# Operational Summary 

for the First Quarter of the Fiscal Year Ending March 31, 2016

August 5, 2015<br>Mitsubishi Chemical Holdings Corporation

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## List of Abbreviations

| FY2015: | April 1, 2015 - March 31, 2016 |
| :---: | :---: |
|  | 1st Quarter ("1Q") of FY2015: April 1, 2015 - June 30, 2015 |
|  | 2nd Quarter ("2Q") of FY2015: July 1, 2015 - September 30, 2015 |
|  | 1st Half ("1H") of FY2015: April 1, 2015 - September 30, 2015 |
| FY2014: | April 1, 2014 - March 31, 2015 |
|  | 1st Quarter ("1Q") of FY2014: April 1, 2014 - June 30, 2014 |
|  | 1st Half ("1H") of FY2014: April 1, 2014 - September 30, 2014 |
| MCHC: | Mitsubishi Chemical Holdings Corporation |
| MCC: | Mitsubishi Chemical Corporation |
| MTPC: | Mitsubishi Tanabe Pharma Corporation |
| MPI: | Mitsubishi Plastics, Inc. |
| MRC: | Mitsubishi Rayon Co., Ltd. |
| LSII: | Life Science Institute, Inc. |
| TNSC: | Taiyo Nippon Sanso Corporation |
| (Note) |  |
| Divisional numbers into following "business sub-segments" under the business segments of Designed Materials, Health Care, Chemicals, or Polymers are approximation for reference purpose only; |  |
|  | Functional Products |
|  | Performance Chemicals |
|  | Pharmaceuticals |
|  | Diagnostics, Clinical Testing and API |
|  | Petrochemicals |
|  | Carbon |
|  | Industrial Gases |
|  | Polyolefins and Advanced Polymers |
|  | MMA Monomers and Polymers |

## Consolidated Statements of Operations



## Consolidated Net Sales and Operating Income by Business Segment

|  |  |  |  | (Billions of Yen) | <Reference> |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { 1Q of } \\ \text { FY2015 } \end{gathered}$ | $\begin{aligned} & 1 Q \text { of } \\ & \text { FY2014 } \end{aligned}$ | Change | 1H of FY2015 Forecast (announced on May 13) |
| Total | Net Sales | 941.0 | 810.9 | 130.1 | 1,920.0 |
|  | Operating Income | 71.0 | 29.5 | 41.5 | 95.0 |
| Electronics Applications | Net Sales | 29.3 | 28.6 | 0.7 | 60.0 |
|  | Operating Income | (0.1) | (0.4) | 0.3 | (0.5) |
| Designed Materials | Net Sales | 201.8 | 196.6 | 5.2 | 430.0 |
|  | Operating Income | 15.8 | 12.8 | 3.0 | 29.5 |
| Health Care | Net Sales | 128.2 | 122.8 | 5.4 | 252.0 |
|  | Operating Income | 25.0 | 16.0 | 9.0 | 31.5 |
| Chemicals | Net Sales | 326.6 | 205.9 | 120.7 | 653.0 |
|  | Operating Income | 21.5 | 0.7 | 20.8 | 21.5 |
| Polymers | Net Sales | 207.7 | 212.5 | (4.8) | 420.0 |
|  | Operating Income | 9.8 | 1.4 | 8.4 | 17.0 |
| Others | Net Sales | 47.4 | 44.5 | 2.9 | 105.0 |
|  | Operating Income | 0.5 | 0.3 | 0.2 | 0.0 |
| Corporate | Net Sales | - | - | - | - |
|  | Operating Income | (1.5) | (1.3) | (0.2) | (4.0) |

*1 Including net sales of 140.6 billion yen and operating income of 9.7 billion yen in industrial gases
*2 Effective from FY2015, certain businesses (including businesses in consolidated subsidiaries) have been reclassified from the Chemicals segment and the Others segment to the Designed Materials segment and the Polymers segment. Accordingly, segment information for FY2014 is restated to match.

