

Summary Table 1: Transboundary Movement of Hazardous Wastes and Other Wastes among all reporting Parties in 1999

Based on Export Data

| Wastes Exported | Amount (in mt.) | % |
|---|------------------------|------------|
| Waste streams (Y1-Y18) | 1 170 638.361 | 14.45 |
| Wastes having as constituents (Y19-Y45) | 1 029 586.974 | 12.70 |
| Wastes having as constituents (Y46-Y47) | 309 280.370 | 3.81 |
| Wastes without Y-codes | 5 170 888.217 | 63.80 |
| Mixed Y-wastes | 424 565.900 | 5.24 |
| Total wastes Exported | 8 104 959.822 | 100 |

Based on Import Data

| Wastes Imported | Amount (in mt.) | % |
|---|------------------------|------------|
| Waste streams (Y1-Y18) | 889 038.086 | 14.03 |
| Wastes having as constituents (Y19-Y45) | 1 001 706.008 | 15.80 |
| Wastes having as constituents (Y46-Y47) | 599 307.228 | 9.45 |
| Wastes without Y-codes | 3 086 119.675 | 48.69 |
| Mixed Y-wastes | 762 302.537 | 12.03 |
| Total wastes Imported | 6 338 473.534 | 100 |

Summary Table 2: Transboundary Movement of Hazardous Wastes and Other Wastes for *Disposal* among all reporting Parties in 1999

Based on Export Data

| Basel Disposal Operations | Amount (in mt.) | % |
|---|--------------------|------------|
| D1, D2 and D4 (Landfill, land treatment) | 112 516.730 | 12.59 |
| D3 and D12 (Underground storage) | 65 477.375 | 7.33 |
| D5 (specially engineered landfill) | 14 581.271 | 1.63 |
| D8 (Biological treatment) | 22 436.280 | 2.51 |
| D9 (Physico chemical treatment) | 120 175.835 | 13.45 |
| D10 (Incineration) | 550 797.533 | 61.63 |
| D13, D14 and D15 (Blending, repackaging, interim storage) | 5 458.162 | 0.61 |
| Total mixed Ds | 2 199.716 | 0.25 |
| Total unspecified D | 6.200 | 0 |
| Total Amount Subjected to Disposal Operations | 893 649.102 | 100 |

Based on Import Data

| Basel Disposal Operations | Amount (in mt.) | % |
|---|----------------------|------------|
| D1, D2 and D4 (Landfill, land treatment) | 824 945.530 | 47.75 |
| D3 and D12 (Underground storage) | 70 029.000 | 4.05 |
| D5 (specially engineered landfill) | 266 789.780 | 15.44 |
| D8 (Biological treatment) | 49 849.020 | 2.90 |
| D9 (Physico chemical treatment) | 188 385.937 | 10.90 |
| D10 (Incineration) | 301 960.253 | 17.48 |
| D13, D14 and D15 (Blending, repackaging, interim storage) | 25 583.268 | 1.48 |
| Total mixed Ds | 48.255 | 0 |
| Total Amount Subjected to Disposal Operations | 1 727 591.043 | 100 |

Summary Table 3: Transboundary Movement of Hazardous Wastes and Other Wastes for *Recycling* among all reporting Parties in 1999

Based on Export Data

| Basel Disposal Operations | Amount (in mt.) | % |
|--|----------------------|------------|
| R1 (Energy) | 348 659.506 | 8.80 |
| R2, R3 and R6 (Solvents, organics, acids, bases) | 1 348 820.569 | 34.06 |
| R4, R5 and R8 (Metals, inorganics, catalysts) | 1 701 541.902 | 42.97 |
| R7, R10, R11, R12 and R13 (residual materials) | 215 758.522 | 5.45 |
| R9 (Re-refining of used oil) | 59 286.570 | 1.50 |
| Total mixed Rs | 155 275.037 | 3.92 |
| Total unspecified R | 130 631.600 | 3.30 |
| Total Amount Subjected to Recycling Operations | 3 959 973.706 | 100 |

Based on Import Data

| Basel Disposal Operations | Amount (in mt.) | % |
|--|----------------------|------------|
| R1 (Energy) | 504 513.700 | 11.26 |
| R2, R3 and R6 (Solvents, organics, acids, bases) | 538 446.374 | 12.01 |
| R4, R5 and R8 (Metals, inorganics, catalysts) | 2 022 179.238 | 45.12 |
| R7, R10, R11, R12 and R13 (residual materials) | 277 246.810 | 6.19 |
| R9 (Re-refining of used oil) | 45 211.892 | 1.01 |
| Total mixed Rs | 45 043.912 | 1.00 |
| Total unspecified R | 1 049 341.400 | 23.41 |
| Total Amount Subjected to Recycling Operations | 4 481 983.326 | 100 |

