") against, and to hold or cause one or more other Borrowers to hold each

Indemnitee harmless from, any and all losses, claims, damages, liabilities and related expenses, including reasonable counsel fees, charges and disbursements, incurred by or asserted against any Indemnitee arising out of, in any way connected with, or as a result of (i) the execution or delivery of this Agreement or any agreement or instrument contemplated hereby, the performance by the parties thereto of their respective obligations thereunder or the consummation of the transactions contemplated thereby, (ii) the use of the proceeds of the Loans or (iii) any claim, litigation, investigation or proceeding relating to any of the foregoing, whether or not any Indemnitee is a party thereto; provided that such indemnity shall not, as to any Indemnitee, be available to the extent that such losses, claims, damages, liabilities or related expenses are determined by a court of competent jurisdiction by final and nonappealable judgment to have resulted from the gross negligence or wilful misconduct of such Indemnitee. The Administrative Agent and each Lender agrees to promptly notify Alcoa of any claims relating to clauses (i), (ii) or (iii) of the next preceding sentence; provided, however, that any failure to deliver any such notice shall not relieve Alcoa from its obligations under this paragraph (b).

(c) The provisions of this Section 10.05 shall remain operative and in full force and effect regardless of the expiration of the term of this Agreement, the consummation of the transactions contemplated hereby, the repayment of any of the Loans, the invalidity or unenforceability of any term or provision of this Agreement, or any investigation made by or on behalf of the Administrative Agent or Lender. All amounts due under this Section 10.05 shall be payable on written demand therefor.

SECTION 10.06. Right of Setoff. If an Event of Default shall have occurred and be continuing, each Lender is hereby authorized at any time and from time to time, to the fullest extent permitted by law, to set off and apply any and all deposits (general or special, time or demand, provisional or final) at any time held and other indebtedness at any time owing by such Lender or its Affiliates to or for the credit or the account of any Borrower against any of and all the obligations of such Borrower (or, in the case of Alcoa, any of and all the obligations of any Borrowing Subsidiary) now or hereafter existing under this Agreement held by such Lender, irrespective of whether or not such Lender shall have made any demand under this Agreement or otherwise and although such obligations may be unmatured. The rights of each Lender under this Section are in addition to other rights and remedies (including other rights of setoff) which such Lender may have.

SECTION 10.07. Applicable Law. THIS AGREEMENT SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO PRINCIPLES OF CONFLICTS OF LAWS.

SECTION 10.08. Waivers; Amendment. (a) No failure or delay of the Administrative Agent or any Lender in exercising any power or right hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any such right or power, or any abandonment or discontinuance of steps to enforce such a right or power, preclude any other or further exercise thereof or the exercise of any other right or power.

The rights and remedies of the Administrative Agent and the Lenders hereunder are cumulative and are not exclusive of any rights or remedies which they would otherwise have. No waiver of any provision of this Agreement or consent to any departure by any Borrower therefrom shall in any event be effective unless the same shall be permitted by paragraph (b) below, and then such waiver or consent shall be effective only in the specific instance and for the purpose for which given. No notice or demand on any Borrower in any case shall entitle such Borrower to any further notice or shall entitle such Borrower or any other Borrower to notice or demand in similar or other circumstances.

(b) Neither this Agreement nor any provision hereof may be waived, amended or modified except pursuant to an agreement or agreements in writing entered into by the Borrowers and the Required Lenders; provided, however, that no such agreement shall (i) decrease the principal amount of, or extend the maturity of or any scheduled principal payment date or date for the payment of any interest on any Loan or date fixed for payment of any Facility Fee, or waive or excuse any such payment or any part thereof, or decrease the rate of interest on any Loan, without the prior written consent of each Lender affected thereby, (ii) change or extend the Commitment or decrease the Facility Fees of any Lender without the prior written consent of such Lender, (iii) amend or modify the provisions of Section 2.14, the provisions of Article VIII, the provisions of this Section or the definition of "Required Lenders", without the prior written consent of each Lender or (iv) amend, modify or otherwise affect the rights or duties of the Administrative Agent hereunder without the prior written consent of such Agent. Each Lender and each assignee thereof shall be bound by any waiver, consent, amendment or modification authorized by this Section.