## Consolidated Net Sales and Operating Income By Business Sub-segment

|  |  |  | (Billions of Yen) |  |  | <Reference> |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{gathered} \text { 1Q of } \\ \text { FY2015 } \end{gathered}$ | $\begin{gathered} \text { 1Q of } \\ \text { FY2014 } \end{gathered}$ | Change | 1H of FY2015 Forecast (announced on May 13) |
| Electronics Applications |  | Net Sales | 29.3 | 28.6 | 0.7 | 60.0 |
|  |  | Operating Income | (0.1) | (0.4) | 0.3 (a) | (0.5) |
|  | Functional Products | Net Sales | 140.8 | 135.1 | 5.7 | 300.0 |
|  |  | Operating Income | 8.1 | 6.6 | 1.5 (b) | 17.0 |
|  | Performance Chemicals | Net Sales | 61.0 | 61.5 | (0.5) | 130.0 |
|  |  | Operating Income | 7.7 | 6.2 | 1.5 (c) | 12.5 |
|  | Pharmaceuticals | Net Sales | 98.5 | 94.4 | 4.1 | 191.5 |
|  |  | Operating Income | 23.8 | 14.8 | 9.0 (d) | 30.5 |
|  | Diagnostics, Clinical Testing and API | Net Sales | 29.7 | 28.4 | 1.3 | 60.5 |
|  |  | Operating Income | 1.2 | 1.2 | 0.0 | 1.0 |

*1 All figures are approximation for reference purpose only.
*2 Effective from FY2015, certain businesses (including businesses in consolidated subsidiaries) have been reclassified from the Chemicals segment and the Others segment to the Designed Materials segment and the Polymers segment. Accordingly, segment information for FY2014 is restated to match.

Major reasons for the change:
(a) Rationalization, increased sales for display materials, etc.
(b) Profit increased due to polyester film, high-performance films, etc.
(c) Increased sales in lithium-ion battery materials and coating materials, etc.
(d) Profit increased due to higher royalty revenues and decreased SG\&A expenses.

## Consolidated Net Sales and Operating Income by Business Sub-segment (Continued)

|  |  |  |  |  | (Billions of Yen) |  | <Reference> |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{gathered} 1 Q \text { of } \\ \text { FY2015 } \end{gathered}$ | $\begin{gathered} \text { 1Q of } \\ \text { FY2014 } \end{gathered}$ | Change |  | 1H of FY2015 Forecast (announced on May 13) |
|  | Petrochemicals | Net Sales | 136.3 | 156.0 | (19.7) |  | 262.0 |
|  |  | Operating Income | 8.8 | (1.1) | 9.9 | (a) | 0.5 |
|  | Carbon | Net Sales | 49.7 | 49.9 | (0.2) |  | 100.0 |
|  |  | Operating Income | 3.0 | 1.8 | 1.2 | (b) | 5.0 |
|  | Industrial Gases | Net Sales | 140.6 | - | 140.6 |  | 291.0 |
|  |  | Operating Income | 9.7 | - | 9.7 | (c) | 16.0 |
|  | Polyolefins and Advanced Polymers | Net Sales | 121.5 | 125.7 | (4.2) |  | 235.0 |
|  |  | Operating Income | 5.3 | 0.7 | 4.6 | (d) | 6.0 |
|  | MMA Monomers and Polymers | Net Sales | 86.2 | 86.8 | (0.6) |  | 185.0 |
|  |  | Operating Income | 4.5 | 0.7 | 3.8 | (e) | 11.0 |

*1 All figures are approximation for reference purpose only.
*2 Effective from FY2015, certain businesses (including businesses in consolidated subsidiaries) have been reclassified from the Chemicals segment and the Others segment to the Designed Materials segment and the Polymers segment. Accordingly, segment information for FY2014 is restated to match.