Summary Table 4: Transboundary Movement of Hazardous Wastes and Other Wastes among non-OECD reporting Parties in 1999

Based on Export Data

| Wastes Exported | Amount (in mt.) | % |
|---|------------------------|------------|
| Waste streams (Y1-Y18) | 1 400.050 | 0.05 |
| Wastes having as constituents (Y19-Y45) | 90 090.634 | 2.81 |
| Wastes having as constituents (Y46-Y47) | 0 | 0 |
| Wastes without Y-codes | 3 107 238.180 | 97.00 |
| Mixed Y-wastes | 4 560.510 | 0.14 |
| Total wastes Exported | 3 203 289.374 | 100 |

Based on Import Data

| Wastes Imported | Amount (in mt.) | % |
|---|------------------------|------------|
| Waste streams (Y1-Y18) | 0 | 0 |
| Wastes having as constituents (Y19-Y45) | 224 787.902 | 67.00 |
| Wastes having as constituents (Y46-Y47) | 0 | 0 |
| Wastes without Y-codes | 110 684.602 | 33.00 |
| Mixed Y-wastes | 0 | 0 |
| Total wastes Imported | 335 472.504 | 100 |

Summary Table 5: Transboundary Movement of Hazardous Wastes and Other Wastes for *Disposal* among non-OECD reporting Parties in 1999

Based on Export Data

| Basel Disposal Operations | Amount (in mt.) | % |
|---|-----------------|----------|
| D1, D2 and D4 (Landfill, land treatment) | 0 | 0 |
| D3 and D12 (Underground storage) | 0 | 0 |
| D5 (specially engineered landfill) | 0 | 0 |
| D8 (Biological treatment) | 0 | 0 |
| D9 (Physico chemical treatment) | 0 | 0 |
| D10 (Incineration) | 0 | 0 |
| D13, D14 and D15 (Blending, repackaging, interim storage) | 0 | 0 |
| Total mixed Ds | 0 | 0 |
| Total Amount Subjected to Disposal Operations | 0 | 0 |

Based on Import Data

| Basel Disposal Operations | Amount (in mt.) | % |
|---|-----------------|----------|
| D1, D2 and D4 (Landfill, land treatment) | 0 | 0 |
| D3 and D12 (Underground storage) | 0 | 0 |
| D5 (specially engineered landfill) | 0 | 0 |
| D8 (Biological treatment) | 0 | 0 |
| D9 (Physico chemical treatment) | 0 | 0 |
| D10 (Incineration) | 0 | 0 |
| D13, D14 and D15 (Blending, repackaging, interim storage) | 0 | 0 |
| Total mixed Ds | 0 | 0 |
| Total Amount Subjected to Disposal Operations | 0 | 0 |

Summary Table 6: Transboundary Movement of Hazardous Wastes and Other Wastes for *Recycling among non-OECD* reporting Parties in 1999

Based on Export Data

| Basel Disposal Operations | Amount (in mt.) | % |
|--|--------------------|------------|
| R1 (Energy) | 1 400.000 | 1.01 |
| R2, R3 and R6 (Solvents, organics, acids, bases) | 22 318.880 | 16.17 |
| R4, R5 and R8 (Metals, inorganics, catalysts) | 114 289.934 | 82.81 |
| R7, R10, R11, R12 and R13 (residual materials) | 0.050 | 0.01 |
| R9 (Re-refining of used oil) | 0 | 0 |
| Total mixed Rs | 0 | 0 |
| Total Amount Subjected to Recycling Operations | 138 008.864 | 100 |

Based on Import Data

| Basel Disposal Operations | Amount (in mt.) | % |
|--|--------------------|------------|
| R1 (Energy) | 0 | 0 |
| R2, R3 and R6 (Solvents, organics, acids, bases) | 0 | 0 |
| R4, R5 and R8 (Metals, inorganics, catalysts) | 222 587.902 | 100 |
| R7, R10, R11, R12 and R13 (residual materials) | 0 | 0 |
| R9 (Re-refining of used oil) | 0 | 0 |
| Total mixed Rs | 0 | 0 |
| Total Amount Subjected to Recycling Operations | 222 587.902 | 100 |

Summary Table 7: Transboundary Movement of Hazardous Wastes and Other Wastes among OECD reporting Parties in 1999

