**North West: Hazardous waste managed by EWC chapter and former planning sub-region 2010 (tonnes)**

| EWC Chapter | EWC Chapter Description | Cheshire | Cumbria | Greater Manchester | Lancashire | Merseyside | Total |
|---|---|---|---|---|---|---|---|
| 01 | Mining and Minerals | | | | | 3 | **3** |
| 02 | Agricultural and Food Production | 2 | | 54 | 1 | 21 | **78** |
| 03 | Wood and Paper Production | 22 | | 1 | 7 | 545 | **575** |
| 04 | Leather and Textile Production | 5 | | 3 | 33 | 8 | **50** |
| 05 | Petrol, Gas and Coal Refining/Treatment | 1,076 | 1 | 23 | 79 | 144 | **1,323** |
| 06 | Inorganic Chemical Processes | 4,512 | 160 | 543 | 2,591 | 7,940 | **15,745** |
| 07 | Organic Chemical Processes | 5,326 | 6,065 | 4,492 | 4,017 | 21,818 | **41,717** |
| 08 | MFSU Paints, Varnish, Adhesive and Inks | 1,402 | 628 | 4,249 | 2,569 | 2,962 | **11,811** |
| 09 | Photographic Industry | 190 | 29 | 403 | 191 | 120 | **933** |
| 10 | Thermal Process Waste (inorganic) | 13,785 | 3 | 196 | 230 | 1,288 | **15,501** |
| 11 | Metal Treatment and Coating Processes | 808 | 60 | 1,664 | 3,076 | 1,215 | **6,822** |
| 12 | Shaping/Treatment of Metals and Plastics | 1,081 | 290 | 1,003 | 1,252 | 811 | **4,437** |
| 13 | Oil and Oil/Water Mixtures | 13,668 | 7,153 | 16,641 | 12,750 | 18,848 | **69,059** |
| 14 | Solvents | 553 | 20 | 624 | 1,134 | 477 | **2,808** |
| 15 | Packaging, Cloths, Filter Materials | 1,556 | 503 | 1,947 | 2,373 | 3,615 | **9,994** |
| 16 | Not Otherwise Specified* | 25,824 | 2,466 | 24,733 | 29,034 | 10,476 | **92,532** |
| 17 | C&D Waste and Asbestos | 11,666 | 5,364 | 15,604 | 5,611 | 15,015 | **53,259** |
| 18 | Healthcare | 2,426 | 935 | 9,970 | 4,031 | 5,310 | **22,673** |
| 19 | Waste/Water Treatment and Water Industry | 6,569 | 15 | 9,524 | 70,538 | 7,929 | **94,574** |
| 20 | Municipal and Similar Commercial Wastes | 4,145 | 2,413 | 9,977 | 6,377 | 7,027 | **29,939** |
| **Total** | | **94,615** | **26,103** | **101,650** | **145,893** | **105,572** | **473,832** |

**Notes:**

The Environment Agency is required to monitor registered hazardous waste movements. The data published here is a summary of these movements. The same waste may be moved between multiple facilities and each separ
This double counting should be taken into account when using this data.

EWC Chapter 16 contains a mix of coded wastes including wastes from end-of-life vehicles, waste electrical and electronic equipment, batteries, spent catalysts and aqueous solutions

LD175

North West: Hazardous waste deposited by fate and former planning sub-region 2010 (tonnes)

| Waste Fate | Cheshire | Cumbria | Greater Manchester | Lancashire | Merseyside | Total |
|---|---|---|---|---|---|---|
| Incineration with energy recovery | 481 | - | 202 | 13,924 | - | **14,607** |
| Incineration without energy recovery | 74,734 | - | 15,018 | - | 0 | **89,752** |
| Landfill | - | - | 14,065 | 28,625 | 15,128 | **57,818** |
| Long term storage | 28,343 | - | - | 7 | - | **28,350** |
| Other Fate | - | - | - | - | 26 | **26** |
| Recovery | 21,046 | 818 | 20,038 | 74,059 | 61,286 | **177,247** |
| Rejected | 149 | - | 114 | 1 | - | **264** |
| Transfer (D) | 1,868 | 2,724 | 6,303 | 10,764 | 26,087 | **47,746** |
| Transfer (R) | 40,239 | 8,181 | 14,096 | 15,868 | 24,774 | **103,157** |
| Treatment | 18,752 | - | 70,329 | 3 | 40,807 | **129,891** |
| **Total** | **185,611** | **11,723** | **140,166** | **143,250** | **168,109** | **648,859** |

**Notes:**

The Environment Agency is required to monitor registered hazardous waste movements. The data published here is a summary of these movements. The same waste may be moved between multiple facilities and each separate movement is recorded. This double counting should be taken into account when using this data.

