

# 2006 Site Report

Overseas Group

## ROHM KOREA CORPORATION 371-11 Gasan-Dong, Gumcheon-ku, Seoul 153-803 Korea



### Products Items

Monolithic ICs, Transistors, Diodes, LEDs, Sensors, Resistors, LED Displays

2002 Designated by the Head of the Ministry of Environment as an environmentally conscious company  
2005 Received an award for environmental conservation efforts  
2006 Received an award from Head of the Ministry of Environment (Minister)

| Item                                    | Fiscal Year | 2004                        | 2005                        | 2006                        |
|---|-------------|-----------------------------|-----------------------------|-----------------------------|
| Electric-power consumption              |             | 50,431,288 kwh              | 56,263,737 kwh              | 51,745,537 kwh              |
| Fuel consumption                        |             | 89,140 kl                   | 92,198 kl                   | 90,186 kl                   |
| Water consumption                       |             | 183 Thousand m <sup>3</sup> | 160 Thousand m <sup>3</sup> | 173 Thousand m <sup>3</sup> |
| Total amount of waste generated         |             | 1,006 t                     | 1,123 t                     | 1,057 t                     |
| Amount of waste disposed of by landfill |             | 9 t                         | 4 t                         | 6 t                         |
| Waste-recycling ratio                   |             | 99.1 %                      | 99.6 %                      | 99.4 %                      |
| Emissions into water: BOD               |             | 0.3 t                       | 0.1 t                       | 0.1 t                       |
| : COD                                   |             | 1.0 t                       | 0.7 t                       | 0.9 t                       |
| Atmospheric emissions: SOx              |             | 0.2 t                       | 0 t                         | 0 t                         |

| Ordinance number | Substance                              | FY 2004<br>Amount used | FY 2005<br>Amount used | FY 2006     |                 |                    |                 |                   | Amount recycled |
|------------------|--|------------------------|------------------------|-------------|-----------------|--------------------|-----------------|-------------------|-----------------|
|                  |  |                        |                        | Amount used | Amount released | Amount transferred | Amount consumed | Amount eliminated |                 |
| 25               | Antimony and its compounds             | 8.1                    | 11.5                   | 12.6        | -               | -                  | 4.9             | -                 | 7.7             |
| 30               | Bisphenol-A epoxy resin                | 11.6                   | 8.8                    | 10.1        | -               | -                  | 7.1             | -                 | 3.0             |
| 64               | Silver and its water-soluble compounds | 1.4                    | 1.4                    | -           | -               | -                  | -               | -                 | -               |

The amount of PRTR substances was reported to be at least 1t a year

## ROHM ELECTRONICS PHILIPPINES, INC.

People's Technology Complex Special Economic Zone, Carmona, Cavite 4116 Philippines



### Products Items

Monolithic ICs, Transistors, Diodes, Resistors

| Item                                    | Fiscal Year | 2004                          | 2005                          | 2006                          |
|---|-------------|-------------------------------|-------------------------------|-------------------------------|
| Electric-power consumption              |             | 42,461 kl                     | 49,067 kl                     | 50,985 kl                     |
| Water consumption                       |             | 1,015 Thousand m <sup>3</sup> | 1,226 Thousand m <sup>3</sup> | 1,344 Thousand m <sup>3</sup> |
| Total amount of waste generated         |             | 1,775 t                       | 1,959 t                       | 1,592 t                       |
| Amount of waste disposed of by landfill |             | 9.8 t                         | 9.1 t                         | 4.3 t                         |
| Waste-recycling ratio                   |             | 99.4 %                        | 99.5 %                        | 99.7 %                        |
| Emissions into water: BOD               |             | 1.7 t                         | 2.3 t                         | 3.2 t                         |
| : COD                                   |             | 4.7 t                         | 11.0 t                        | 8.2 t                         |
| Atmospheric emissions: NOx              |             | 1,058 t                       | 1,173 t                       | 1,336 t                       |
| : SOx                                   |             | 837 t                         | 837 t                         | 806 t                         |
| : Dust                                  |             | 50.5 t                        | 56 t                          | 64 t                          |

