# Operational Summary 

for the First Half of the Fiscal Year Ending March 31, 2014

October 31, 2013
Mitsubishi Chemical Holdings Corporation

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## List of Abbreviations

| FY2013: | April 1, 2013 - March 31, 2014 |  |
| :---: | :---: | :---: |
|  | 1st Quarter ("1Q") of FY2013: April 1, 2013 - June 30, 2013 |  |
|  | 2nd Quarter ("2Q") of FY2013: July 1, 2013 - September 30, 2013 | ( 1H') of FY2013 |
|  | 3rd Quarter ("3Q") of FY2013: October 1, 2013 - December 31, 2013 | d Half ("2H") of FY2013 |
|  | 4th Quarter ("4Q") of FY2013: January 1, 2014 - March 31, 2014 | d Haif ( 2 H ) Of FY2013 |
| FY2012: | April 1, 2012 - March 31, 2013 |  |
|  | 1st Quarter ("1Q") of FY2012: April 1, 2012 - June 30, 2012 |  |
|  | 2nd Quarter ("2Q") of FY2012: July 1, 2012 - September 30, 2012 |  |
|  |  |  |
|  |  |  |
| MCHC | Mitsubishi Chemical Holdings Corporation |  |
| MCC | Mitsubishi Chemical Corporation |  |
| MTPC | Mitsubishi Tanabe Pharma Corporation |  |
| MPI | Mitsubishi Plastics, Inc. |  |
| MRC | Mitsubishi Rayon Co., Ltd |  |
| (Note) |  |  |
| Divisional numbers of 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 and Pharmaceutical Ingredients/Formulations |  |
|  | Petrochemicals |  |
|  | Carbon |  |
| Polyolefins and Advanced Polymers |  |  |
| MMA Monomers and Polymers 3 |  |  |

## Consolidated Statements of Operations



## Consolidated Net Sales and Operating Income by Business Segment

|  |  |  |  |  |  | (Billions of Yen) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1Q | 2Q | $\begin{aligned} & \text { 1H of } \\ & \text { FY2013 } \end{aligned}$ | $\begin{aligned} & \text { 1H of } \\ & \text { FY2012 } \end{aligned}$ | Change |
| Total | Net Sales | 781.3 | 830.3 | 1,611.6 | 1,529.8 | 81.8 |
|  | Operating income | 23.5 | 27.9 | 51.4 | 41.1 | 10.3 |
| Electronics Applications | Net Sales | 28.4 | 28.4 | 56.8 | 60.5 | (3.7) |
|  | Operating income | (1.2) | (1.4) | (2.6) | (1.3) | (1.3) |
| Designed Materials | Net Sales | 177.2 | 188.8 | 366.0 | 340.5 | 25.5 |
|  | Operating income | 11.1 | 11.3 | 22.4 | 10.5 | 11.9 |
| Health Care | Net Sales | 127.6 | 127.1 | 254.7 | 250.8 | 3.9 |
|  | Operating income | 18.6 | 16.5 | 35.1 | 36.0 | (0.9) |
| Chemicals | Net Sales | 223.3 | 237.5 | 460.8 | 443.6 | 17.2 |
|  | Operating income | (1.4) | 1.6 | 0.2 | (5.4) | 5.6 |
| Polymers | Net Sales | 180.8 | 199.4 | 380.2 | 341.9 | 38.3 |
|  | Operating income | (1.4) | 0.4 | (1.0) | 2.9 | (3.9) |
| Others | Net Sales | 44.0 | 49.1 | 93.1 | 92.5 | 0.6 |
|  | Operating income | (0.5) | 0.9 | 0.4 | 2.5 | (2.1) |
| Corporate | Net Sales | - | - | - | - | - |
|  | Operating income | (1.7) | (1.4) | (3.1) | (4.1) | 1.0 |

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



## Major reasons for the change:

(a) Decreased sales of recording media and price down of red phosphor
(b) Increased sales of polyester films, composite materials and carbon fiber and Increased margin of export products due to the yen's depreciation
(c) Increased sales for OPL film and increased margin of exports due to the yen's depreciation
(d) Increased overseas royalty revenue $s$ was offset by decreased sales of ethical pharmaceuticals in Japan and decrease margin due to product mix