Transfer (D) means transfer before disposal, Transfer (R) means transfer before recovery.

In previous years Recovery was called Recycling/reuse.

In previous years the Landfill category included deep injection, land treatment and surface impoundment. These are now included in Other Fate.

**North West: Hazardous waste managed by EWC chapter from 1998 - 2010 (tonnes)**

| EWC chapter | EWC Chapter Description | 1998/9 | 2000 | 2001 | 2002 | 2003 | 2004 | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | Mining and Minerals | 64 | 23 | - | 25 | 42 | 28 | 188 | 33 | 446 | 273 | 3 |
| 02 | Agricultural and Food Production | 586 | 611 | 1,013 | 919 | 344 | 414 | 10 | 65 | 65 | 17 | 78 |
| 03 | Wood and Paper Production | 617 | 5,612 | 2,725 | 372 | 697 | 958 | 1,360 | 1,193 | 1,420 | 267 | 575 |
| 04 | Leather and Textile Production | 177 | 519 | 354 | 357 | 107 | 75 | 348 | 299 | 568 | 60 | 50 |
| 05 | Petrol, Gas and Coal Refining/Treatment | 53,558 | 27,999 | 6,871 | 4,721 | 4,943 | 20,484 | 3,480 | 1,183 | 2,172 | 2,087 | 1,323 |
| 06 | Inorganic Chemical Processes | 49,609 | 66,290 | 32,709 | 45,157 | 41,176 | 18,108 | 53,452 | 27,944 | 13,680 | 14,895 | 15,745 |
| 07 | Organic Chemical Processes | 147,752 | 137,605 | 139,407 | 135,235 | 136,320 | 143,617 | 164,472 | 53,609 | 50,508 | 42,345 | 41,717 |
| 08 | MFSU Paints, Varnish, Adhesive and Inks | 28,159 | 28,304 | 25,338 | 19,692 | 15,235 | 16,436 | 13,680 | 15,136 | 14,596 | 11,795 | 11,811 |
| 09 | Photographic Industry | 3,032 | 10,060 | 11,111 | 8,424 | 14,845 | 8,474 | 2,082 | 1,406 | 1,145 | 978 | 933 |
| 10 | Thermal Process Waste (inorganic) | 12,617 | 13,802 | 20,410 | 20,115 | 28,732 | 26,315 | 22,422 | 22,608 | 17,329 | 13,447 | 15,501 |
| 11 | Metal Treatment and Coating Processes | 10,437 | 7,072 | 7,764 | 7,149 | 11,131 | 10,501 | 12,303 | 9,258 | 9,542 | 8,924 | 6,822 |
| 12 | Shaping/Treatment of Metals and Plastics | 17,070 | 10,168 | 5,780 | 6,156 | 6,609 | 4,209 | 4,699 | 4,492 | 4,147 | 3,275 | 4,437 |
| 13 | Oil and Oil/Water Mixtures | 95,118 | 105,391 | 126,015 | 82,225 | 78,823 | 73,372 | 80,402 | 68,657 | 67,205 | 84,896 | 69,059 |
| 14 | Solvents | 11,237 | 42,364 | 37,794 | 10,641 | 6,199 | 2,943 | 5,292 | 4,649 | 5,023 | 3,829 | 2,808 |
| 15 | Packaging, Cloths, Filter Materials | 12,665 | 17,412 | 23,065 | 14,420 | 14,191 | 11,493 | 9,654 | 12,237 | 12,418 | 11,250 | 9,994 |
| 16 | Not Otherwise Specified* | 41,238 | 32,429 | 29,695 | 30,245 | 18,011 | 21,379 | 78,379 | 92,686 | 101,515 | 95,340 | 92,532 |
| 17 | C&D Waste and Asbestos | 79,130 | 120,652 | 63,042 | 105,196 | 140,691 | 258,946 | 98,993 | 93,289 | 93,753 | 49,820 | 53,259 |
| 18 | Healthcare | 2,564 | 3,090 | 3,089 | 2,130 | 1,397 | 1,673 | 17,885 | 20,090 | 22,009 | 22,063 | 22,673 |
| 19 | Waste/Water Treatment and Water Industry | 44,085 | 48,748 | 22,582 | 76,620 | 103,839 | 124,895 | 130,342 | 121,144 | 88,493 | 79,809 | 94,574 |
| 20 | Municipal and Similar Commercial Wastes | 32,361 | 21,194 | 9,389 | 32,823 | 30,928 | 9,495 | 28,380 | 34,120 | 37,937 | 31,377 | 29,939 |
| 99 | Unclassified | 53,003 | 25,002 | 34,546 | 42,185 | 36,757 | 20,977 | - | - | - | | |
| | Total | 695,079 | 724,346 | 602,698 | 644,807 | 691,017 | 774,793 | 727,824 | 584,098 | 543,970 | 476,749 | 473,832 |

