










## Wastewater Management


### Performance summary 2007/08

KPI, milestone or target	Performance
Invest £185 million in the waste water network in the five year period ending 2010.	
To have received no odour abatement notices due to our operational activities in 2007/08.	
95% of all sewage sludge produced in 2007/08 to go to beneficial re-use outlets.	
Ensure that 99.5% of the population in our operating area are served by a sewage treatment works operating within consents.	
Continue to reduce pollution incidents by investment and operational improvements, reducing category one incidents to zero, category 2 incidents to less than six and category three incidents to less than 110*.	
Continue to reduce prosecutions brought by the Environment Agency in 2007/08 through investment and operational improvements to less than six*.	
To reduce the number of bathing waters failing to meet EA mandatory standards to zero.	

#### Performance key

KPI Achieved	
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KPI Ongoing	
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KPI Not achieved	
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\* We work to prevent all pollution incidents, and resultant prosecutions. However due to the nature of incidents many are out of our control and/or are caused by the activities of third parties or are weather related.

## Performance targets 2008/09

KPI, milestone or target
Invest £185 million in the waste water network in the five year period ending 2010.
To have received no odour abatement notices due to our operational activities in 2008/09.
95% of all sewage sludge produced in 2008/09 to go to beneficial re-use outlets.
Ensure that 99.5% of the population in our operating area are served by a sewage treatment works operating within consents in 2008/09.
Continue to reduce pollution incidents by investment and operational improvements, reducing category one incidents to zero, category 2 incidents to less than six and category three incidents to less than 110*.
Continue to reduce prosecutions brought by the Environment Agency in 2008/09 through investment and operational improvements to less than six*.
To reduce the number of bathing waters failing to meet EA mandatory standards to zero.

\* We work to prevent all pollution incidents, and resultant prosecutions. However due to the nature of incidents many are out of our control and/or are caused by the activities of third parties or are weather related.

**Invest £185 million in the waste water network in the five year period ending 2010. (N.B. The figure of £380 million was originally published in error – the figure should have read £185 million)**

Performance 2007/08

KPI Ongoing 

The original asset management plan (AMP) for the waste water network estimated a programme of the value of £185m, to include maintenance, new development, sewer flooding and quality investment. The programme has developed over recent years particularly in the area of sewer flooding. Projected total investment for the AMP 4 period (2005 - 2010) for the waste water network now is now forecast to be circa £246m, with the increase being wholly due to increased sewer flooding activity.

**To have received no odour abatement notices due to our operational activities in 2007/08.**


Performance 2007/08

KPI Achieved 

No notices have been received during the reporting year.