| Inventory valuation gain/loss | $\begin{gathered} \text { 1Q of } \\ \text { FY2015 } \end{gathered}$ | $\begin{gathered} \text { 1Q of } \\ \text { FY2014 } \end{gathered}$ | Change |
| :---: | :---: | :---: | :---: |
| Chemicals (Petrochemicals) | 2.1 | 0.0 | 2.1 |
| Chemicals (Carbon) | (0.2) | (0.4) | 0.2 |
| Polymers | (2.6) | 0.8 | (3.4) |
| Total | (0.7) | 0.4 | (1.1) |

Major reasons for the change:
(a) Favorable ethylene market conditions, the difference in scale of periodic maintenance, inventory valuation gain in naphtha, etc.
(b) Increased profit for coke due to expanded margins in export, etc.
(c) Impacts of the conversion of TNSC to a consolidated subsidiary (FY2014-3Q-)
(d) Improved performance of polyolefin business; increased profit due to phenol and polycarbonate chain, etc.
(e) Increased profit due to a drop in raw material prices, etc.

## Analysis of Operating Income


*1 Items included are impacts from inventory valuation gain/loss, etc.
*2 Including impacts of the conversion of TNSC to a consolidated subsidiary ( 9.7 billion yen)
*3 Effective from FY2015, certain businesses (including businesses in consolidated subsidiaries) have been reclassified from the Chemicals segment and the Others segment to the Designed Materials segment and the Polymers segment. Accordingly, segment information for FY2014 is restated to match.

## Consolidated Extraordinary Gain and Loss

|  | (Billions of Yen) |  |  |
| :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { 1Q of } \\ \text { FY2015 } \end{gathered}$ | 1Q of FY2014 | Change |
| Net of extraordinary gain and loss | 0.6 | (5.3) | 5.9 |
| Extraordinary gain | 3.5 | 0.3 | 3.2 |
| Gain on step acquisitions | 1.9 |  | 1.9 |
| Gain on sales of investment securities | 1.1 | 0.3 | 0.8 |
| Gain on sales of property, plant and equipment | 0.4 | - | 0.4 |
| Others | 0.1 | - | 0.1 |
| Extraordinary loss | (2.9) | (5.6) | 2.7 |
| Loss on sales of Intercompany securities | (1.7) |  | (1.7) |
| Loss on sales and retirement of property, plant and equipment | (0.5) | (0.4) | (0.1) |
| Business structure improvement expenses | - | (5.0) | 5.0 |
| Others | (0.7) | (0.2) | (0.5) |

## Consolidated Cash Flows

|  | Based on statements of cash flows |  |
| :---: | :---: | :---: |
|  | $\begin{gathered} \text { 1Q of } \\ \text { FY2015 } \end{gathered}$ | $\begin{gathered} \text { 1Q of } \\ \text { FY2014 } \end{gathered}$ |
| Net cash provided by operating activities | 74.1 | 71.9 |
| Income before income taxes | 75.2 | 23.5 |
| Depreciation and amortization | 43.1 | 31.5 |
| Amortization of goodwill | 4.9 | 3.8 |
| Change in operating receivables/payables | 14.9 | 24.6 |
| Change in Inventories | 0.9 | 1.0 |
| Others | (64.9) | (12.5) |
| Net cash used in investment activities | (5.6) | (68.6) |
| Capital expenditure | (33.4) | (31.4) |
| Sale of assets | 13.3 | 6.3 |
| Investment and loans receivable, etc | 14.5 | (43.5) |
| Free cash flow | 68.5 | 3.3 |
| Net cash used in financing activities | (51.5) | 9.1 |
| Interest bearing debts | (28.6) | 26.0 |
| Dividends, etc. | (22.9) | (16.9) |
| Increase (Decrease) in cash and cash equivalents | 17.0 | 12.4 |
| Effect of exchange rate changes and change in scope of consolidation | 3.1 | (1.6) |
| Cash and cash equivalents at the beginning of the period | 243.1 | 179.6 |
| Cash and cash equivalents at the end of the period | 263.2 | 190.4 |