**Notes:**

The Environment Agency is required to monitor registered hazardous waste movements. The data published here is a summary of these movements. The same waste may be moved between multiple facilities and each separate movement is recorded. This double counting should be taken into account when using this data.

EWC Chapter 16 contains a mix of coded wastes including wastes from end-of-life vehicles, waste electrical and electronic equipment, batteries, spent catalysts and aqueous solutions

2005 data is unreliable and has not been included in the above tables, a new hazardous waste management system and database was introduced in mid-2005 to coincide with the introduction of the new Hazardous Waste Regulations classification and data collection changes introduced some inconsistency and some data was lost as new systems took a little time to become fully operational.

**North West: Hazardous waste deposited by EWC chapter from 1998 - 2010 (tonnes)**

| EWC chapter | EWC Description | 1998/9 | 2000 | 2001 | 2002 | 2003 | 2004 | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | Mining and Minerals | 5,533 | 70 | 41 | 60 | 2,990 | 1,324 | 11,977 | 4,775 | 2,032 | 2,998 | 6,316 |
| 02 | Agricultural and Food Production | 1,903 | 1,221 | 1,419 | 1,262 | 514 | 432 | 942 | 540 | 950 | 423 | 667 |
| 03 | Wood and Paper Production | 853 | 5,825 | 2,744 | 603 | 659 | 880 | 2,063 | 1,130 | 1,245 | 320 | 593 |
| 04 | Leather and Textile Production | 521 | 656 | 1,604 | 2,439 | 1,484 | 2,023 | 2,237 | 913 | 931 | 74 | 76 |
| 05 | Petrol, Gas and Coal Refining/Treatment | 9,928 | 33,413 | 18,180 | 9,368 | 9,933 | 9,124 | 6,253 | 1,395 | 2,686 | 10,357 | 21,931 |
| 06 | Inorganic Chemical Processes | 64,912 | 57,360 | 41,891 | 48,637 | 47,230 | 18,429 | 56,320 | 28,682 | 12,852 | 16,722 | 20,458 |
| 07 | Organic Chemical Processes | 227,443 | 227,140 | 237,913 | 239,173 | 237,054 | 245,330 | 148,800 | 125,146 | 106,594 | 102,943 | 109,192 |
| 08 | MFSU Paints, Varnish, Adhesive and Inks | 40,566 | 42,406 | 36,869 | 26,573 | 19,080 | 19,117 | 24,811 | 27,086 | 26,284 | 24,959 | 29,051 |
| 09 | Photographic Industry | 6,214 | 11,310 | 20,850 | 16,152 | 26,983 | 20,227 | 10,162 | 8,959 | 7,808 | 6,484 | 5,718 |
| 10 | Thermal Process Waste (inorganic) | 15,617 | 6,404 | 8,003 | 6,699 | 8,757 | 7,833 | 12,633 | 10,031 | 4,676 | 5,230 | 10,225 |
| 11 | Metal Treatment and Coating Processes | 13,356 | 14,008 | 11,322 | 6,913 | 12,434 | 16,014 | 20,383 | 16,322 | 19,070 | 18,228 | 26,694 |
| 12 | Shaping/Treatment of Metals and Plastics | 35,177 | 13,200 | 7,192 | 8,512 | 6,149 | 5,434 | 4,208 | 5,005 | 3,956 | 4,023 | 4,513 |
| 13 | Oil and Oil/Water Mixtures | 107,264 | 119,960 | 148,142 | 101,777 | 101,313 | 104,339 | 83,583 | 83,477 | 78,847 | 79,110 | 76,600 |
| 14 | Solvents | 9,338 | 14,316 | 18,885 | 13,836 | 7,811 | 6,017 | 11,055 | 10,835 | 10,168 | 6,930 | 7,452 |
| 15 | Packaging, Cloths, Filter Materials | 17,221 | 23,425 | 27,651 | 19,442 | 17,526 | 17,353 | 14,112 | 13,294 | 14,036 | 14,976 | 17,317 |
| 16 | Not Otherwise Specified* | 43,054 | 43,338 | 27,729 | 22,295 | 14,401 | 21,187 | 57,129 | 93,991 | 95,343 | 87,827 | 97,765 |
| 17 | C&D Waste and Asbestos | 105,670 | 132,248 | 88,622 | 129,137 | 141,841 | 305,170 | 95,602 | 112,909 | 88,130 | 53,785 | 61,234 |
| 18 | Healthcare | 2,772 | 4,072 | 5,196 | 5,100 | 2,378 | 3,093 | 13,019 | 15,681 | 18,656 | 19,355 | 18,824 |
| 19 | Waste/Water Treatment and Water Industry | 41,653 | 57,086 | 23,784 | 83,941 | 112,346 | 105,693 | 117,209 | 94,263 | 85,739 | 85,823 | 86,581 |
| 20 | Municipal and Similar Commercial Wastes | 19,119 | 24,073 | 16,258 | 38,243 | 25,797 | 16,773 | 35,518 | 35,747 | 31,022 | 36,625 | 47,652 |
| 99 | Unclassified | 54,454 | 25,328 | 36,569 | 56,996 | 55,741 | 34,497 | - | - | - | - | - |
| | Total | 822,568 | 866,860 | 780,865 | 837,157 | 852,422 | 960,289 | 728,015 | 690,179 | 611,026 | 577,191 | 648,859 |