SECTION 10.09. Interest Rate Limitation. Notwithstanding anything herein to the contrary, if at any time the applicable interest rate, together with all fees and charges which are treated as interest under applicable law (collectively the "Charges"), as provided for herein or in any other document executed in connection herewith, or otherwise contracted for, charged, received, taken or reserved by any Lender, shall exceed the maximum lawful rate (the "Maximum Rate") which may be contracted for, charged, taken, received or reserved by such Lender in accordance with applicable law, the rate of interest payable to such Lender, together with all Charges payable to such Lender, shall be limited to the Maximum Rate.

SECTION 10.10. Entire Agreement. This Agreement and any fee arrangements related hereto constitute the entire contract between the parties relative to the subject matter hereof. Any previous agreement among the parties with respect to the subject matter hereof is superseded by this Agreement and the fee arrangements related hereto.

SECTION 10.11. Waiver of Jury Trial. Each party hereto hereby waives, to the fullest extent permitted by applicable law, any right it may have to a trial by jury in respect of any litigation directly or indirectly arising out of, under or in connection with this Agreement. Each party hereto (a) certifies that no representative, agent or attorney of any other party has represented, expressly or otherwise, that such other party would not,

in the event of litigation, seek to enforce the foregoing waiver and (b) acknowledges that it and the other parties hereto have been induced to enter into this Agreement, as applicable, by, among other things, the mutual waivers and certifications in this Section 10.11.

SECTION 10.12. Severability. In the event any one or more of the provisions contained in this Agreement should be held invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein and therein shall not in any way be affected or impaired thereby. The parties shall endeavor in good-faith negotiations to replace the invalid, illegal or unenforceable provisions with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.

SECTION 10.13. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall constitute an original but all of which when taken together shall constitute but one contract, and shall become effective as provided in Section 10.03.

SECTION 10.14. Headings. Article and Section headings and the Table of Contents used herein are for convenience of reference only, are not part of this Agreement and are not to affect the construction of, or to be taken into consideration in interpreting, this Agreement.

SECTION 10.15. Jurisdiction, Consent to Service of Process. (a) Each Borrower hereby irrevocably and unconditionally submits, for itself and its property, to the nonexclusive jurisdiction of any New York State court or Federal court of the United States of America sitting in New York City, and any appellate court from any thereof, in any action or proceeding arising out of or relating to this Agreement, or for recognition or enforcement of any judgment, and each of the parties hereto hereby irrevocably and unconditionally agrees that all claims in respect of any such action or proceeding may be heard and determined in such New York State or, to the extent permitted by law, in such Federal court. Each of the parties hereto agrees that a final judgment in any such action or proceeding shall be conclusive and may be enforced in other jurisdictions by suit on the judgment or in any other manner provided by law. Nothing in this Agreement shall affect any right that any Lender may otherwise have to bring any action or proceeding relating to this Agreement against any Borrower or its properties in the courts of any jurisdiction.

(b) Each Borrower hereby irrevocably and unconditionally waives, to the fullest extent it may legally and effectively do so, any objection which it may now or hereafter have to the laying of venue of any suit, action or proceeding arising out of or relating to this Agreement in any New York State or Federal court. Each of the parties hereto hereby irrevocably waives, to the fullest extent permitted by law, the defense of an inconvenient forum to the maintenance of such action or proceeding in any such court.

(c) Each party to this Agreement irrevocably consents to service of process in the manner provided for notices in Section 10.01. Nothing in this Agreement

will affect the right of any party to this Agreement to serve process in any other manner permitted by law.