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

|  |  |  |  |  |  |  | $\begin{aligned} & \text { 1H of } \\ & \text { FY2012 } \end{aligned}$ | (Billions of Yen) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1Q | 2Q | $\begin{aligned} & \text { 1H of } \\ & \text { FY2013 } \end{aligned}$ |  |  | Change |
|  | Petrochemicals | Net Sales | 171.7 | 186.8 |  | 358.5 | 323.7 | 34.8  <br> 6.7  <br> (a)  |
|  |  | Operating income | (3.9) | (0.2) |  | (4.1) | (10.8) |  |
|  | Carbon | Net Sales | 51.6 | 50.7 |  | 02.3 | 119.9 | (17.6) |
|  |  | Operating income | 2.5 | 1.8 |  | 4.3 | 5.4 | (1.1) (b) |
|  | Polyolefins and Advanced Polymers | Net Sales | 112.7 | 123.7 |  | 236.4 | 211.1 | 25.3 |
|  |  | Operating income | (1.2) | 0.4 |  | (0.8) | (2.0) | 1.2 (c) |
|  | MMA Monomers and Polymers | Net Sales | 68.1 | 75.7 |  | 43.8 | 130.8 | 13.0 |
|  |  | Operating income | (0.2) | 0.0 |  | (0.2) | 4.9 | (5.1) (d) |
| Inventory valuation gain/loss |  |  | $\begin{array}{\|c\|} \hline 1 \mathrm{Q} \text { of } \\ \text { FY2013 } \end{array}$ | $\begin{array}{\|c\|} \hline 2 \mathrm{Q} \text { of } \\ \text { FY2013 } \\ \hline \end{array}$ | $\begin{gathered} \text { 1H of } \\ \text { FY } 2013 \end{gathered}$ | $\begin{gathered} \text { 1H of } \\ \text { FY } 2012 \end{gathered}$ | Change |  |
| Chemicals (Petrochemicals) |  |  | (1.4) | 0.4 | (1.0) | (1.4) | 0.4 |  |
| Chemicals (Carbon) |  |  | 0.2 | (0.1) | 0.1 | (0.4) | 0.5 |  |
| Polymers (Polyolefins and Advanced Polymers) |  |  | 3.6 | 0.7 | 4.3 | 0.9 | 3.4 |  |
|  |  |  | 2.4 | 1.0 | 3.4 | (0.9) | 4.3 |  |

Major reasons for the change:
(a) Increased volume of PTA due to the improved operation of India's 2nd plant and cost reduction
(b) Decreased price of high-performance graphite and decreased margin of synthetic rubber
(c) Inventory valuation gain offset decreased margin of polyolefin
(d) Decreased margin of MMA due to unfavorable market in China and increase in cost due to delay of resume operation in US plant

## Analysis of Operating Income

 (1H of FY2013 vs. 1H of FY2012)|  | (Billions of Yen) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Analysis |  |  |  |  |  |
|  | $\begin{aligned} & \text { 1H of } \\ & \text { FY2013 } \end{aligned}$ | $\begin{aligned} & \text { 1H of } \\ & \text { FY2012 } \end{aligned}$ | Change | Price | Volume | Cost reduction | Inventory Valuation gain/loss | Others <br> * |
| Total | 51.4 | 41.1 | 10.3 | (5.0) | 1.7 | 11.3 | 4.3 | (2.0) |
| Electronics Applications | (2.6) | (1.3) | (1.3) | (1.1) | (1.9) | 2.3 | - | (0.6) |
| Designed Materials | 22.4 | 10.5 | 11.9 | 1.5 | 4.7 | 2.5 |  | 3.2 |
| Health Care | 35.1 | 36.0 | (0.9) | (0.8) | (0.7) | 0.5 |  | 0.1 |
| Chemicals | 0.2 | (5.4) | 5.6 | 0.6 | 1.1 | 3.1 | 0.9 | (0.1) |
| Polymers | (1.0) | 2.9 | (3.9) | (5.2) | (0.6) | 1.9 | 3.4 | (3.4) |
| Others | 0.4 | 2.5 | (2.1) | - | (0.9) | 1.0 |  | (2.2) |
| Corporate | (3.1) | (4.1) | 1.0 | - | - | 0.0 |  | 1.0 |