**Notes:**

The Environment Agency is required to monitor registered hazardous waste movements. The data published here is a summary of these movements. The same waste may be moved between multiple facilities and each separate movement is recorded. This double counting should be taken into account when using this data.

EWC Chapter 16 contains a mix of coded wastes including wastes from end-of-life vehicles, waste electrical and electronic equipment, batteries, spent catalysts and aqueous solutions

2005 data is unreliable and has not been included in the above tables, a new hazardous waste management system and database was introduced in mid-2005 to coincide with the introduction of the new Hazardous Waste Regulations classification and data collection changes introduced some inconsistency and some data was lost as new systems took a little time to become fully operational.

**Table Notes:**

2005 data is unreliable and has not been included in the above tables; a new hazardous waste management system and database was introduced in mid-2005 to coincide with the introduction of the new Hazardous Waste Regulations, classification and data collection changes introduced some inconsistency and some data was lost as new systems took a little time to become fully operational.

**North West: Hazardous waste deposited by fate from 1998 - 2010 (tonnes)**

| Year | Incineration with energy recovery | Incineration without energy recovery | Landfill | Long term storage | Recovery | Transfer (Short term) | Treatment | Other | Total |
|---|---|---|---|---|---|---|---|---|---|
| 1998/9 | 1,597 | 60,172 | 269,889 | 3,194 | 113,819 | 66,749 | 249,131 | 1,989 | **766,540** |
| 2000 | 3,318 | 58,851 | 324,280 | 3,881 | 127,752 | 99,044 | 212,640 | - | **829,765** |
| 2001 | 37,635 | 57,318 | 205,831 | 1,876 | 129,596 | 143,884 | 167,293 | - | **743,433** |
| 2002 | 50,312 | 62,181 | 255,360 | 0 | 130,249 | 109,315 | 229,740 | - | **837,157** |
| 2003 | 43,639 | 56,807 | 256,780 | 20 | 133,036 | 137,343 | 224,797 | - | **852,422** |
| 2004 | 47,107 | 55,360 | 392,308 | 264 | 125,826 | 126,987 | 212,437 | - | **960,289** |
| 2006 | 45,067 | 94,199 | 101,404 | 8,664 | 128,809 | 136,385 | 213,194 | 294 | **728,015** |
| 2007 | 21,380 | 92,213 | 116,644 | 15,646 | 140,414 | 131,237 | 172,232 | 413 | **690,179** |
| 2008 | 16,504 | 89,972 | 91,747 | 19,094 | 118,310 | 136,599 | 138,081 | 718 | **611,026** |
| 2009 | 15,008 | 91,340 | 64,194 | 27,379 | 120,603 | 154,742 | 103,637 | 288 | **577,191** |
| **2010** | **14,607** | **89,752** | **57,818** | **28,350** | **177,247** | **150,903** | **129,891** | **291** | **648,859** |

**Notes:**

The Environment Agency is required to monitor registered hazardous waste movements. The data published here is a summary of these movements. The same waste may be moved between multiple facilities and each separate movement is recorded. This double counting should be taken into account when using this data.