SECTION 10.16. Conversion of Currencies. (a) If, for the purpose of obtaining judgment in any court, it is necessary to convert a sum due hereunder in dollars into another currency, the parties hereto agree, to the fullest extent that they may legally and effectively do so, that the rate of exchange used shall be that at which in accordance with normal banking procedures the Administrative Agent could purchase dollars with such other currency in The City of New York, on the Business Day immediately preceding the day on which final judgment is given.

(b) The obligation of each Borrower in respect of any sum due to any Lender hereunder in dollars shall, to the extent permitted by applicable law, notwithstanding any judgment in a currency other than dollars, be discharged only to the extent that on the Business Day following receipt of any sum adjudged to be so due in the judgment currency such Lender may in accordance with normal banking procedures purchase dollars in the amount originally due to such Lender with the judgment currency. If the amount of dollars so purchased is less than the sum originally due to such Lender, such Borrower agrees, as a separate obligation and notwithstanding any such judgment, to indemnify such Lender against the resulting loss.

IN WITNESS WHEREOF, Alcoa, the Administrative Agent and the Lenders have caused this Agreement to be duly executed by their respective authorized officers as of the day and year first above written.

ALCOA INC.,

by /s/ William B. Plummer

Name: William B. Plummer
Title: Vice President and Treasurer

JPMORGAN CHASE BANK,
individually and as
Administrative Agent,

by _____
Name:
Title:

SIGNATURE PAGE TO THE
ALCOA INC.
FIVE-YEAR REVOLVING CREDIT
AGREEMENT

LENDER:

by: _____
Name:
Title:

by: _____
Name:
Title:

EXHIBIT A
TO CREDIT AGREEMENT

[FORM OF]

Assignment and Assumption

Reference is made to the Five-Year Revolving Credit Agreement dated as of April 25, 2003 (as amended from time to time, the "Credit Agreement"), among Alcoa Inc. ("Alcoa"), a Pennsylvania corporation, certain subsidiaries of Alcoa, the Lenders, and JPMorgan Chase Bank, as the Administrative Agent for the Lenders. Terms defined in the Credit Agreement are used herein with the same meanings.

1. The Assignor hereby sells and assigns, without recourse, to the Assignee, and the Assignee hereby purchases and assumes, without recourse, from the Assignor, effective as of the Assignment Effective Date set forth on the reverse hereof, the interests set forth on the reverse hereof (the "Assigned Interest") in the Assignor's rights and obligations under the Credit Agreement, including, without limitation, the Commitment of the Assignor on the Assignment Effective Date and the Loans owing to the Assignor which are outstanding on the Assignment Effective Date, together with unpaid interest accrued on the assigned Loans to the Assignment Effective Date and the amount, if any, set forth on the reverse hereof of the fees accrued to the Assignment Effective Date for the account of the Assignor. From and after the Assignment Effective Date (i) the Assignee shall be a party to and be bound by the provisions of the Credit Agreement and, to the extent of the interests assigned by this Assignment and Assumption, have the rights and obligations of a Lender thereunder and (ii) the Assignor shall, to the extent of the interests assigned by this Assignment and Assumption, relinquish its rights and be released from its obligations under the Credit Agreement.

2. This Assignment and Assumption is being delivered to the Administrative Agent together with (i) if the Assignee is a Lender and is organized under the laws of a jurisdiction outside the United States, the forms specified in Section 2.18(g) of the Credit Agreement, duly completed and executed by such Assignee, (ii) if the Assignee is not already a Lender under the Credit Agreement, an Administrative Questionnaire in the form of Exhibit B to the Credit Agreement and (iii) a processing and recordation fee of \$3,500.

3. This Assignment and Assumption shall be governed by and construed in accordance with the laws of the State of New York.

