

## Waste and recycling

### Performance summary 2007/08

KPI, milestone or target	Performance
Ensure disposal routes are acceptable to the code of practice developed by the Department for Environment, Food and Rural Affairs.	➡
Provide facilities for disposal of separate waste streams at all sites, if waste volume does not justify separate collection arrange transfer to another site during routine journeys.	➡
Use internal communications to educate employees to the importance of minimising resource use and recycling waste making a reduction in office wastes in 2007/08.	➡
Ensure that all employees are aware of, and comply with, safe methods of disposal of all waste materials.	➡
Retain and reuse spoil as landscaping on the sites of large construction projects in 2007/08.	✓
Recycle 50% of spoil from water mains rehabilitation excavations to use to backfill trenches in replacement of natural stone aggregate.	✓
Utilise trenchless technologies to repair or replace pipeline in 2007/08.	✓
Utilise recycled aggregates in reinstatement work to minimise the requirement of natural stone aggregate and limiting the amount demanding disposal.	✓
Recycle materials for charity requests when possible, (currently phone and printer cartridges raise money for WaterAid).	✓

#### KPI performance key

KPI achieved	✓
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KPI ongoing	➡
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KPI Not achieved	✗
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## Performance targets 2008/09

KPI, milestone or target
Ensure disposal routes are acceptable to the code of practice developed by the Department for Environment, Food and Rural Affairs.
Provide facilities for disposal of separate waste streams at all sites, if waste volume does not justify separate collection arrange transfer to another site during routine journeys.
Use internal communications to educate employees to the importance of minimising resource use and recycling waste making a reduction in office wastes in 2008/09.
Ensure that all employees are aware of, and comply with, safe methods of disposal of all waste materials.
Retain and reuse spoil as landscaping on the sites of large construction projects in 2008/09.
Recycle 50% of spoil from water mains rehabilitation excavations to use to backfill trenches in replacement of natural stone aggregate.
Utilise trenchless technologies to repair or replace pipeline in 2008/09.
Utilise recycled aggregates in reinstatement work to minimise the requirement of natural stone aggregate and limiting the amount demanding disposal.
Recycle materials for charity requests when possible, (currently phone and printer cartridges raise money for WaterAid).

**Ensure disposal routes are acceptable to the code of practice developed by the Department for Environment, Food and Rural Affairs.**

Performance 2007/08

KPI Ongoing 

We are constantly working to reduce the waste that we produce. We have a waste and recycling policy in place and ask our contractors to also act within this policy. They are also contractually obligated to operate in accordance to waste licensing laws. We have quality and assurance procedures in place which monitor our performance; we have received no prosecutions or corrective actions as a result of our procedures and the vigilance of our employees.

**Provide facilities for disposal of separate waste streams at all sites. If waste volume does not justify separate collection arrange transfer to another site during routine journeys.**

Performance 2007/08

KPI Ongoing 

We are in the process of conducting a review of the facilities available at all our sites, new waste streams have been identified and further options are being explored for materials that we currently dispose of to landfill, such as grit and screenings which is a waste product from waste water treatment. We have introduced Waste Electrical and Electronic Equipment Directive collection points at sites through our operating areas in order to maintain compliance with the directive.

We have been working with our waste contractor to identify the nature of each of our waste streams and identify the most appropriate recycling routes in order to segregate material correctly and increase amounts of material that can be effectively recycled.

**Use internal communications to educate employees to the importance of minimising resource use and recycling waste making a reduction in office wastes in 2007/08.**