* Others contain impact of the unification of depreciation method


## Consolidated Extraordinary Gain and Loss

|  |  |  | $\begin{aligned} & \text { 1H of } \\ & \text { FY2013 } \end{aligned}$ | $\begin{aligned} & \text { 1H of } \\ & \text { FY2012 } \end{aligned}$ | (Billions of Yen) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { 1Q of } \\ \text { FY2013 } \end{gathered}$ | $\begin{gathered} 2 \mathrm{Q} \text { of } \\ \mathrm{FY} 2013 \end{gathered}$ |  |  | Change |
| Net of extraordinary gain and loss | 4.1 | 16.8 | 20.9 | (3.7) | 24.6 |
| Extraordinary gain | 4.7 | 19.0 | 23.7 | 8.9 | 14.8 |
| Profit on arbitration award | - | 11.0 | 11.0 | - | 11.0 |
| Gain on sales of investment securities | 2.7 | 5.1 | 7.8 | 1.9 | 5.9 |
| Gain on sales of property, plant and equipment | 0.4 | 1.5 | 1.9 | 3.7 | (1.8) |
| Gain on negative goodwill | 1.6 | 0.2 | 1.8 | 1.8 | - |
| Gain on step acquisitions | - | 0.9 | 0.9 | - | 0.9 |
| Others | - | 0.3 | 0.3 | 1.5 | (1.2) |
| Extraordinary loss | (0.6) | (2.2) | (2.8) | (12.6) | 9.8 |
| Business structure improvement expenses | - | (0.5) | (0.5) | (6.6) | 6.1 |
| Loss on sales and retirement of property, plant and equipment | (0.5) | (0.5) | (1.0) | (0.9) | (0.1) |
| Impairment loss | - | (1.0) | (1.0) | (1.2) | 0.2 |
| Others | (0.1) | (0.2) | (0.3) | (3.9) | 3.6 |

## Consolidated Cash Flows

|  | Based on statements of cash flows |  |
| :---: | :---: | :---: |
|  | $\begin{gathered} \text { 1H of } \\ \text { FY2013 } \end{gathered}$ | $\begin{gathered} \text { 1H of } \\ \text { FY2012 } \end{gathered}$ |
| Net cash provided by operating activities | 89.8 | 94.9 |
| Income before income taxes and minority interests | 71.1 | 30.2 |
| Depreciation and amortization | 60.1 | 63.6 |
| Amortization of goodwill | 6.8 | 5.8 |
| Change in operating receivables/payables | (11.3) | 11.9 |
| Change in Inventories | (7.0) | (6.2) |
| Others | (29.9) | (10.4) |
| Net cash used in investment activities | (64.2) | (67.0) |
| Capital expenditure | (59.3) | (60.6) |
| Sales of fixed assets and investment securities | 19.4 | 15.2 |
| Investment and loans receivable etc. | (24.3) | (21.6) |
| Free cash flow | 25.6 | 27.9 |
| Net cash used in financing activities | (6.8) | (51.0) |
| Interest-bearing debts | 12.5 | (30.3) |
| Dividends, etc. | (19.3) | (20.7) |
| Increase (Decrease) in cash and cash equivalents | 18.8 | (23.1) |
| Effect of exchange rate changes and change in scope of consolidation | 11.7 | 0.4 |
| Cash and cash equivalents at the beginning of the period | 153.1 | 133.1 |
| Cash and cash equivalents at the end of the period | 183.6 | 110.4 |

Adjusted by excluding cash
flows from investment of
surplus funds

|  | (Billions of Yen) |
| :---: | :---: |
| 1H of FY2013 <br> Excluded 20.8 billion yen | 1H of FY2012 <br> Excluded (12.8) billion yen |
| 89.8 | 94.9 |
| 71.1 | 30.2 |
| 60.1 | 63.6 |
| 6.8 | 5.8 |
| (11.3) | 11.9 |
| (7.0) | (6.2) |
| (29.9) | (10.4) |
| (85.0) | (54.2) |
| (59.3) | (60.6) |
| 19.4 | 15.2 |
| + (45.1) | (8.8) |
| 4.8 | 40.7 |