| Ordinance number | Substance                              | FY 2004<br>Amount used | FY 2005<br>Amount used | FY 2006     |                 |                    |                 |                   | Amount recycled |
|------------------|--|------------------------|------------------------|-------------|-----------------|--------------------|-----------------|-------------------|-----------------|
|                  |  |                        |                        | Amount used | Amount released | Amount transferred | Amount consumed | Amount eliminated |                 |
| 25               | Antimony and its compounds             | 16.8                   | 18.4                   | 18          | -               | -                  | 13              | -                 | 5               |
| 43               | Ethylene glycol                        | 3.0                    | 7                      | 2           | -               | -                  | -               | -                 | 2               |
| 64               | Silver and its water-soluble compounds | 11.3                   | 12                     | 12          | -               | -                  | 11              | -                 | 1               |
| 231              | Nickel                                 | 18.1                   | 20                     | 20          | -               | -                  | 19              | -                 | 1               |
| 232              | Nickel compounds                       | 7.9                    | 11                     | 9           | -               | -                  | 7               | -                 | 2               |

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## ROHM INTEGRATED SYSTEMS (THAILAND) CO., LTD.

101/94, 102 Navanakorn Industrial Zone, Moo 20, Phaholyothin Road, Tambol Khlong-Nueng, Amphur Khlong-Luong, Pathumthani 12120 Thailand



### Products Items

Monolithic ICs, Resistors, Capacitors, Transistors, Diodes

| Item                                    | Fiscal Year | 2004                        | 2005                        | 2006                          |
|---|-------------|-----------------------------|-----------------------------|-------------------------------|
| Electric-power consumption              |             | 160,989,360 kwh             | 188,626,649 kwh             | 184,366,000 kwh               |
| Fuel consumption                        |             | 128 kl                      | 78 kl                       | 79 kl                         |
| Water consumption                       |             | 974 Thousand m <sup>3</sup> | 984 Thousand m <sup>3</sup> | 1,036 Thousand m <sup>3</sup> |
| Total amount of waste generated         |             | 4,030 t                     | 4,315 t                     | 4,024 t                       |
| Amount of waste disposed of by landfill |             | 65 t                        | 42 t                        | 49 t                          |
| Waste-recycling ratio                   |             | 98.4 %                      | 99.0 %                      | 99.0 %                        |
| Emissions into water: BOD               |             | 3.6 t                       | 6.0 t                       | 5.0 t                         |
| : COD                                   |             | 15.7 t                      | 21.6 t                      | 18.0 t                        |

| Ordinance number | Substance                              | FY 2004<br>Amount used | FY 2005<br>Amount used | FY 2006     |                 |                    |                 |                   | Amount recycled |
|------------------|--|------------------------|------------------------|-------------|-----------------|--------------------|-----------------|-------------------|-----------------|
|                  |  |                        |                        | Amount used | Amount released | Amount transferred | Amount consumed | Amount eliminated |                 |
| 25               | Antimony and its compounds             | 18.8                   | 18.4                   | 15.6        | -               | -                  | 3.2             | -                 | 12.4            |
| 43               | Ethylene glycol                        | 4.4                    | 5.3                    | 1.7         | -               | -                  | -               | -                 | 1.7             |
| 64               | Silver and its water-soluble compounds | 7.4                    | 10.8                   | 7.7         | -               | -                  | 6.1             | -                 | 1.6             |
| 231              | Nickel                                 | 24                     | 27.8                   | 25.5        | -               | -                  | 24.5            | -                 | 1.0             |
| 232              | Nickel compounds                       | 2.5                    | 12.9                   | 11.6        | -               | -                  | 9.3             | -                 | 2.3             |

The amount of PRTR substances was reported to be at least 1t a year

## ROHM SEMICONDUCTOR(CHINA)CO., LTD.

No.7, Weisi Road, Micro-electronics Industrial Park, Jingang Highway, Xiqing District, Tianjin 300385 China



### Products Items

Transistors, Diodes, Laser Diodes, LEDs, LED Displays, Sensors, Resistors, Capacitors

2006 Outstanding unit in the development district for environmental protection efforts

| Item                                    | Fiscal Year | 2004                        | 2005                        | 2006                        |
|---|-------------|-----------------------------|-----------------------------|-----------------------------|
| Electric-power consumption              |             | 52,561,800 kwh              | 63,406,000 kwh              | 66,426,200 kwh              |
| Water consumption                       |             | 427 Thousand m <sup>3</sup> | 452 Thousand m <sup>3</sup> | 589 Thousand m <sup>3</sup> |
| Total amount of waste generated         |             | 557 t                       | 862 t                       | 893 t                       |
| Amount of waste disposed of by landfill |             | 357 t                       | 485 t                       | 489 t                       |
| Waste-recycling ratio                   |             | 35.9 %                      | 43.7 %                      | 45.2 %                      |
| Emissions into water: BOD               |             | 4.2 t                       | 6.2 t                       | 8 t                         |
| : COD                                   |             | 19.8 t                      | 26.1 t                      | 33 t                        |