Performance 2007/08

KPI Ongoing 

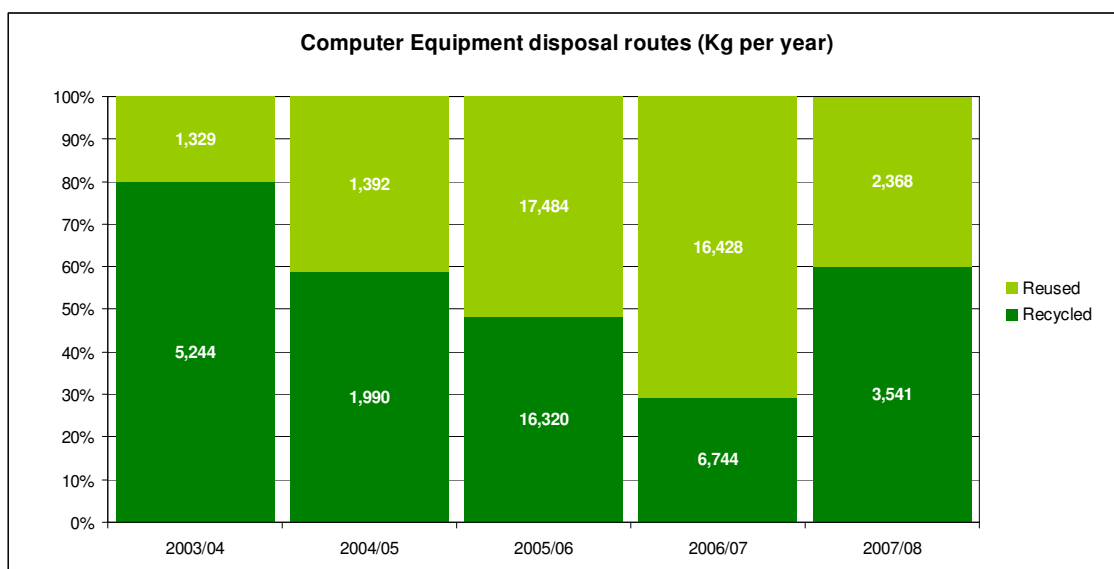
We have reduced the amount of paper we use in our offices by implementing duplex (double sided printing) as the default setting on most company printers, we have also challenged our employees to reduce printing by using the correct printer for the work, for example using the black and white printer instead of colour printers when possible. We are also trialling reducing the ink used in the printing process, as this will impact on the number of toners and cartridge we use and dispose.

We are introducing a number of new recycling streams at our office sites, for example we can now recycle plastic bottles and cardboard hot drinks cups which previously went for disposal. We have introduced recycling pods in office areas and removed individual desk bins. The new facilities have been installed at several sites including our head office at Pity Me and our Hanningfield site, in order to increase our recycling capabilities and increase employee awareness. As part of the initiative each department has been informed of the new facilities, however a larger campaign will be implemented when all departments have the new facilities.

**Ensure that all employees are aware of, and comply with, safe methods of disposal of all waste materials.**

Performance 2007/08

KPI Ongoing 



**Retain and reuse spoil as landscaping on the sites of large construction projects in 2007/08.**

Performance 2007/08

KPI Achieved ✓

We reused **309,169 tonnes** of spoil we generated which is **74.5%** of the total amount of spoil generated in the reporting year.

NB The above volume includes spoil which has been used as backfill in trenches or reused beneficially offsite.

**Recycle 50% of spoil from water mains rehabilitation excavations to use to backfill trenches in replacement of natural stone aggregate.**

Performance 2007/08

KPI Achieved ✓

We currently use recycled aggregate as backfill for all of our water mains improvement work in our northern operating area. We have been working with our contractor, Northumbrian Roads, to remove, recycle and re-use the spoil waste we produce and recycle it to reuse on other projects. This has resulted in minimising our use of natural stone and in turn less material being disposed of to landfill.

**Utilise trenchless technologies to repair or replace pipeline in 2007/08.**

Performance 2007/08

KPI Achieved ✓

We continue to utilise trenchless technology whenever possible, we have relined 166.31km and renewed 207.25km of water mains during the past year. This was mainly achieved through our water mains improvement scheme which is has been largely completed in our southern operating are and is planned for completion in our northern area in August 2008.

The refurbishment work has been completed using a variety of techniques, the principal ones being relining the mains with epoxy resin and the renewal of the main by either direct replacement, pipe bursting, (inserting a similar sized pipe through the exciting which forces it to burst hence the name) or downsizing by pipe insertion. The length of mains which have been replaced by pipe bursting or insertion techniques is 115.71km (56%).

**Utilise recycled aggregates in reinstatement work to minimise the requirement of natural stone aggregate and limiting the amount demanding disposal.**

Performance 2007/08

KPI Achieved ✓

We used a total of **20,034 tonnes** of recycled aggregates which is **10.2%** of the total amount of aggregate we used, this includes that used in concrete and as road surfacing materials, the figure does not include any aggregates used in our water networks improvement programme.

**Recycle materials for charity requests when possible, (currently phone and printer cartridges raise money for WaterAid).**

Performance 2007/08

KPI Achieved ✓

We continue to donate phones that are no longer serviceable and used printer cartridges to raise funds for WaterAid. This raises money for the company's nominated charity, as well as diverting these materials from landfill. In 2007/08 214 phones were donated to WaterAid, raising £940 for the charity.