*including Medicago acquisition and Quadrant additional purchase to $100 \%$ share

## Consolidated Balance Sheets

|  | (Billions of Yen) |  |  |
| :--- | ---: | ---: | ---: |
|  | Sep. 30, 2013 | Mar. 31, 2013 | Change |
| Cash and deposits | 119.4 | 116.0 | 3.4 |
| Inventories | 570.8 | 547.0 | 23.8 |
| Trade receivables | 573.1 | 588.2 | $(15.1)$ |
| Others | 206.8 | 205.5 | 1.3 |
| Current assets | $1,470.1$ | $1,456.7$ | 13.4 |
| Tangible and intangible fixed assets | $1,180.8$ | $1,126.8$ | 54.0 |
| Goodwill | 194.3 | 179.9 | 14.4 |
| Investment and Others | 528.3 | 544.4 | $(16.1)$ |
| Non-current assets | $1,903.4$ | $1,851.1$ | 52.3 |
| Total assets | $3,373.5$ | $3,307.8$ | 65.7 |


|  | (Billions of Yen) |  |  |
| :---: | :---: | :---: | :---: |
|  | Sep. 30, 2013 | Mar. 31, 2013 | Change |
| Interest-bearing debts | 1,231.5 | 1,198.8 | 32.7 |
| Trade payables | 394.2 | 417.0 | (22.8) |
| Others | 474.6 | 488.7 | (14.1) |
| Liabilities | 2,100.3 | 2,104.5 | (4.2) |
| Shareholders' equity | 853.9 | 835.5 | 18.4 |
| Accumulated other comprehensive income | 23.6 | (20.0) | 43.6 |
| Minorities interests, etc. | 395.7 | 387.8 | 7.9 |
| Net assets | 1,273.2 | 1,203.3 | 69.9 |
| Total liabilities and net assets | 3,373.5 | 3,307.8 | 65.7 |


| Net Interest-bearing debts (*1) | 961.8 | 938.6 |  |
| :--- | ---: | ---: | ---: |
| Net D/E ratio | 1.10 | 1.15 |  |
| Net D/E ratio (incl. Minority interests in the denominator) | 0.76 | 23.2 |  |
|  | $(0.05)$ |  |  |
| Shareholders' equity (*2) | 0.78 | $(0.02)$ |  |
| Shareholders' equity ratio | 877.5 | 815.5 | 62.0 |

*1. Net interest-bearing debts ( 961.8 billion yen)
interest-bearing debts (1,231.5 bilion yen)

- \{cash and cash equivalents (183.6 billion yen) + investments of surplus funds (86.1 billion yen)\}
*2. Represents the sum of shareholders' equity and accumulated other comprehensive income per the above $B / S$.


## Consolidated Statements of Comprehensive Income

| Exchange rates | $\begin{aligned} & \hline \text { Jun. } 2013 \\ & \text { Sep. } 2013 \\ & \hline \end{aligned}$ | Dec. 2012 Mar. 2013 |
| :---: | :---: | :---: |
| For subsidiaries with calendar-year accounting period (¥/US\$) | 98.6 | 86.6 |
| For subsidiaries with April-March accounting period (¥/US\$) | 97.8 | 94.1 |
| For subsidiaries with calendar-year accounting period ( $\ddagger$ /€) | 128.5 | 114.7 |
| For subsidiaries with April-March accounting period (¥! | 131.9 | 120.7 |