Based on Export Data

| Wastes Exported | Amount (in mt.) | % |
|---|------------------------|------------|
| Waste streams (Y1-Y18) | 1 003 254.773 | 23.40 |
| Wastes having as constituents (Y19-Y45) | 748 886.295 | 17.47 |
| Wastes having as constituents (Y46-Y47) | 273 266.980 | 6.38 |
| Wastes without Y-codes | 1 844 612.942 | 43.04 |
| Mixed Y-wastes | 416 095.350 | 9.71 |
| Total wastes Exported | 4 286 117.340 | 100 |

Based on Import Data

| Wastes Imported | Amount (in mt.) | % |
|---|------------------------|------------|
| Waste streams (Y1-Y18) | 883 254.858 | 14.98 |
| Wastes having as constituents (Y19-Y45) | 744 745.795 | 12.63 |
| Wastes having as constituents (Y46-Y47) | 559 650.228 | 9.49 |
| Wastes without Y-codes | 2 961 463.700 | 50.22 |
| Mixed Y-wastes | 748 379.992 | 12.68 |
| Total wastes Imported | 5 897 493.573 | 100 |

Summary Table 8: Transboundary Movement of Hazardous Wastes and Other Wastes for *Disposal* among OECD reporting Parties in 1999

Based on Export Data

| Basel Disposal Operations | Amount (in mt.) | % |
|---|--------------------|------------|
| D1, D2 and D4 (Landfill, land treatment) | 88 969.730 | 12.41 |
| D3 and D12 (Underground storage) | 65 477.375 | 9.13 |
| D5 (specially engineered landfill) | 14 581.271 | 2.03 |
| D8 (Biological treatment) | 22 436.280 | 3.13 |
| D9 (Physico chemical treatment) | 119 815.225 | 16.71 |
| D10 (Incineration) | 399 237.981 | 55.70 |
| D13, D14 and D15 (Blending, repackaging, interim storage) | 5 458.162 | 0.76 |
| Total mixed Ds | 899.000 | 0.13 |
| Total unspecified D | 6.200 | 0 |
| Total Amount Subjected to Disposal Operations | 716 881.224 | 100 |

Based on Import Data

| Basel Disposal Operations | Amount (in mt.) | % |
|---|----------------------|------------|
| D1, D2 and D4 (Landfill, land treatment) | 824 945.530 | 47.95 |
| D3 and D12 (Underground storage) | 69 953.000 | 4.07 |
| D5 (specially engineered landfill) | 266 789.780 | 15.50 |
| D8 (Biological treatment) | 49 849.020 | 2.90 |
| D9 (Physico chemical treatment) | 187 967.092 | 10.93 |
| D10 (Incineration) | 295 681.980 | 17.19 |
| D13, D14 and D15 (Blending, repackaging, interim storage) | 25 136.488 | 1.46 |
| Total mixed Ds | 48.255 | 0 |
| Total Amount Subjected to Disposal Operations | 1 720 371.145 | 100 |

Summary Table 9: Transboundary Movement of Hazardous Wastes and Other Wastes for *Recycling among OECD* reporting Parties in 1999

Based on Export Data

| Basel Disposal Operations | Amount (in mt.) | % |
|--|----------------------|------------|
| R1 (Energy) | 347 259.506 | 9.90 |
| R2, R3 and R6 (Solvents, organics, acids, bases) | 1 275 516.338 | 36.35 |
| R4, R5 and R8 (Metals, inorganics, catalysts) | 1 332 538.053 | 37.98 |
| R7, R10, R11, R12 and R13 (residual materials) | 215 648.472 | 6.15 |
| R9 (Re-refining of used oil) | 54 159.570 | 1.54 |
| Total mixed Rs | 153 316.877 | 4.37 |
| Total unspecified R | 130 219.000 | 3.71 |
| Total Amount Subjected to Recycling Operations | 3 508 657.816 | 100 |

Based on Import Data

| Basel Disposal Operations | Amount (in mt.) | % |
|--|----------------------|------------|
| R1 (Energy) | 464 773.700 | 11.15 |
| R2, R3 and R6 (Solvents, organics, acids, bases) | 538 387.554 | 12.92 |
| R4, R5 and R8 (Metals, inorganics, catalysts) | 1 749 362.789 | 41.98 |
| R7, R10, R11, R12 and R13 (residual materials) | 275 101.180 | 6.60 |
| R9 (Re-refining of used oil) | 45 211.892 | 1.08 |
| Total mixed Rs | 44 883.912 | 1.07 |
| Total unspecified R | 1 049 341.4 | 25.20 |
| Total Amount Subjected to Recycling Operations | 4 167 062.427 | 100 |