Adjusted by excluding cash flows from investment of surplus funds

|  | (Billions of Yen) | <reference> |
| :---: | :---: | :---: |
| $\begin{gathered} \hline \text { 1Q of } \\ \text { FY2015 } \\ \text { Excluded } 29.5 \\ \text { billion yen } \\ \hline \end{gathered}$ | $\begin{gathered} \text { 1Q of } \\ \text { FY2014 } \\ \text { Excluded (24.0) } \\ \text { billion yen } \\ \hline \end{gathered}$ | Target for FY2015 <br> (announced on May 13) |
| 74.1 | 71.9 | 327.0 |
| 75.2 | 23.5 | 182.0 |
| 43.1 | 31.5 | 187.0 |
| 4.9 | 3.8 | 21.0 |
| 14.9 | 24.6 |  |
| 0.9 | 1.0 |  |
| (64.9) | (12.5) | (56.0) |
| (35.1) | (44.6) | (212.0) |
| (33.4) | (31.4) | (213.0) |
| 13.3 | 6.3 | 0 |
| (15.0) | (19.5) |  |
| 39.0 | 27.3 | 115.0 |

## Consolidated Balance Sheets

|  | (Billions of Yen) |  |  |
| :---: | :---: | :---: | :---: |
|  | Jun. 30, 2015 | Mar. 31, 2015 | Change |
| Cash and deposits | 260.2 | 236.2 | 24.0 |
| Inventories | 596.3 | 595.5 | 0.8 |
| Trade receivables | 744.1 | 759.9 | (15.8) |
| Others | 241.9 | 265.6 | (23.7) |
| Current assets | 1,842.5 | 1,857.2 | (14.7) |
| Tangible and Intangible fixed assets | 1,681.8 | 1,679.7 | 2.1 |
| Goodwill | 247.3 | 243.8 | 3.5 |
| Investment and Others | 536.9 | 542.3 | (5.4) |
| Non-current assets | 2,466.0 | 2,465.8 | 0.2 |
| Total assets | 4,308.5 | 4,323.0 | (14.5) |


|  | (Billions of Yen) |  |  |
| :---: | :---: | :---: | :---: |
|  | Jun. 30, 2015 | Mar. 31, 2015 | Change |
| Interest-bearing debts | 1,585.0 | 1,603.6 | (18.6) |
| Trade payables | 457.4 | 459.3 | (1.9) |
| Others | 635.9 | 671.5 | (35.6) |
| Liabilities | 2,678.3 | 2,734.4 | (56.1) |
| Shareholders' equity | 899.7 | 874.6 | 25.1 |
| Accumulated other comprehensive income | 115.5 | 106.4 | 9.1 |
| Non-controlling interests, etc. | 615.0 | 607.6 | 7.4 |
| Net assets | 1,630.2 | 1,588.6 | 41.6 |
|  |  |  |  |
| Total liabilities and net assets | 4,308.5 | 4,323.0 | (14.5) |


| Net interest-bearing debts (*1) | $1,215.4$ | $1,228.2$ | $(12.8)$ |
| :--- | ---: | ---: | ---: |
| Net D/E ratio | 1.20 | 1.25 | $(0.05)$ |
| Net D/E ratio (inclld. non-controlling interests in the denominator) | 0.75 | 0.77 | $(0.02)$ | | Shareholders' equity | $1,015.2$ | 981.0 | 34.2 |
| :--- | ---: | ---: | ---: |
| Shareholders' equity ratio | $23.5 \%$ | $22.6 \%$ | $0.9 \%$ |