Date of Assignment:

Legal Name of Assignor:

Legal Name of Assignee:

Assignee's Address for Notices:

Assignment Effective Date of Assignment:

Percentage Assigned of Applicable
 Facility/Commitment (set forth, to at least
 8 decimals, as a percentage of the Facility and
 the aggregate Commitments of all Lenders
 thereunder)

Facility/ Commitment	Principal Amount Assigned	Percentage Assigned of Applicable Facility/Commitment (set forth, to at least 8 decimals, as a percentage of the Facility and the aggregate Commitments of all Lenders thereunder)
Commitment	\$	%
Loan:	\$	%
Fees Assigned (if any):	\$	%

The terms set forth above and on the reverse side hereof are hereby agreed to:

_____, as Assignor

Accepted*/

ALCOA INC.,

by: _____

by: _____

Name:
Title:

Name:
Title:

_____, as Assignee

JPMORGAN CHASE BANK

by: _____

by: _____

Name:
Title:

Name:
Title:

*/ To be completed to the extent consents are required under Section 10.04(b) of the Credit Agreement.

EXHIBIT B
TO CREDIT AGREEMENT

ADMINISTRATIVE QUESTIONNAIRE
ALCOA INC.

Please accurately complete the following information and return via FAX to the attention of Bang Tran (713-750-2223) at JPMorgan Chase Bank as soon as possible.

PHONE NUMBER: _____ FAX NUMBER: _____

LEGAL NAME OF LENDER (TO APPEAR ON THE SIGNATURE LINE IN DOCUMENTATION):

GENERAL INFORMATION - DOMESTIC LENDING OFFICE:

Institution Name: _____

Street Address: _____

City, State, Zip Code: _____

GENERAL INFORMATION - LIBOR LENDING OFFICE:

Institution Name: _____

Street Address: _____

City, State, Zip Code: _____

TAX WITHHOLDING:

Non-Resident Alien: Yes* No*
 ----- -----

*Form 4224 Enclosed

Tax ID Number: _____

CONTACTS/NOTIFICATION METHODS:

CREDIT CONTACTS:

Primary Contact: _____

Street Address: _____

City, State, Zip Code: _____

Phone Number: _____

FAX Number: _____

Backup Contact: _____

Street Address: _____

City, State, Zip Code: _____

Phone Number: _____

FAX Number: _____

ADMINISTRATIVE CONTACTS - BORROWING, PAYMENTS, INTEREST, ETC...

Contact(s): _____

Street Address: _____

City, State, Zip Code: _____

Phone Number: _____

FAX Number: _____

ACCOUNT INFORMATION - Please provide only one set of instructions for all types of payments:

Name of Bank where funds are to be transferred:

Routing Transit/ABA number of Bank where funds are to be transferred:

Name of Account: _____

Account Number: _____

Additional Information: _____

- - - - -
It is very important that all of the above information is accurately filled in and promptly returned. If there is someone other than yourself who should receive this questionnaire, please notify us of their name and FAX number and we will FAX them a copy of the questionnaire.

EXHIBIT C
TO CREDIT AGREEMENT

[Letterhead of]

ALCOA

April 25, 2003

JPMorgan Chase Bank, as Agent
and each of the Lenders party to the
Agreement referred to below
270 Park Avenue
New York, NY 10017

Ladies and Gentlemen:

I am Counsel of Alcoa Inc. ("Alcoa") and in such capacity have represented Alcoa in connection with the Five-Year Revolving Credit Agreement dated as of April 25, 2003 (the "Agreement"), among Alcoa, certain subsidiaries of Alcoa, the Lenders and JPMorgan Chase Bank, as the Administrative Agent. This opinion is rendered to you pursuant to Section 4.01(a) of the Agreement. Capitalized terms used but not defined herein shall have the meanings assigned to them in the Agreement.

In rendering the opinion expressed below, I have examined, either personally or indirectly through other counsel, the originals or conformed copies of the Agreement and such corporate records, agreements and instruments of Alcoa and its Subsidiaries, certificates of public officials and of officers of Alcoa and its Subsidiaries, and such other documents and records as I have deemed appropriate as a basis for the opinions hereinafter expressed.