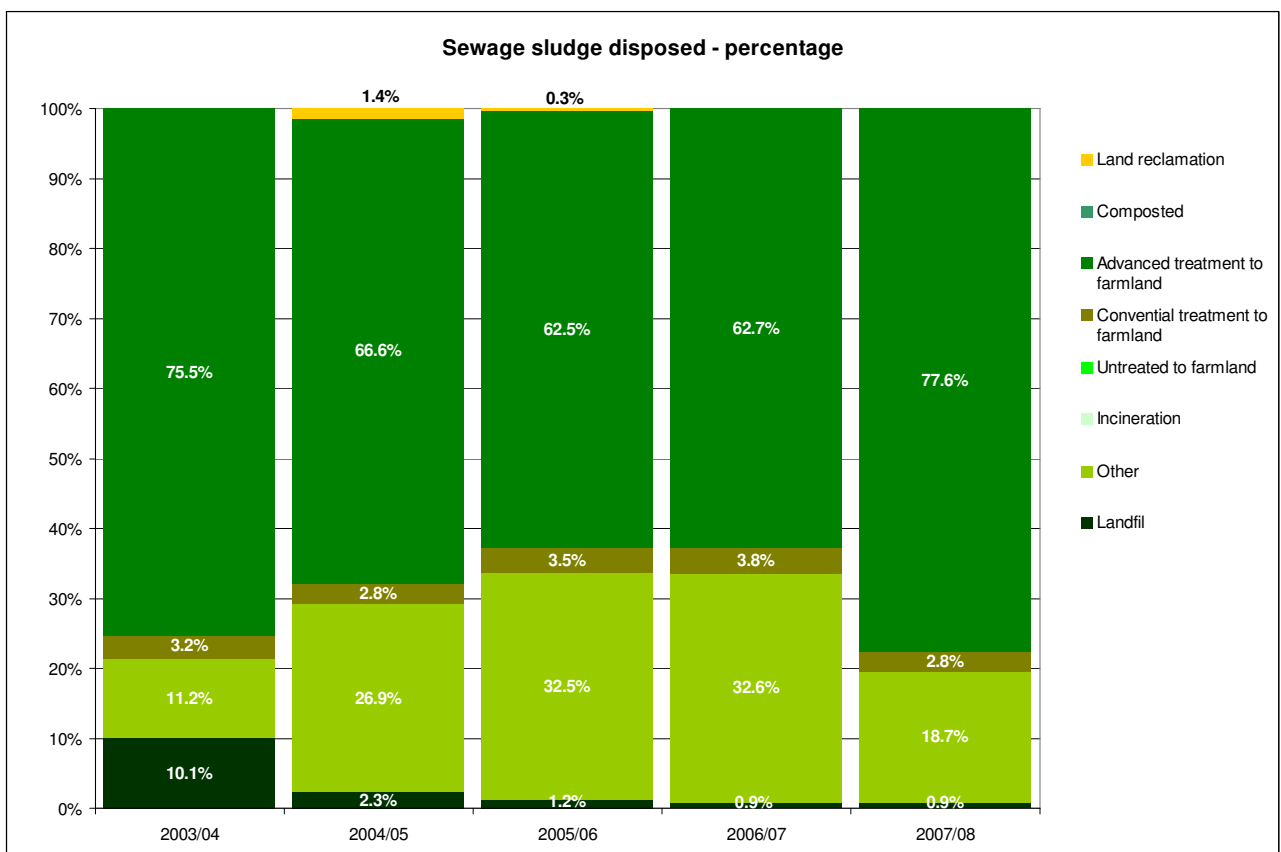
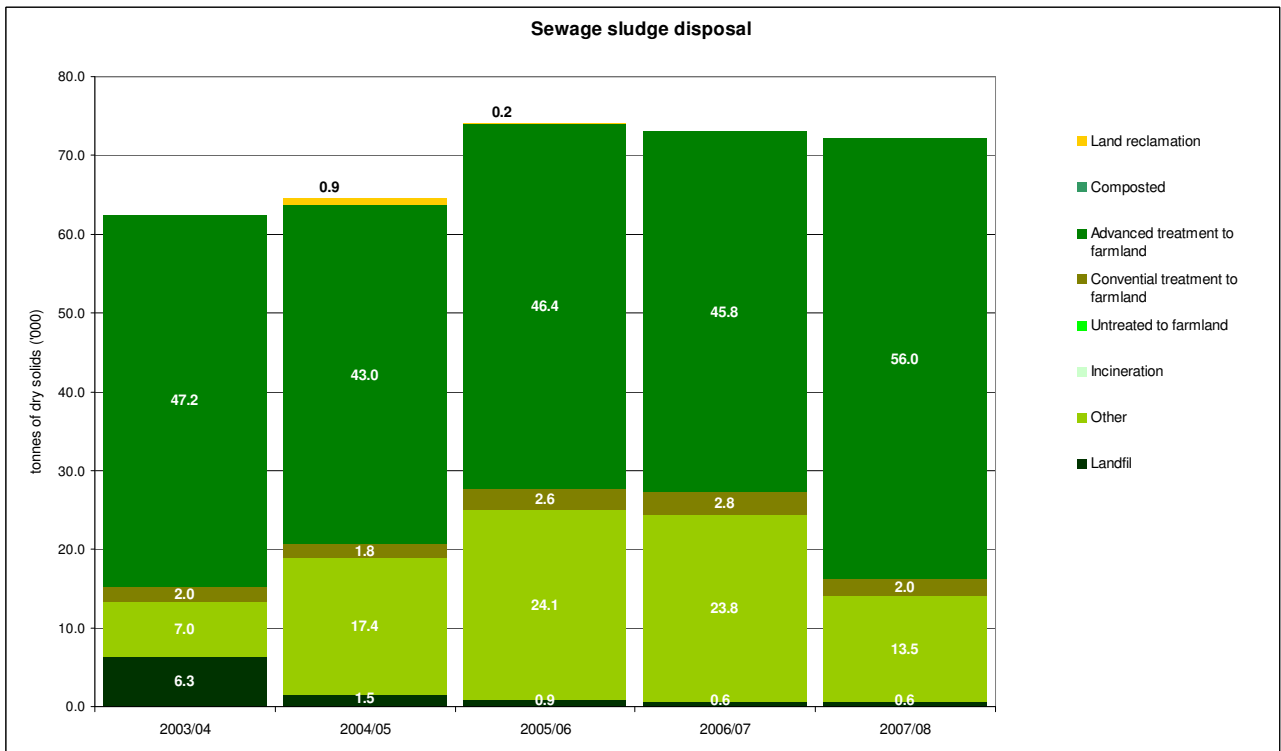
**95% of all sewage sludge produced in 2007/08 to go to beneficial re-use outlets.**