[^0]
## Consolidated Statements of Comprehensive Income

Exchange rate used to convert balance sheets for foreign subsidiaries

|  | Jun. 2015 | Mar. 2015 |
| :--- | ---: | ---: |
| For subsidiaries with April-March accounting period $(\nexists / U S \$)$ | 122.5 | 120.2 |
| For subsidiaries with April-March accounting period $(\not ¥ / €)$ | 137.2 | 130.3 |


|  | (Billions of Yen) |  |  |
| :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { 1Q of } \\ \text { FY2015 } \end{gathered}$ | $\begin{gathered} \text { 1Q of } \\ \text { FY2014 } \end{gathered}$ | Change |
| Net income(loss) attributable to Shareholders of the parent | 34.8 | 5.9 | 28.9 |
| Net income(loss) attributable to non-controlling interests | 16.1 | 6.1 | 10.0 |
| Net income (loss) | 50.9 | 12.0 | 38.9 |
| Other comprehensive income (loss): <br> Net unrealized holding gain (loss) on other securities <br> Gain (loss) on deferred hedges <br> Foreign currency translation adjustments <br> Remeasurements of defined benefit plans <br> Other comprehensive income (loss) for affiliates accounted for using equity method | $\begin{gathered} 9.9 \\ (0.1) \\ 5.3 \\ (0.6) \\ (0.9) \end{gathered}$ | $\begin{gathered} 5.0 \\ (0.3) \\ (6.2) \\ 0.0 \\ 2.5 \end{gathered}$ | $\begin{array}{r} 4.9 \\ 0.2 \\ 11.5 \\ (0.6) \\ (3.4) \end{array}$ |
| Other comprehensive income (loss), net | 13.6 | 1.0 | 12.6 |
| Total comprehensive income (loss) | 64.5 | 13.0 | 51.5 |
| Total comprehensive income (loss) attributable to : <br> Shareholders of the parent <br> Non-controlling interests | $\begin{aligned} & 44.9 \\ & 19.6 \end{aligned}$ | $\begin{aligned} & 8.7 \\ & 4.3 \\ & \hline \end{aligned}$ | $\begin{aligned} & 36.2 \\ & 15.3 \end{aligned}$ |

# Consolidated Statements of Operations (1H of FY2015 Forecast) 



## Consolidated Net Sales and Operating Income by Business Segment (1H of FY2015 Forecast)

|  |  |  |  |  |  | (Billions of Yen) | <Reference> |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { 1Q } \\ \text { Actual } \end{gathered}$ | $\begin{gathered} 2 \mathrm{Q} \\ \text { Forecast } \end{gathered}$ | $\begin{gathered} \text { 1H of } \\ \text { FY2015 } \\ \text { Forecast } \end{gathered}$ | 1H of FY2015 Forecast (announced on May 13) | Change | 1H of <br> FY2014 <br> Actual |
| Total | Net Sales | 941.0 | 989.0 | 1,930.0 | 1,920.0 | 10.0 | 1,672.3 |
|  | Operating Income | 71.0 | 39.0 | 110.0 | 95.0 | 15.0 | 73.7 |
| Electronics Applications | Net Sales | 29.3 | 30.7 | 60.0 | 60.0 | - | 57.5 |
|  | Operating Income | (0.1) | 0.1 | 0.0 | (0.5) | 0.5 | (1.1) |
| Designed Materials | Net Sales | 201.8 | 223.2 | 425.0 | 430.0 | (5.0) | 399.7 |
|  | Operating Income | 15.8 | 16.2 | 32.0 | 29.5 | 2.5 | 27.1 |
| Health Care | Net Sales | 128.2 | 123.8 | 252.0 | 252.0 | - | 255.8 |
|  | Operating Income | 25.0 | 6.5 | 31.5 | 31.5 | - | 39.8 |
| Chemicals | Net Sales | 326.6 | 346.4 | 673.0 | 653.0 | 20.0 | 428.7 |
|  | Operating Income | 21.5 | 11.0 | 32.5 | 21.5 | 11.0 | 1.5 |
| Polymers | Net Sales | 207.7 | 207.3 | 415.0 | 420.0 | (5.0) | 435.1 |
|  | Operating Income | 9.8 | 7.7 | 17.5 | 17.0 | 0.5 | 7.5 |
| Others | Net Sales | 47.4 | 57.6 | 105.0 | 105.0 | - | 95.5 |
|  | Operating Income | 0.5 | 0.0 | 0.5 | 0.0 | 0.5 | 2.2 |
| Corporate | Net Sales | - | - | - | - | - | - |
|  | Operating Income | (1.5) | (2.5) | (4.0) | (4.0) | - | (3.3) |