Based upon the foregoing and subject to the qualifications stated herein, I am of the opinion that:

1. Alcoa is a corporation duly organized, validly existing and in good standing under the laws of the Commonwealth of Pennsylvania and is duly qualified to do business as a foreign corporation and is in good standing in all other jurisdictions in which the ownership of its properties or the nature of its activities or both makes such qualification necessary, except to the extent that failure to be so qualified would not result in a Material Adverse Effect.

2. Alcoa has corporate power and authority to execute, deliver and carry out the provisions of the Agreement, to borrow under the Agreement and to perform its obligations thereunder and all such action has been duly and validly authorized by all necessary corporate proceedings on its part.

3. The Agreement has been duly executed and delivered by Alcoa and constitutes the legal, valid and binding obligation of Alcoa enforceable against Alcoa in accordance with its terms, except as limited by bankruptcy, insolvency or other similar laws of general application affecting the enforcement of creditors' rights or by general principles of equity limiting the availability of equitable remedies.

4. No authorization, consent, approval, license, exemption or other action by, and no registration, qualification, designation, declaration or filing with, any Governmental Authority is necessary in connection with Alcoa's execution and delivery of the Agreement, the consummation by Alcoa of the transactions contemplated therein or Alcoa's performance of or compliance with the terms and conditions thereof, except as set forth on Schedule 3.04 to the Agreement.

5. The execution and delivery by Alcoa of the Agreement, the consummation by Alcoa of the transactions contemplated thereby or performance by Alcoa of or compliance with the terms and conditions thereof will not (a) violate any law, constitution, statute, treaty, regulation, rule, ordinance, order, injunction, writ, decree or award of any Governmental Authority to which it is subject, (b) conflict with or result in a breach or default under its charter or by-laws, (c) to the best of my knowledge, conflict with or result in a breach or default which is material in the context of the Agreement under any agreement or instrument to which Alcoa is a party or by which it or any of its properties, whether now owned or hereafter acquired, may be subject or bound or (d) result in the creation or imposition of any Lien prohibited by Section 6.01 of the Agreement upon any property or assets of Alcoa, whether now owned or hereafter acquired.

6. Except as set forth in the financial statements referred to in Section 3.06 of the Agreement, any Exchange Act Report or otherwise disclosed on Schedule 3.08 to the Agreement, there is no pending or, to my knowledge, threatened proceeding by or before any Governmental Authority against Alcoa or any of its Subsidiaries which in my opinion is likely to result in a Material Adverse Effect.

7. Alcoa is not an "investment company" as defined in, or subject to regulation under, the Investment Company Act of 1940, and Alcoa is exempted as a "holding company" as defined in the Public Utility Holding Company Act of 1935.

I am a member of the bar of the Commonwealth of Pennsylvania and my opinion is limited to the laws of the Commonwealth of Pennsylvania and the laws of the United States of America. I express no opinion herein as to whether a court would apply New York law to any particular subject matter hereof. To the extent that the laws of the State of New York or, contrary to the agreement of the parties, the laws of any other State govern the documents referenced herein, you may rely on my opinion with respect to

such laws to the extent that the laws of such state or states are substantially the same as the laws of the Commonwealth of Pennsylvania, as to which sameness I express no opinion.

Very truly yours,

Thomas F. Seligson

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EXHIBIT D
TO CREDIT AGREEMENT

[FORM OF]

DESIGNATION OF BORROWING SUBSIDIARY

Reference is made to the Five-Year Revolving Credit Agreement dated as of April 25, 2003 (as amended from time to time, the "Credit Agreement"), among Alcoa Inc. ("Alcoa"), a Pennsylvania corporation, certain subsidiaries of Alcoa, the Lenders and JPMorgan Chase Bank, as the Administrative Agent for the Lenders. Terms defined in the Credit Agreement are used herein with the same meanings.