Performance 2007/08

KPI Not achieved 

99.14% of sewage sludge disposed went to beneficial re-use schemes in 2007/08, we were unable to find an appropriate reuse for 621 tonnes dry sold (tds) of advanced treated pellets which equates to less than 1% of the total sludge waste.

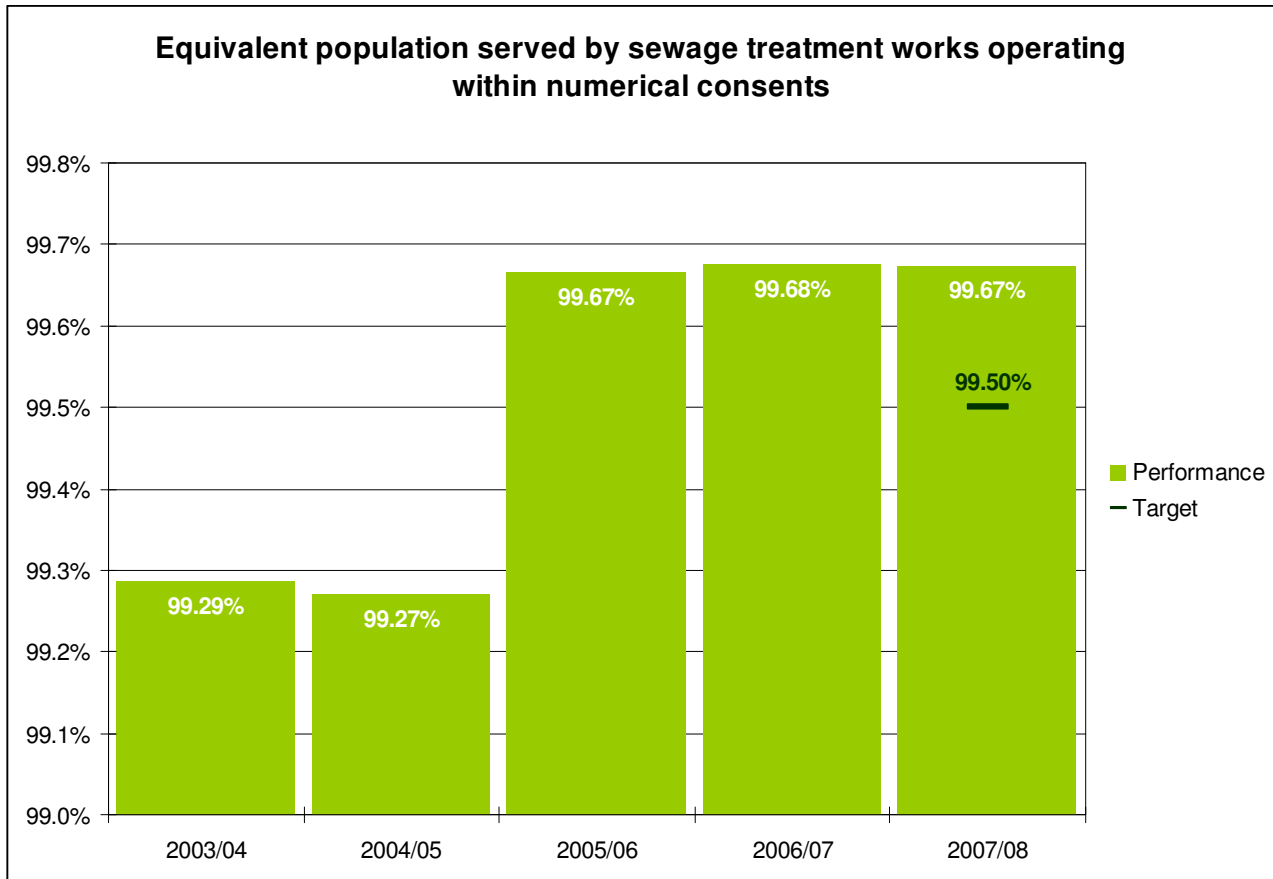
We use two advanced treatment processes to bring the sludge we produce to a standard for reuse, the processes are drying and lime stabilisation. Lime stabilization is a process where the sludge is mixed with lime to raise the pH to greater than 12. The high pH and a rise in temperature reduce pathogens and odours allowing the sludge to be reused in several ways, the sludge drying process involved the use of 'tumble dryers' turning wet sludge into sludge cake which is a more usable material. The majority of material went for agricultural use as a fertiliser and soil conditioner, though 10,705tds went to cement manufacturing as a carbon fuel substitute.



