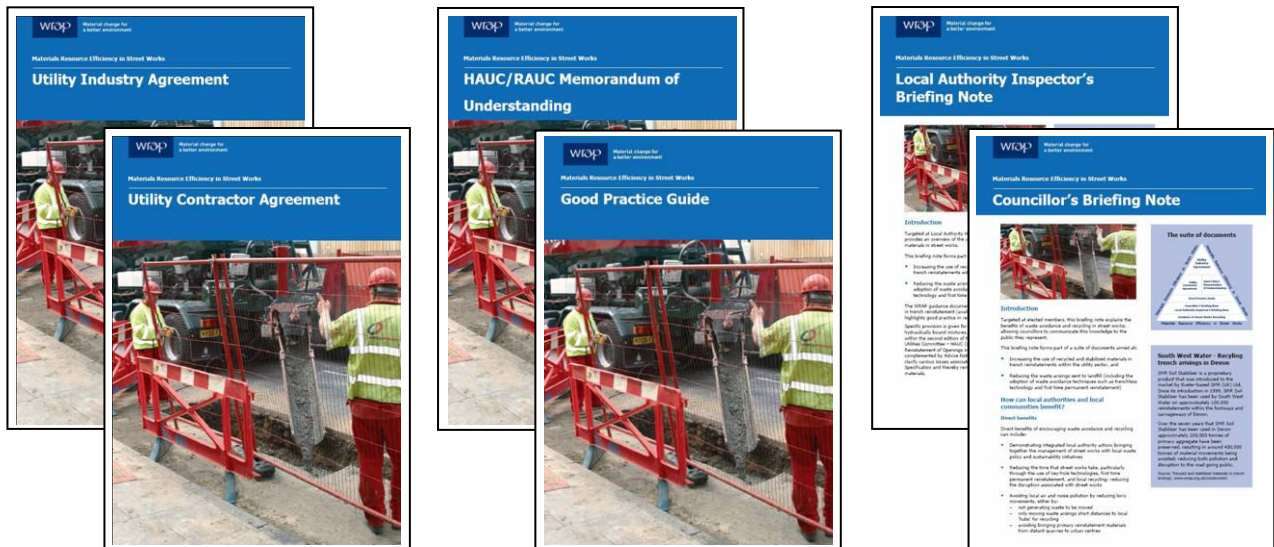


WRAP Seminar Series on Materials Resource Efficiency in Street Works



Background

Since 2001, WRAP (the Waste & Resources Action Programme) has been helping the UK to meet European Landfill Directive targets. WRAP works in many sectors, with construction being a major focus due to the quantities of CD&E Waste being produced. WRAP has developed the Utility Industry documents (above) to help the utility sector to reduce the quantity of trench arisings being landfilled by using materials resources more efficiently.

Good Practice Seminars

To complement the Good Practice Guide, part of the WRAP Utility Industry Agreement suite of documents, WRAP is hosting a series of free seminars on Materials Resource Efficiency in Street Works. Each seminar is designed to inform the sector on the latest waste avoidance techniques, the use of recycled and stabilised materials, and how they fit within the current specifications. Industry experts, such as members of the UK Society for Trenchless Technology, will join each seminar to present on the latest options available to the street works community.

Seminar dates and venues

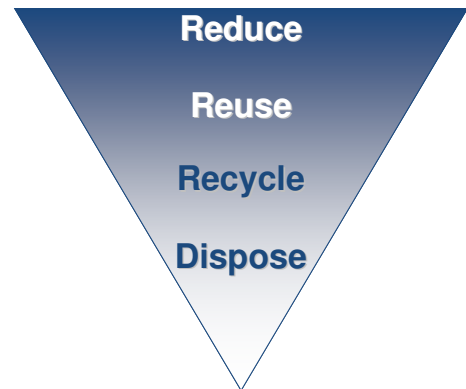
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| 16 March | Manchester – Palace Hotel |
| 20 March | London – Institute of Materials (IOM) |
| 1 April | Derby – Pride Park (DCFC) |
| 23 April | Newcastle – St. James Park (NUFC) |
| 27 April | Glasgow – Teacher Building |
| 6 May | Cardiff – St. David's Hall |
| 19 May | Bristol – Ramada Plaza Hotel (provisional booking) |

Booking

To secure your place at one of these venues, email your details and the venue you have chosen to utility_industry_agreement@wrap.org.uk. An email reply will be sent confirming your booking.

Good Practice in Street Works

Referring to the waste hierarchy (opposite), the greatest impact in material efficiency is in reducing the amount of materials being used or produced. For the utilities sector, this means reducing the quantity of trench arisings being produced during street works activities. This can be achieved by utilising waste avoidance techniques wherever possible, such as low-dig or no-dig technologies.



In street works, the next greatest impact is to reuse the trench arising when reinstating the trench. This equates to the second level of the waste hierarchy. This is not always possible, as the arisings may not comply with specifications, for example they may have a high clay or water content, in which case they may require further processing before they can be used.

By transporting these arisings to a material recycling hub for processing rather than straight to landfill, the materials can be processed into recycled or stabilised materials to be used in future trench reinstatements, thus achieving the next level on the waste hierarchy.

Finally, only if the materials cannot be reused or recycled should they be considered for responsible disposal.

Seminar programme

Each seminar has been designed to take ½ day and are seeking approval for 3 hours of CPD, with certificates issued at the end of the seminar.

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| 9:30 | Registration and coffee |
| 10:00 | Welcome and introductions |
| 10:15 | Overview of WRAP Utility Industry Agreement Including progress to date |
| 10:30 | Waste Avoidance Keyhole techniques Trenchless Technologies First Time Permanent |
| 11:30 | Recycled and Stabilised Materials Closed Loop Recycling Recycled Materials Stabilised Materials |
| 12:30 | Q & A |
| 13:00 | Close and lunch |

NB. Timing may vary due to venue restrictions

About WRAP

WRAP is Government-funded. WRAP is backed by government funding from England, Scotland, Wales and Northern Ireland.

Find out more about WRAP and its work, please visit www.wrap.org.uk to find out more about the Utility Industry Agreement, please visit www.wrap.org.uk/construction/utility_industry_agreement