1. Alcoa hereby designates [____], a [____] corporation (the "Subsidiary"), effective as of [____], 20[___] (the "Designation Date"), as a Borrowing Subsidiary under the Credit Agreement. The Subsidiary hereby makes and agrees to be bound by all the representations, warranties and agreements set forth in Article III, V and VI of the Credit Agreement. From and after the Designation Date, the Subsidiary shall become a party to the Credit Agreement and shall have the rights and obligations of a Borrowing Subsidiary thereunder. Alcoa agrees that its guarantee pursuant to Article VIII of the Credit Agreement shall apply to the Borrowings of the Subsidiary.

2. This Designation of Borrowing Subsidiary is being delivered to the Administrative Agent together with the documents set forth in Section 4.03(a).

3. This Designation of Borrowing Subsidiary shall be governed by and construed in accordance with the laws of the State of New York.

The terms set forth above are hereby agreed to:

[_____], as Subsidiary,

by

Name:
Title:

ALCOA INC.,

by

Name:
Title:

Accepted:

JPMORGAN CHASE BANK, as the Administrative Agent

by

Name:
Title:

SCHEDULE 2.01

Name and Address of the Lenders	Contact Person and Telephone and Telecopy Numbers	Commitment (U.S.\$)
JPMorgan Chase Bank 270 Park Avenue, New York, NY 10017	James Ramage Tel: 212-270-1373 Fax: 212-270-5100	\$ 104,166,667
Citibank, N.A. 399 Park Avenue, New York, NY 10043	Ray Dunning Tel: 212-816-8259 Fax: 212-816-8052	100,000,000
UBS AG, Stamford Branch 677 Washington Boulevard Stamford, Connecticut 06901	Denise Conzo Tel: 203-719-3815 Fax: 203-719-3888	100,000,000
Credit Suisse First Boston 11 Madison Avenue, 20th Fl. New York, NY 10010	Vitaly Butenko Tel: 212-325-8319 Fax: 212-325-1681	91,666,667
Deutsche Bank AG 31 West 52nd Street, 24th Fl. New York, NY 10019	Oliver Schwarz Tel: 212-469-8610 Fax: 212-469-2930	83,333,333
ABN AMRO Bank, N.V. 500 Park Avenue, New York, NY 10022	Brendan Korb Tel: 312-904-1760 Fax: 312-904-6387	83,333,333
Mellon Bank, N.A. One Mellon Bank Center, Pittsburgh, PA 15258-0001	Robert Reichenbach Tel: 412-236-0567 Fax: 412-236-1914	75,000,000
Morgan Stanley Bank 1585 Broadway New York, 10036	Jaap Tonckens Tel: 212-761-1052 Fax: 212-761-0322	58,333,333
Bank of America, N.A. 901 Main Street, 67th Fl. Dallas, TX 75202	Dennis Amato Tel: 212-847-6705 Fax: 212-847-6721	50,000,000
BNP Paribas 787 Seventh Avenue, New York, NY 10019	Christopher Criswell Tel: 212-841-3404 Fax: 212-841-3049	50,000,000
Australian and New Zealand Banking Group Ltd. 1177 Avenue of the Americas, New York, NY 10036	Peter Gray Tel: 212-801-9739 Fax: 212-556-4839	47,500,000
The Bank of Tokyo-Mitsubishi, Ltd., New York Branch 1251 Avenue of the Americas, New York, NY 10022	Mark Marron Tel: 212-782-4337 Fax: 212-782-6440	33,333,333
Banco Bilbao Vizcaya Argentaria, S.A. 1345 Avenue of the Americas, New York, NY 10105	Miguel Lara Tel: 212-728-1664 Fax: 212-333-2904	33,333,333

Name and Address of the Lenders	Contact Person and Telephone and Telecopy Numbers	Commitment (U.S.\$)
Bank One, N.A. 153 West 51st St. New York, NY 10019	Edmond Thompson Tel: 212-373-1106 Fax: 212-373-1388	33,333,333
SANPAOLO IMI S.P.A. 245 Park Avenue, 35th Fl. New York, NY 10167	Luca Sacchi Tel: 212-692-3130 Fax: 212-692-3178	28,333,333
National Australia Bank Limited 200 Park Avenue, 34th Fl. New York, NY 10166	Craig Manning Tel: 212-916-9509 Fax: 212-983-7360	16,666,667
The Bank of New York 1 Wall Street New York, NY 10286	Ernest Fung Tel: 212-635-6805 Fax: 212-635-7978	11,666,667
	Total:	\$1,000,000,000.00 =====

Governmental Approvals

International Capital Form S filed with the Federal Reserve Bank of New York.