**Ensure that 99.5% of the population in our operating area are served by a sewage treatment works operating within consents.**

Performance 2007/08

KPI Achieved ✓



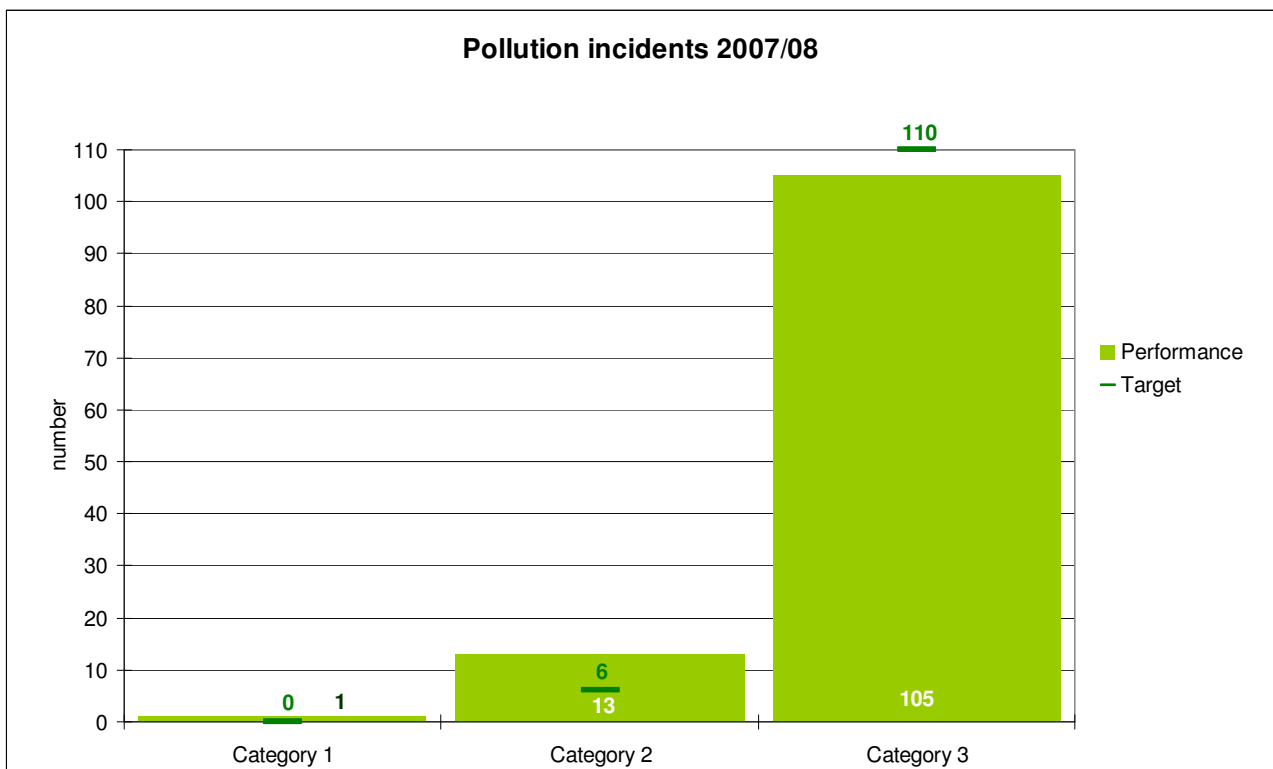
**Continue to reduce pollution incidents by investment and operational improvements, reducing category one incidents to zero, category 2 incidents to less than six and category three incidents to less than 110\*.**