### PRTR Units (t)

| Ordinance number | Substance   | FY 2004     | FY 2005     | FY 2006     |                 |                    |                 |                   |                 |
|------------------|---|-------------|-------------|-------------|-----------------|--------------------|-----------------|-------------------|-----------------|
|                  |   | Amount used | Amount used | Amount used | Amount released | Amount transferred | Amount consumed | Amount eliminated | Amount recycled |
| 25               | Antimony and its compounds  | 1.3         | 1.9         | 1.4         | —               | 1.2                | 0.2             | —                 | —               |
| 30               | Bisphenol-A epoxy resin   | 17.5        | 23.8        | 19.4        | —               | 16.5               | 2.9             | —                 | —               |
| 64               | Silver and its water-soluble compounds                            | 1.3         | 1.8         | 1.8         | —               | —                  | 0.2             | —                 | 1.6             |
| 218              | 1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione | 17.3        | 10.0        | 13.5        | —               | —                  | 3.9             | —                 | 9.6             |
| 230              | Lead and its compounds  | 4.7         | 4.1         | 4.5         | —               | —                  | 1.6             | —                 | 2.9             |

The amount of PRTR substances was reported to be at least 1t a year

## ROHM ELECTRONICS DALIAN CO., LTD.

No.20 Four Street East & North, Dalian Economic & Technical Development Zone, Dailan 116600 China



### Products Items

Power Modules, LCDs, Thermal Printheads, Image Sensor Heads, Photo Link Modules

| Item                                    | Fiscal Year | 2004                        | 2005                        | 2006                        |
|---|-------------|-----------------------------|-----------------------------|-----------------------------|
| Electric-power consumption              |             | 43,718,753 kwh              | 59,317,000 kwh              | 65,001,574 kwh              |
| Water consumption                       |             | 134 Thousand m <sup>3</sup> | 256 Thousand m <sup>3</sup> | 406 Thousand m <sup>3</sup> |
| Total amount of waste generated         |             | 209 t                       | 595 t                       | 499 t                       |
| Amount of waste disposed of by landfill |             | 120 t                       | 578 t                       | 344 t                       |
| Waste-recycling ratio                   |             | 42.6 %                      | 2.86 %                      | 31.1 %                      |
| Emissions into water: COD               |             | 9.6 t                       | 18 t                        | 40 t                        |

### PRTR Units (t)

| Ordinance number | Substance                              | FY 2004     | FY 2005     | FY 2006     |                 |                    |                 |                   |                 |
|------------------|--|-------------|-------------|-------------|-----------------|--------------------|-----------------|-------------------|-----------------|
|                  |  | Amount used | Amount used | Amount used | Amount released | Amount transferred | Amount consumed | Amount eliminated | Amount recycled |
| 64               | Silver and its water-soluble compounds | 1.6         | —           | 3.4         | —               | 0.3                | 3.1             | —                 | —               |
| 230              | Lead and its compounds                 | 5.6         | 1.6         | 1.4         | —               | 0.2                | 1.2             | —                 | —               |

The amount of PRTR substances was reported to be at least 1t a year

## ROHM-WAKO ELECTRONICS (MALAYSIA) SDN.BHD.

Lot 1320 Kawasan Perindustrian, Pengkalan Chepa II, Padang Tembak, 16100 Kota Bharu, Kelantan, Malaysia



### Products Items

Diodes, Laser Diodes

| Item                                    | Fiscal Year | 2004                        | 2005                        | 2006                        |
|---|-------------|-----------------------------|-----------------------------|-----------------------------|
| Electric-power consumption              |             | 43,344,000 kwh              | 44,068,541 kwh              | 46,662,065 kwh              |
| Fuel consumption                        |             | 71.5 kl                     | 63.2 kl                     | 53.1 kl                     |
| Water consumption                       |             | 199 Thousand m <sup>3</sup> | 259 Thousand m <sup>3</sup> | 244 Thousand m <sup>3</sup> |
| Total amount of waste generated         |             | 737 t                       | 783 t                       | 771 t                       |
| Amount of waste disposed of by landfill |             | 174 t                       | 56 t                        | 41 t                        |
| Waste-recycling ratio                   |             | 76.4 %                      | 92.8 %                      | 96.1 %                      |
| Emissions into water: BOD               |             | 1.9 t                       | 0.9 t                       | 0.7 t                       |
| : COD                                   |             | 6.1 t                       | 2.9 t                       | 1.6 t                       |