Summary Table 10: Transboundary Movement of Hazardous Wastes and Other Wastes from non-OECD to OECD reporting Parties in 1999

Based on Export Data

| Wastes Exported | Amount (in mt.) | % |
|---|------------------------|------------|
| Waste streams (Y1-Y18) | 165 973.538 | 33.66 |
| Wastes having as constituents (Y19-Y45) | 186 610.045 | 37.85 |
| Wastes having as constituents (Y46-Y47) | 23 547.000 | 4.78 |
| Wastes without Y-codes | 114 926.685 | 23.31 |
| Mixed Y-wastes | 1 972.440 | 0.40 |
| Total wastes Exported | 493 029.708 | 100 |

Based on Import Data

| Wastes Imported | Amount (in mt.) | % |
|---|------------------------|------------|
| Waste streams (Y1-Y18) | 5 768.928 | 11.80 |
| Wastes having as constituents (Y19-Y45) | 21 071.411 | 43.09 |
| Wastes having as constituents (Y46-Y47) | 1.000 | 0 |
| Wastes without Y-codes | 8 632.810 | 17.66 |
| Mixed Y-wastes | 13 422.545 | 27.45 |
| Total wastes Imported | 48 896.694 | 100 |

Summary Table 11: Transboundary Movement of Hazardous Wastes and Other Wastes for *Disposal* from non-OECD to OECD reporting Parties in 1999

Based on Export Data

| Basel Disposal Operations | Amount (in mt.) | % |
|---|--------------------|------------|
| D1, D2 and D4 (Landfill, land treatment) | 23 547.000 | 13.32 |
| D3 and D12 (Underground storage) | 0 | 0 |
| D5 (specially engineered landfill) | 0 | 0 |
| D8 (Biological treatment) | 0 | 0 |
| D9 (Physico chemical treatment) | 360.610 | 0.20 |
| D10 (Incineration) | 151 559.552 | 85.74 |
| D13, D14 and D15 (Blending, repackaging, interim storage) | 0 | 0 |
| Total mixed Ds | 1 300.716 | 0.74 |
| Total Amount Subjected to Disposal Operations | 176 767.878 | 100 |

Based on Import Data

| Basel Disposal Operations | Amount (in mt.) | % |
|---|------------------|------------|
| D1, D2 and D4 (Landfill, land treatment) | 0 | 0 |
| D3 and D12 (Underground storage) | 76 | 1.05 |
| D5 (specially engineered landfill) | 0 | 0 |
| D8 (Biological treatment) | 0 | 0 |
| D9 (Physico chemical treatment) | 418.845 | 5.80 |
| D10 (Incineration) | 6 278.273 | 86.96 |
| D13, D14 and D15 (Blending, repackaging, interim storage) | 446.780 | 6.19 |
| Total mixed Ds | 0 | 0 |
| Total Amount Subjected to Disposal Operations | 7 219.898 | 100 |

Summary Table 12: Transboundary Movement of Hazardous Wastes and Other Wastes for *Recycling from non-OECD to OECD* reporting Parties in 1999

Based on Export Data

| Basel Recycling Operations | Amount (in mt.) | % |
|--|--------------------|------------|
| R1 (Energy) | 0 | 0 |
| R2, R3 and R6 (Solvents, organics, acids, bases) | 24.271 | 0.01 |
| R4, R5 and R8 (Metals, inorganics, catalysts) | 192 792.195 | 96.40 |
| R7, R10, R11, R12 and R13 (residual materials) | 110.000 | 0.05 |
| R9 (Re-refining of used oil) | 5 127.000 | 2.56 |
| Total mixed Rs | 1 958.160 | 0.98 |
| Total Amount Subjected to Recycling Operations | 200 011.626 | 100 |

Based on Import Data

| Basel Recycling Operations | Amount (in mt.) | % |
|--|-------------------|------------|
| R1 (Energy) | 84.000 | 0.20 |
| R2, R3 and R6 (Solvents, organics, acids, bases) | 58.820 | 0.15 |
| R4, R5 and R8 (Metals, inorganics, catalysts) | 39 133.346 | 94.11 |
| R7, R10, R11, R12 and R13 (residual materials) | 2 145.630 | 5.16 |
| R9 (Re-refining of used oil) | 0 | 0 |
| Total mixed Rs | 160.000 | 0.38 |
| Total Amount Subjected to Recycling Operations | 41 581.796 | 100 |