Litigation

None.

SCHEDULE 6.01(a)

ENTITY	LEASED EQUIP	MORTGAGES	TAX EXEMPT DEBT	TAX EXEMPT DEBT (Paid Off)*	Acc Rec Sec Prog	Credit Facility (Paid Off)*
Alcoa Inc. - Consolidated	1,410,400	125,000				
	1,524,611					
			123,330,833			
Reynolds Metals Company	1,525,253	474,565	181,735,000			
Alcoa Inc. - Consolidated		14,266				
			40,265,000			
Alcoa Architectural Products SAS - Cons		8,603,547				
Reynolds Systems Ireland Limited - Cons	172,978					
Automotive Castings - Cons		18,800				
Alcoa Manufacturing(GB)Limited - Consolidated	8,476					
	53,993,046					
			934,433			
Alcoa Latin America Holding Co.(ALAHC)-Cons		54,500				
Kawneer U.K. Ltd - Consolidated	70,861	42,630				
Alcoa Building Products (ABP)	70,261					
Eastalco - Consolidation			10,687,006			
Alumax of South Carolina			27,450,000			
Alcoa Extrusions Inc. PA			9,000,000			
Kawneer Co., Inc.		3,624				
		1,220				
		6,098				
		11,809				
		1,236				
Baco Consumer Products Limited - Consolidated		29,895				
Huck S.A.		318,312				
Crystal Thermoplastics, Inc.			966,937			
Alcoa Inespal, S.A.	24,536	6,818				
Alcoa Transformacion S.A.	43,982	1,275				
Alcoa World Alumina LLC		232,115				
Alcoa Chemie GMBH - Consolidated	1,345,130	2,065,032				
Tifton Aluminum Company, Inc. - Consolidated			10,000,000			
Alcoa Shanghai Aluminum Products - Consolidated		6,525,866				
Ivex Packaging Corporation *				34,965,000		302,271,415
Alcoa Closure Systems Japan, Ltd. - Consolidated	1,605,319					
Alumax Europe N.V. - Consolidated						
Alcoa Servicios, SA de CV - Consolidated	19,433					
Alcoa Wireless Network Services Inc.		101,214				

Alcoa Inter-America, Inc.

40,000,000

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TOTAL	61,814,287	19,572,255	403,434,776	34,965,000	40,000,000	302,271,415
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* Lien releases on paid-off debt in process

Computation of Ratio of Earnings to Fixed Charges
For the six months ended June 30, 2003
(in millions, except ratio)

Six months ended June 30	2003
Earnings:	
Income from continuing operations before taxes on income	\$ 771
Minority interests' share of earnings of majority-owned subsidiaries without fixed charges	—
Equity income	(84)
Fixed charges	187
Distributed income of less than 50%-owned persons	6
Amortization of capitalized interest	9
Total earnings	\$ 889
Fixed Charges:	
Interest expense:	
Consolidated	\$ 169
Proportionate share of 50%-owned persons	2
	171
Amount representative of the interest factor in rents:	
Consolidated	15
Proportionate share of 50%-owned persons	1
	16
Fixed charges added to earnings	187
Interest capitalized:	
Consolidated	9
Proportionate share of 50%-owned persons	—
	9
Preferred stock dividend requirements of majority-owned subsidiaries	—
Total fixed charges	\$ 196
Ratio of earnings to fixed charges	4.5

July 23, 2003

Securities and Exchange Commission
450 Fifth Street, N.W.
Washington, D.C. 20549

RE: Alcoa Inc.