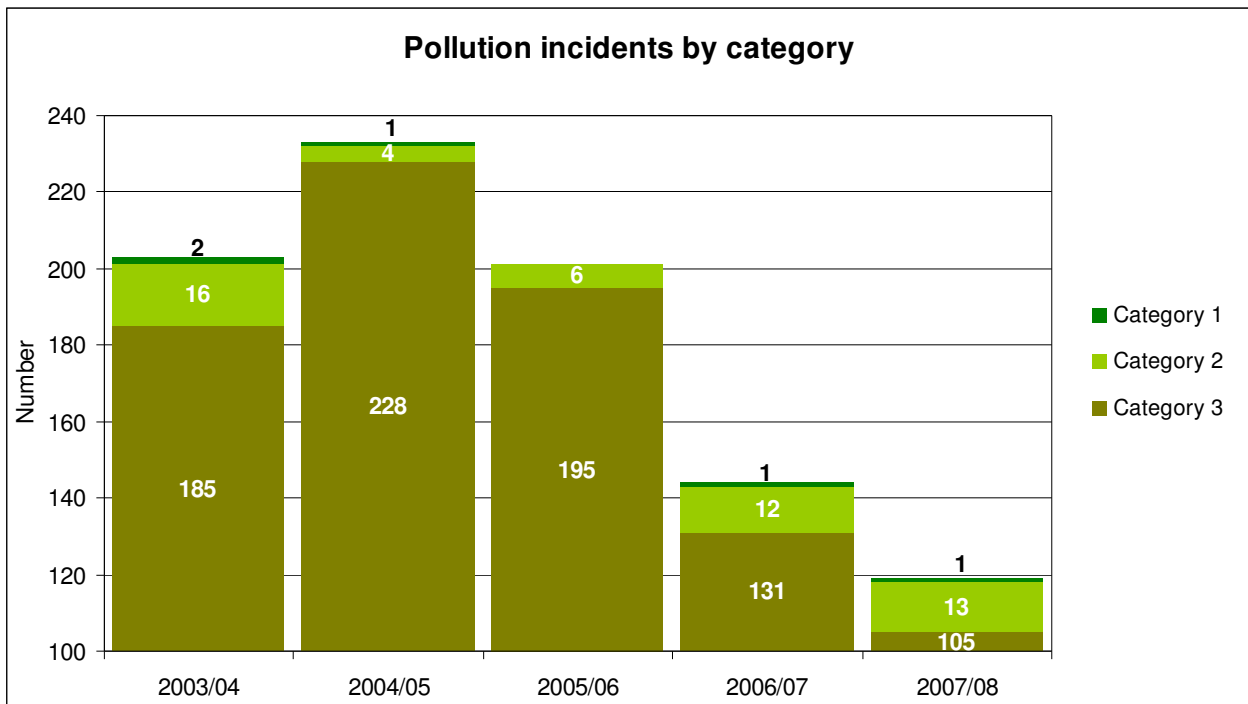
Performance 2007/08

KPI Not achieved ❌

We have made significant improvements in the overall amount of pollution incidents in the last five years, achieving the reduction target set for Category 3 incidents in 2007/8, however due to a small number of incidents we are still working to achieve a reduction in Category 1 and 2 incidents in the coming year.