|  | (Billions of Yen) |  |  |
| :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { 1H of } \\ \text { FY2013 } \end{gathered}$ | $\begin{gathered} \text { 1H of } \\ \text { FY2012 } \end{gathered}$ | Change |
| Net income | 27.3 | 3.3 | 24.0 |
| Minority interests in consolidated subsidiaries | 15.7 | 11.2 | 4.5 |
| Income before minority interests | 43.0 | 14.5 | 28.5 |
| Other comprehensive income : <br> Net unrealized holding gain (loss) on other securities <br> Loss on deferred hedges <br> Foreign currency translation adjustments <br> Unfunded retirement benefit obligation with respect to a foreign subsidiary <br> Other comprehensive income of affiliates accounted for using equity method | $\begin{gathered} 9.6 \\ (0.8) \\ 37.7 \\ 0.1 \\ 2.8 \end{gathered}$ | $\begin{gathered} (9.9) \\ (0.5) \\ 7.0 \\ 0.2 \\ (0.7) \end{gathered}$ | $\begin{gathered} 19.5 \\ (0.3) \\ 30.7 \\ (0.1) \\ 3.5 \end{gathered}$ |
| Other comprehensive income, net | 49.4 | (3.9) | 53.3 |
| Total comprehensive income | 92.4 | 10.6 | 81.8 |
| Total comprehensive income attributable to: |  |  |  |
| Shareholders of the parent | 70.9 | (0.5) | 71.4 |
| Minority interests | 21.5 | 11.1 | 10.4 |


| Exchange rate for transactions in US\$ ( $¥ / \mathrm{US} \$$ ) |
| :--- |
| Exchange rate to translate foreign statements with calendar-year accounting period (¥/US\$) |
| Naphtha price ( $¥ / \mathrm{kl}$ ) |


| 98.6 | 98.0 | 98.3 | 83.3 | 15.0 |
| :---: | :---: | :---: | :---: | :---: |
| 95.9 | 98.0 | 97.0 | 80.1 | 16.9 |
| 64,850 | 67,000 | 65,925 | 57,500 | 8,425 |


| 95.0 |
| ---: |
| 94.4 |
| 64,000 |


|  | (Billions of Yen) |  |  |  |  | \% | <reference> |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { 1H of } \\ & \text { FY2013 } \\ & \text { (Actual) } \end{aligned}$ | $\begin{aligned} & \text { 2H of } \\ & \text { FY2013 } \\ & \text { (Forecast) } \end{aligned}$ | FY2013 <br> (Revised <br> Forecast) | $\begin{aligned} & \text { FY2012 } \\ & \text { (Actual) } \end{aligned}$ | Change |  | FY2013 <br> (Initial <br> Forecast <br> Announced on May 9) |
| Net sales | 1,611.6 | 1,888.4 | 3,500.0 | 3,088.6 | 411.4 | 13.3\% | 3,570.0 |
| Operating income | 51.4 | 81.6 | 133.0 | 90.2 | 42.8 | 47.5\% | 158.0 |
| Expenses on financing activities <br> [Dividend income included in above] <br> Equity in earnings of non-consolidated subsidiaries and affiliates <br> Other non-operating income (expenses) | $(2.7)$ $[3.8]$ 1.0 0.5 | $\begin{gathered} \hline(5.3) \\ {[2.7]} \\ 3.5 \\ (5.0) \\ \hline \end{gathered}$ | $(8.0)$ $[6.5]$ 4.5 $(4.5)$ | $\begin{gathered} (4.1) \\ {[8.9]} \\ 3.2 \\ (2.2) \end{gathered}$ | $\begin{gathered} (3.9) \\ {[(2.4)]} \\ 1.3 \\ (2.3) \end{gathered}$ |  | $\begin{array}{r} (8.0) \\ 6.0 \\ 4.0 \\ (11.0) \\ \hline \end{array}$ |
| Ordinary income | 50.2 | 74.8 | 125.0 | 87.1 | 37.9 | 43.5\% | 143.0 |
| Extraordinary gain <br> Extraordinary loss | $\begin{gathered} 23.7 \\ (2.8) \end{gathered}$ | $\begin{array}{r} 2.3 \\ (19.2) \end{array}$ | $\begin{gathered} 26.0 \\ (22.0) \end{gathered}$ | $\begin{gathered} 21.2 \\ (25.4) \end{gathered}$ | 4.8 <br> 3.4 |  | $\begin{gathered} 12.0 \\ (19.0) \end{gathered}$ |
| Income before income taxes and minority interests | 71.1 | 57.9 | 129.0 | 82.9 | 46.1 |  | 136.0 |
| Current and deferred income taxes | (28.1) | (23.9) | (52.0) | (40.1) | (11.9) |  | (52.0) |
| Income before minority interests | 43.0 | 34.0 | 77.0 | 42.8 | 34.2 |  | 84.0 |
| Minority interests in consolidated subsidiaries | (15.7) | (15.3) | (31.0) | (24.2) | (6.8) |  | (33.0) |
| Net income | 27.3 | 18.7 | 46.0 | 18.6 | 27.4 | 147.3\% | 51.0 |