2005 data is unreliable and has not been included in the above tables; a new hazardous waste management system and database was introduced in mid-2005 to coincide with the introduction of the new Hazardous Waste Regulations, classification and data collection changes introduced some inconsistency and some data was lost as new systems took a little time to become fully operational.

In previous years Recovery was called Recycling/reuse.

In previous years the Landfill category included deep injection, land treatment and surface impoundment. These are now included in Other Fate.

**North West: Hazardous waste movements 2010 (tonnes)**

These two tables are entirely independent of each other.

**Notes:**
The Environment Agency is required to monitor registered hazardous waste movements. The data published here is a summary of these movements. The same waste may be moved between multiple facilities and each separate movement is recorded. This double counting should be taken into account when using this data.

***Movements of hazardous waste between former planning sub-regions (tonnes)***

| Sub Region | Deposited in: | | | | | Total Exports to other sub regions |
|---|---|---|---|---|---|---|
| | Cheshire | Cumbria | Greater Manchester | Lancashire | Merseyside | |
| **Arising from** | | | | | | |
| Cheshire | 10,340 | 28 | 7,352 | 9,128 | 8,789 | 25,296 |
| Cumbria | 3,460 | 4,133 | 587 | 4,007 | 2,693 | 10,748 |
| Greater Manchester | 8,176 | 2 | 25,821 | 12,686 | 18,148 | 39,013 |
| Lancashire | 8,193 | 21 | 26,271 | 30,363 | 11,847 | 46,333 |
| Merseyside | 13,589 | 1 | 10,286 | 13,717 | 34,302 | 37,592 |
| **Total Imports from other sub regions** | 33,418 | 52 | 44,495 | 39,538 | 41,478 | |

***External former planning regional movements of hazardous waste (tonnes)***

| | Cheshire | Cumbria | Greater Manchester | Lancashire | Merseyside | Total |
|---|---|---|---|---|---|---|
| **Total import from England & Wales** | 120,749 | 1,534 | 66,721 | 61,241 | 84,816 | 335,060 |
| Total import from Scotland | 7,518 | 5,962 | 2,579 | 9,208 | 5,340 | 30,607 |
| Total Import from N.Ireland | 4,544 | | 94 | 708 | 1,394 | 6,740 |
| **Total Import outside England & Wales** | 12,062 | 5,962 | 2,674 | 9,916 | 6,734 | 37,347 |
| Imports - Unspecified | 9,041 | 42 | 455 | 2,193 | 779 | 12,510 |
| **Total Export to England & Wales** | 58,978 | 11,222 | 36,816 | 69,197 | 33,677 | 209,891 |
| **Balance (Imports - Exports)** | 73,833 | -3,726 | 32,578 | 1,959 | 57,872 | 162,517 |

**Explanation and assumptions:**
Sub regions with positive net tonnages are importers of hazardous waste
Sub regions with negative net tonnages are exporters of hazardous waste
Records with unspecified arising and/or deposit locations are not included in the net sub regional tonnage calculation but are detailed for completeness.

Total import from England and Wales does not include the North West region.
Total export from England and Wales does not include the North West region.