As many pollution incidents are caused by blockages in sewers or sewer overflows following inappropriate use of drains and sewers our education programme about what can and cannot be flushed continues.

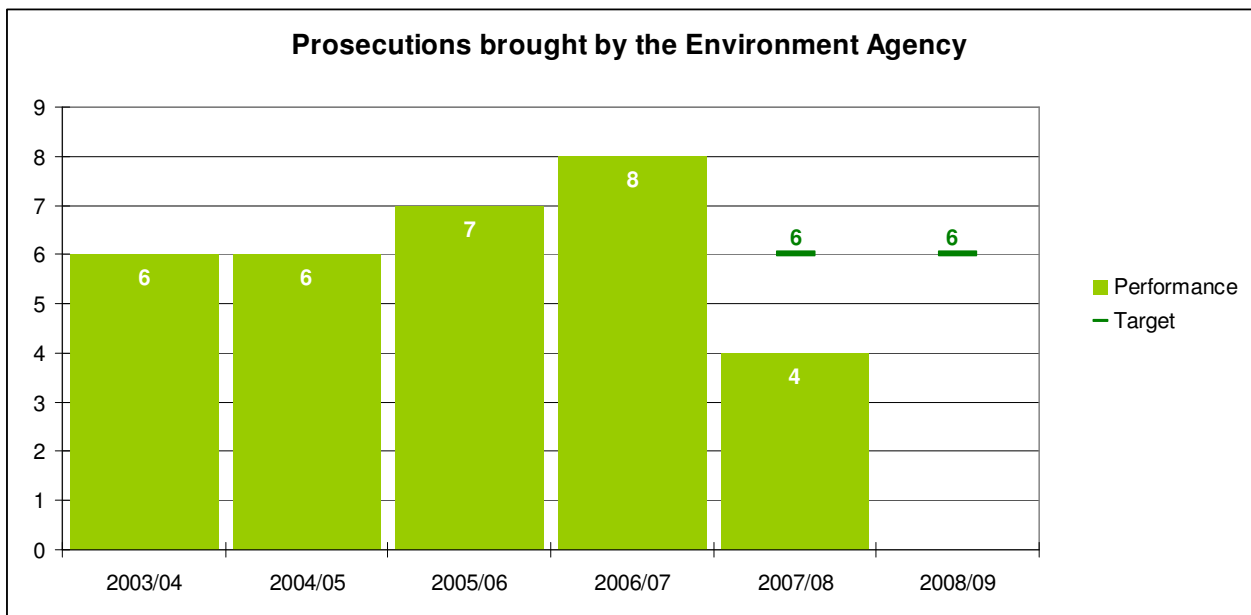




**Continue to reduce prosecutions brought by the Environment Agency in 2007/08 through investment and operational improvements to less than six\*.**

Performance 2007/08

KPI Achieved ✓



\* We work to prevent all pollution incidents, and resultant prosecutions. However due to the nature of incidents many are out of our control and/or are caused by the activities of third parties or are weather related.

**To reduce the number of bathing waters failing to meet EA mandatory standards to zero.**

Performance 2007/08

KPI Achieved ✓

All bathing waters within our operating area passed the Environment Agency’s mandatory standard for bathing waters in 2007, the last testing year that results are available. In addition to this standard 27 of these bathing waters also passed the much tighter ‘guideline’ standard. Five beaches also received a Blue Flag award, awarded to coastal destinations which have achieved the highest quality in water, facilities, safety, environmental education and management.

All bathing beaches within the Northumberland Coast Area of Outstanding Natural Beauty (AONB) have been recommended by the Marine Conservation Society (MCS) in its latest Good Beach Guide, despite a national decrease in the number of beaches recommended. The 2008 Good Beach Guide, published by the MCS, recommends beaches for bathing based on water quality tests carried out through 2007. Due to the poor weather last summer, many beaches in other areas of the country have failed to reach the required standard to be recommended.