[^1]
*1 Effective from FY2015, certain businesses (including businesses in consolidated subsidiaries) have been reclassified from the Chemicals segment and the Others segment to the Designed Materials segment and the Polymers segment. Accordingly, segment information for FY2014 is restated to match.

Major reasons for the change:
(a) Increased sales in lithium-ion battery materials and coating materials for automobiles, etc.

$$
\begin{gathered}
\text { Consolidated Net Sales and Operating Income } \\
\text { by Business Sub-segment (Continued) }
\end{gathered}
$$

|  |  |  |  |  |  |  | (Billions of Yen) | <Reference> |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1Q <br> Actual | $\begin{gathered} 2 \mathrm{Q} \\ \text { Forecast } \end{gathered}$ | $\begin{aligned} & \text { 1H of } \\ & \text { FY2015 } \\ & \text { Forecast } \end{aligned}$ | 1H of FY2015 Forecast (announced on May 13) | Change | 1H of FY2014 Actual |
|  | Petrochemicals | Net Sales | 136.3 | 147.7 | 284.0 | 262.0 | 22.0 | 329.6 |
|  |  | Operating Income | 8.8 | 1.7 | 10.5 | 0.5 | 10.0 (a) | (3.0) |
|  | Carbon | Net Sales | 49.7 | 50.3 | 100.0 | 100.0 | - | 99.1 |
|  |  | Operating Income | 3.0 | 2.0 | 5.0 | 5.0 | - | 4.5 |
|  | Industrial Gases | Net Sales | 140.6 | 148.4 | 289.0 | 291.0 | (2.0) |  |
|  |  | Operating Income | 9.7 | 7.3 | 17.0 | 16.0 | 1.0 | - |
|  | Polyolefins and Advanced Polymers | Net Sales | 121.5 | 118.5 | 240.0 | 235.0 | 5.0 | 254.0 |
|  |  | Operating Income | 5.3 | 4.2 | 9.5 | 6.0 | 3.5 (b) | 2.4 |
|  | MMA Monomers and Polymers | Net Sales | 86.2 | 88.8 | 175.0 | 185.0 | (10.0) | 181.1 |
|  |  | Operating Income | 4.5 | 3.5 | 8.0 | 11.0 | (3.0) (c) | 5.1 |

*1 Effective from FY2015, certain businesses (including businesses in consolidated subsidiaries) have been reclassified from the Chemicals segment and the Others segment to the Designed Materials segment and the Polymers segment. Accordingly, segment information for FY2014 is restated to match.

Major reasons for the change:
(a) Favorable ethylene and monoethylene glycol market conditions, inventory valuation gain in naphtha, etc.
(b) Decreased inventory valuation loss in polyolefin, etc.
(c) Asian market decline, etc.

The forward-looking statements are based largely on company expectations and information available as of the date hereof, and are subject to risks and uncertainties, which may be beyond company control.

Actual results could differ materially due to numerous factors, including without limitation, marketing conditions and the effects of industry competition.


[^0]:    *1. Net interest-bearing debts ( $1,215.4$ billion yen)
    $=$ interest bearing debts ( $1,585.0$ billion yen)

    - \{cash and cash equivalents (263.2 billion yen) + investments of surplus funds ( 106.4 billion yen) \}

[^1]:    *1 Effective from FY2015, certain businesses (including businesses in consolidated subsidiaries) have been reclassified from the Chemicals segment and the Others segment to the Designed Materials segment and the Polymers segment. Accordingly, segment information for FY2014 is restated to match.