Summary Table 13: Transboundary Movement of Hazardous Wastes and Other Wastes from OECD to non-OECD reporting Parties in 1999

Based on Export Data

| Wastes Exported | Amount (in mt.) | % |
|---|------------------------|------------|
| Waste streams (Y1-Y18) | 10.000 | 0.01 |
| Wastes having as constituents (Y19-Y45) | 4 000.000 | 3.27 |
| Wastes having as constituents (Y46-Y47) | 12 466.390 | 10.17 |
| Wastes without Y-codes | 104 109.410 | 84.97 |
| Mixed Y-wastes | 1 937.600 | 1.58 |
| Total wastes Exported | 122 523.400 | 100 |

Based on Import Data

| Wastes Imported | Amount (in mt.) | % |
|---|------------------------|------------|
| Waste streams (Y1-Y18) | 14.300 | 0.03 |
| Wastes having as constituents (Y19-Y45) | 11 100.900 | 19.61 |
| Wastes having as constituents (Y46-Y47) | 39 656.000 | 70.05 |
| Wastes without Y-codes | 5 339.563 | 9.43 |
| Mixed Y-wastes | 500.000 | 0.88 |
| Total wastes Imported | 56 610.763 | 100 |

Summary Table 14: Transboundary Movement of Hazardous Wastes and Other Wastes for *Disposal* from OECD to non-OECD reporting Parties in 1999

Based on Export Data

| Basel Disposal Operations | Amount (in mt.) | % |
|---|-----------------|----------|
| D1, D2 and D4 (Landfill, land treatment) | 0 | 0 |
| D3 and D12 (Underground storage) | 0 | 0 |
| D5 (specially engineered landfill) | 0 | 0 |
| D8 (Biological treatment) | 0 | 0 |
| D9 (Physico chemical treatment) | 0 | 0 |
| D10 (Incineration) | 0 | 0 |
| D13, D14 and D15 (Blending, repackaging, interim storage) | 0 | 0 |
| Total mixed Ds | 0 | 0 |
| Total Amount Subjected to Disposal Operations | 0 | 0 |

Based on Import Data

| Basel Disposal Operations | Amount (in mt.) | % |
|---|-----------------|----------|
| D1, D2 and D4 (Landfill, land treatment) | 0 | 0 |
| D3 and D12 (Underground storage) | 0 | 0 |
| D5 (specially engineered landfill) | 0 | 0 |
| D8 (Biological treatment) | 0 | 0 |
| D9 (Physico chemical treatment) | 0 | 0 |
| D10 (Incineration) | 0 | 0 |
| D13, D14 and D15 (Blending, repackaging, interim storage) | 0 | 0 |
| Total mixed Ds | 0 | 0 |
| Total Amount Subjected to Disposal Operations | 0 | 0 |

Summary Table 15: Transboundary Movement of Hazardous Wastes and Other Wastes for *Recycling* from OECD to non-OECD reporting Parties in 1999

Based on Export Data

| Basel Recycling Operations | Amount (in mt.) | % |
|---|--------------------|------------|
| R1 (Energy) | 0 | 0 |
| R2, R3 and R6 (Solvents, organics, acids, bases) | 50 961.080 | 44.88 |
| R4, R5 and R8 (Metals, inorganics, catalysts) | 61 921.720 | 54.66 |
| R7, R10, R11, R12 and R13 (residual materials) | 0 | 0 |
| R9 (Re-refining of used oil) | 0 | 0 |
| Total mixed Rs | 0 | 0 |
| Total unspecified R | 412.600 | 0.36 |
| Total Amount Subjected to Recycling Operations | 113 295.400 | 100 |

Based on Import Data

| Basel Recycling Operations | Amount (in mt.) | % |
|---|-------------------|------------|
| R1 (Energy) | 39 656.000 | 78.14 |
| R2, R3 and R6 (Solvents, organics, acids, bases) | 0 | 0 |
| R4, R5 and R8 (Metals, inorganics, catalysts) | 11 095.200 | 21.86 |
| R7, R10, R11, R12 and R13 (residual materials) | 0 | 0 |
| R9 (Re-refining of used oil) | 0 | 0 |
| Total mixed Rs | 0 | 0 |
| Total Amount Subjected to Recycling Operations | 50 751.200 | 100 |

Source: Secretariat of the Basel Convention (data as reported by Parties).

Disclaimer: Due to variation in national reporting, these figures are not directly comparable and should be used with caution.

<http://www.basel.int/>

Email: sbc@unep.ch