### PRTR Units (t)

| Ordinance number | Substance   | FY 2004     | FY 2005     | FY 2006     |                 |                    |                 |                   |                 |
|------------------|---|-------------|-------------|-------------|-----------------|--------------------|-----------------|-------------------|-----------------|
|                  |   | Amount used | Amount used | Amount used | Amount released | Amount transferred | Amount consumed | Amount eliminated | Amount recycled |
| 16               | 2-aminoethanol  | —           | 1.2         | 1.4         | 0.4             | —                  | —               | —                 | 1.0             |
| 25               | Antimony and its compounds  | 2.2         | 4.4         | 3.6         | —               | 2.8                | 0.8             | —                 | —               |
| 30               | Bisphenol-A epoxy resin   | 29.2        | 30.4        | 29.2        | —               | 23.1               | 6.1             | —                 | —               |
| 64               | Silver and its water-soluble compounds                            | —           | 1.2         | —           | —               | —                  | —               | —                 | —               |
| 218              | 1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione | 1.2         | 1.2         | 1.1         | —               | 0.8                | 0.3             | —                 | —               |
| 224              | 1-3-5-trimethylbenzene  | —           | —           | 1.9         | 0.3             | —                  | —               | —                 | 1.6             |
| 230              | Lead and its compounds  | 3.4         | 4.4         | 5.3         | —               | —                  | 1.6             | —                 | 3.7             |

The amount of PRTR substances was reported to be at least 1t a year

## ROHM MECHATECH PHILIPPINES, INC.

People's Technology Complex Special Economic Zone, Carmona, Cavite 4116 Philippines



### ■ Products Items

Molding Dies and Lead Frames

| Item                                    | Fiscal Year | 2005                       | 2006                       |
|---|-------------|----------------------------|----------------------------|
| Electric-power consumption              |             | 9,847,747 kwh              | 9,973,456 kwh              |
| Fuel consumption                        |             | 508 kl                     | 521 kl                     |
| Water consumption                       |             | 40 Thousand m <sup>3</sup> | 30 Thousand m <sup>3</sup> |
| Total amount of waste generated         |             | 292 t                      | 136 t                      |
| Amount of waste disposed of by landfill |             | 21 t                       | 20 t                       |
| Waste-recycling ratio                   |             | 92.8 %                     | 85.3 %                     |
| Emissions into water: BOD               |             | 1.1 t                      | 0.7 t                      |
| : COD                                   |             | 2.0 t                      | 1.8 t                      |
| Atmospheric emissions: NOx              |             | -                          | 0.3 t                      |
| : SOx                                   |             | -                          | 1.3 t                      |

| PRTR             |                    | Units (t)   |             |                 |                    |                 |                   |                 |
|------------------|--------------------|-------------|-------------|-----------------|--------------------|-----------------|-------------------|-----------------|
| Ordinance number | Substance          | FY 2005     | FY 2006     |                 |                    |                 |                   |                 |
|                  |                    | Amount used | Amount used | Amount released | Amount transferred | Amount consumed | Amount eliminated | Amount recycled |
| 108              | Inorganic cyanides | 3.55        | 4.2         | -               | -                  | -               | 4.2               | -               |

## ROHM MECHATECH(THAILAND)CO., LTD.

102/2 Navanakorn Industrial Zone, Moo 20, Phaholyothin Road, Tambol Khlong-Nueng, Amphur Khlong-Luong, Pathumthani 12120 Thailand



### ■ Products Items

Molding Dies and Lead Frames

| Item                                    | Fiscal Year | 2006                       |
|---|-------------|----------------------------|
| Electric-power consumption              |             | 8,023,080 kwh              |
| Fuel consumption                        |             | 3.77 kl                    |
| Water consumption                       |             | 53 Thousand m <sup>3</sup> |
| Total amount of waste generated         |             | 19.7 t                     |
| Amount of waste disposed of by landfill |             | 1.6 t                      |
| Waste-recycling ratio                   |             | 91.9 %                     |
| Emissions into water: BOD               |             | 1 t                        |
| : COD                                   |             | 16 t                       |