Consolidated Net Sales and Operating Income by Business Segment (Revised Forecast for FY2013)


## Consolidated Net Sales and Operating Income by Business Sub-segment (Revised Forecast for FY2013)

|  |  |  | (Billions of Yen) |  |  |  |  | (impact of theunififation ofaccountingperiod) | (Reference) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{gathered} \text { 1H of } \\ \text { FY2013 } \\ \text { (Actual) } \end{gathered}$ | 2H of FY2013 (Revised Forecast) | FY2013 (Revised Forecast) | $\begin{aligned} & \text { FY2012 } \\ & \text { (Actual) } \end{aligned}$ | Change |  | FY2013 (Initial Forecast announced on May 9) |
| Electronics Applications |  | Net Sales | 56.8 | 83.2 | 140.0 | 118.2 | 21.8 |  | 160.0 |
|  |  | Operating Income | (2.6) | (0.9) | (3.5) | (5.1) | 1.6 | 0.5 | (1.0) |
|  | Functional Products | Net Sales | 252.5 | 302.5 | 555.0 | 478.0 | 77.0 |  | 565.0 |
|  |  | Operating Income | 11.6 | 12.4 | 24.0 | 7.6 | 16.4 | 1.0 | 21.0 |
|  | Performance Chemicals | Net Sales | 113.5 | 141.5 | 255.0 | 211.7 | 43.3 | 1.3 | 255.0 |
|  |  | Operating Income | 10.8 | 14.7 | 25.5 | 14.9 | 10.6 |  | 24.0 |
|  | Pharmaceuticals | Net Sales | 202.8 | 216.2 | 419.0 | 419.1 | (0.1) | - | 417.0 |
|  |  | Operating Income | 32.9 | 34.6 | 67.5 | 73.5 | (6.0) |  | 74.5 |
|  | Diagnostics and Pharmaceutical Ingredients/Formulations | Net Sales | 51.9 | 68.1 | 120.0 | 95.3 | 24.7 |  | 120.0 |
|  |  | Operating Income | 2.2 | 2.8 | 5.0 | 1.4 | 3.6 | 0.1 | 5.5 |

## Consolidated Net Sales and Operating Income by Business Sub-segment (Continued) (Revised Forecast for FY2013)

|  |  |  | (Billions of Yen) |  |  |  |  | (Impact of the unification of accounting period) | (Reference) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1H of <br> FY2013 <br> (Actual) | 2H of <br> FY2013 <br> (Revised <br> Forecast) | FY2013 <br> (Revised <br> Forecast) | $\begin{aligned} & \text { FY2012 } \\ & \text { (Actual) } \end{aligned}$ | Change |  | FY2013 <br> (Initial Forecast announced on May 9) |
|  | Petrochemicals | Net Sales | 358.5 | 371.5 | 730.0 | 678.6 | 51.4 | - | 780.0 |
|  |  | Operating Income | (4.1) | 0.6 | (3.5) | (13.0) | 9.5 |  | 4.5 |
|  | Carbon | Net Sales | 102.3 | 107.7 | 210.0 | 225.0 | (15.0) |  | 210.0 |
|  |  | Operating Income | 4.3 | 4.7 | 9.0 | 12.8 | (3.8) | - | 10.0 |
|  | Polyolefins and Advanced Polymers | Net Sales | 236.4 | 263.6 | 500.0 | 425.3 | 74.7 | 0.5 | 500.0 |
|  |  | Operating Income | (0.8) | 5.8 | 5.0 | (6.0) | 11.0 |  | 6.0 |
|  | MMA Monomers and Polymers | Net Sales | 143.8 | 206.2 | 350.0 | 250.4 | 99.6 |  | 350.0 |
|  |  | Operating Income | (0.2) | 7.2 | 7.0 | 6.1 | 0.9 | 5.4 | 16.5 |