1. Forms S-8 (Registration Nos.33-24846, 333-32516, 333-106411, 333-91331 and 333-36214) Alcoa Savings Plan for Salaried Employees; Alcoa Savings Plan for Bargaining Employees; Alcoa Savings Plan for Non-Bargaining Employees; Alcoa Savings Plan for Subsidiary and Affiliate Employees; Alumax Inc. Thrift Plan for Salaried Employees; Alumax Inc. Thrift Plan for Hourly Employees; Alumax Inc. Thrift Plan for Collectively Bargained Employees; and Reynolds Metals Company Savings Plan for Hourly Employees
2. Forms S-8 (Registration Nos.33-22346, 33-49109, 33-60305, 333-27903, 333-62663, 333-79575, 333-36208, 333-37740, and 333-39708) Long Term Stock Incentive Plan; Alumax Inc. Long Term Incentive and Employee Equity Ownership Plans; Alcoa Stock Incentive Plan; Reynolds Metals Company 1999 Nonqualified Stock Option Plan; Reynolds Metals Company 1996 Nonqualified Stock Option Plan; Reynolds Metals Company 1992 Nonqualified Stock Option Plan; Reynolds Metals Company 1987 Nonqualified Stock Option Plan; Cordant Technologies Inc. 1989 Stock Awards Plan; Cordant Technologies Inc. 1996 Stock Awards Plan; Howmet International Inc. Amended and Restated 1997 Stock Awards Plan
3. Form S-3 (Registration No. 333-74874) Debt Securities, Preferred Stock, Common Stock, Warrants, Stock Purchase Contracts and Stock Purchase Units of Alcoa Inc., Trust Preferred Securities of Alcoa Trust I, and Guarantee of Trust Preferred Securities of Alcoa Trust I by Alcoa Inc.

Commissioners:

We are aware that our report dated July 8, 2003, except for Note Q, as to which the date is July 18, 2003, on our review of interim financial information of Alcoa Inc. and subsidiaries as of and for the three-month and six-month periods ended June 30, 2003, and included in the company's quarterly report on Form 10-Q for the quarter then ended, is incorporated by reference in the Registration Statements referred to above.

Very truly yours,

/s/ PricewaterhouseCoopers LLP

PricewaterhouseCoopers LLP

Certifications

I, Alain J. P. Belda, Chairman of the Board and Chief Executive Officer of Alcoa Inc., certify that:

1. I have reviewed this quarterly report on Form 10-Q of Alcoa Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - c) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: July 23, 2003

/s/ ALAIN J. P. BELDA

Title:

Chairman of the Board and
Chief Executive Officer
(Principal Executive Officer)

I, Richard B. Kelson, Executive Vice President and Chief Financial Officer of Alcoa Inc., certify that:

1. I have reviewed this quarterly report on Form 10-Q of Alcoa Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - c) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: July 23, 2003

/s/ RICHARD B. KELSON

Title:

Executive Vice President and
Chief Financial Officer
(Principal Financial Officer)

Certification
Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002

Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (subsections (a) and (b) of Section 1350, Chapter 63 of Title 18, United States Code), each of the undersigned officers of Alcoa Inc., a Pennsylvania corporation (the "Company"), does hereby certify that:

The Quarterly Report on Form 10-Q for the quarter ended June 30, 2003 (the "Form 10-Q") of the Company fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934 and information contained in the Form 10-Q fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: July 23, 2003

/s/ ALAIN J. P. BELDA

Name:	Alain J. P. Belda
Title:	Chairman of the Board and Chief Executive Officer

Dated: July 23, 2003

/s/ RICHARD B. KELSON

Name:	Richard B. Kelson
Title:	Executive Vice President and Chief Financial Officer

A signed original of this written statement required by Section 906, or other document authenticating, acknowledging, or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request.

The foregoing certification is being furnished to the Securities and Exchange Commission as an exhibit to the Form 10-Q and shall not be considered filed as part of the Form 10-Q.