| Inventory valuation gain/loss |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 1 \mathrm{Q} \text { of } \\ & \text { FY2013 } \\ & \text { (Actual) } \end{aligned}$ | $\begin{aligned} & 2 Q \text { of } \\ & \text { FY2013 } \\ & \text { (Actual) } \end{aligned}$ |  | FY2013 <br> (Revised <br> Forecast) | $\left.\begin{array}{\|c\|} \hline \text { FY2013 } \\ \text { (Revised } \\ \text { Forecast) } \end{array} \right\rvert\,$ | $\begin{aligned} & \text { FY2012 } \\ & \text { (Actual) } \end{aligned}$ | Change |
| Chemicals (Petrochemicals) | (1.4) | 0.4 | (1.0) | 0.8 | (0.2) | 6.0 | (6.2) |
| Chemicals (Carbon) | 0.2 | (0.1) | 0.1 | 0.0 | 0.1 | (0.4) | 0.5 |
| Polymers (Polyolefins and Advanced Polymers) | 3.6 | 0.7 | 4.3 | 1.8 | 6.1 | 8.1 | (2.0) |
| Total | 2.4 | 1.0 | 3.4 | 2.6 | 6.0 | 13.7 | (7.7) |

## Cash Dividends

|  |  | FY2013 <br> Forecast | FY2012 Actual | FY2011 Actual | FY2010 Actual | FY2009 Actual |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cash dividends per share (Yen) | Interim | 6 | 6 | 5 | 5 | 4 |
|  | Year-end | 6 | 6 | 5 | 5 | 4 |
|  | Total (Annual) | 12 | 12 | 10 | 10 | 8 |
| Total of cash dividends (Billions of yen) | Interim | 8.8 | 8.8 | 7.4 | 6.9 | 5.5 |
|  | Year-end | 8.8 | 8.8 | 7.4 | 7.4 | 5.5 |
|  | Total (Annual) | 17.6 | 17.6 | 14.8 | 14.3 | 11.0 |
| Net income per share (Yen) | - | ¥31.23 | ¥12.61 | ¥24.06 | ¥58.72 | $¥ 9.32$ |
| Consolidated dividend payout ratio | - | 38.4\% | 95.2\% | 41.6\% | 17.0\% | 85.8\% |

Quarterly Operating Income (excl. Health Care)

Forecast Reference
Analysis of Operating Income (3Q Forecast vs. 4Q Forecast)


Consolidated Capital Expenditure, Depreciation \& Amortization, R\&D Expenses, and Number of Employees by Business Segment

|  | Capital Expenditure (Tangible) |  | Depreciation and Amortization |  | R\&D Expenses |  | Number of Employees |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1H of FY2013 | $\begin{aligned} & \text { 1H of } \\ & \text { FY2012 } \end{aligned}$ | 1H of FY2013 | $\begin{aligned} & \text { 1H of } \\ & \text { FY2012 } \end{aligned}$ | 1H of <br> FY2013 | 1H of FY2012 | 1H of FY2013 <br> (End of the period) |
| Electronics Applications | 2.7 | 2.8 | 2.5 | 3.0 | 4.4 | 4.3 | 2,856 |
| Designed Materials | 21.4 | 25.3 | 17.5 | 21.3 | 11.5 | 12.0 | 16,292 |
| Health Care | 9.6 | 7.7 | 7.0 | 7.2 | 39.0 | 38.5 | 14,017 |
| Chemicals | 11.7 | 9.8 | 14.0 | 13.7 | 1.7 | 2.5 | 4,870 |
| Polymers | 8.3 | 11.8 | 16.5 | 15.7 | 6.7 | 6.9 | 7,965 |
| Others | 1.7 | 1.8 | 1.7 | 1.7 | 0.2 | 0.2 | 9,736 |
| Corporate | 0.3 | 4.8 | 0.9 | 1.0 | 2.0 | 2.3 | 903 |
| Total | 55.7 | 64.0 | 60.1 | 63.6 | 65.5 | 66.7 | 56,639 |

Major Subsidiaries

*1 Adjustments for MCHC consolidation

- Those for net sales primarily represent elimination of internal transactions.
- Those for operating income primarily represent amortization of goodwill as well as elimination of internal transactions.

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.

