

- Residual waste treatment
- Source segregated waste composting

- Renewable low-carbon energy
- Pyrolysis and gasification

About New Earth Solutions Group

Driven by the outcomes of the Kyoto Protocol on Climate Change, New Earth Solutions has developed a wide range of technologies and processes designed to recover value from waste and to reduce its impact on the environment.

With a design, build, finance and operate capability, New Earth is able to provide effective systems for both separately collected organic material and residual waste streams; partnering with local authorities to assist them in reducing their reliance on landfill disposal and achieve increasingly tougher recycling targets. Using a range of proven technologies, New Earth is expanding rapidly in order to establish a network of specialist waste treatment facilities across the UK.

New Earth has further enhanced its capabilities and services with the establishment of New Earth Energy. This specialist division is developing progressive schemes for the recovery of energy from waste. The utilisation of Advanced Thermal Conversion technology will allow New Earth Solutions Group to generate renewable energy from the biomass products of its waste treatment processes.

Environmental Benefits

New Earth nutri-9 offers a wide range of benefits to soils requiring restoration.

- Valuable source of organic matter
- Supplies key nutrient additions to soil and plants
- Can be used as a cost effective component in the manufacture of replacement topsoil
- Sustainable resource



New Earth Solutions produces quality, land remediation grade composts which are nutrient-rich organic soil conditioners derived from our Mechanical Biological Treatment (MBT) compost production facilities. New Earth nutri-9 land remediation compost is currently being used in a diverse range of soil improvement projects from landfill restoration through to forestry and energy crop establishment.

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nutri-9

Restoration Grade compost

Why restore low-grade soils?

Commonly perceived as having little or no value, derelict and brownfield land may remain vacant for long periods of time, particularly in areas that are suffering from economic decline. This can often lead to a downward spiral of under-investment by developers, in turn resulting in local residents feeling isolated from surrounding developments as their communities are left behind.



In urban locations this is particularly significant as there is likely to be less green space to detract from an overall impression of dereliction, and lack of public open space has been suggested to be detrimental to the health of local people. This, coupled with the possibility that derelict sites may present a risk to users in terms of contamination and physical hazards, has meant that the regeneration of such sites has become a priority across the UK.

Soil remediation using compost is an emerging technology that is gaining considerable interest due to its success in the treatment of various contaminants and its environmentally friendly principles.

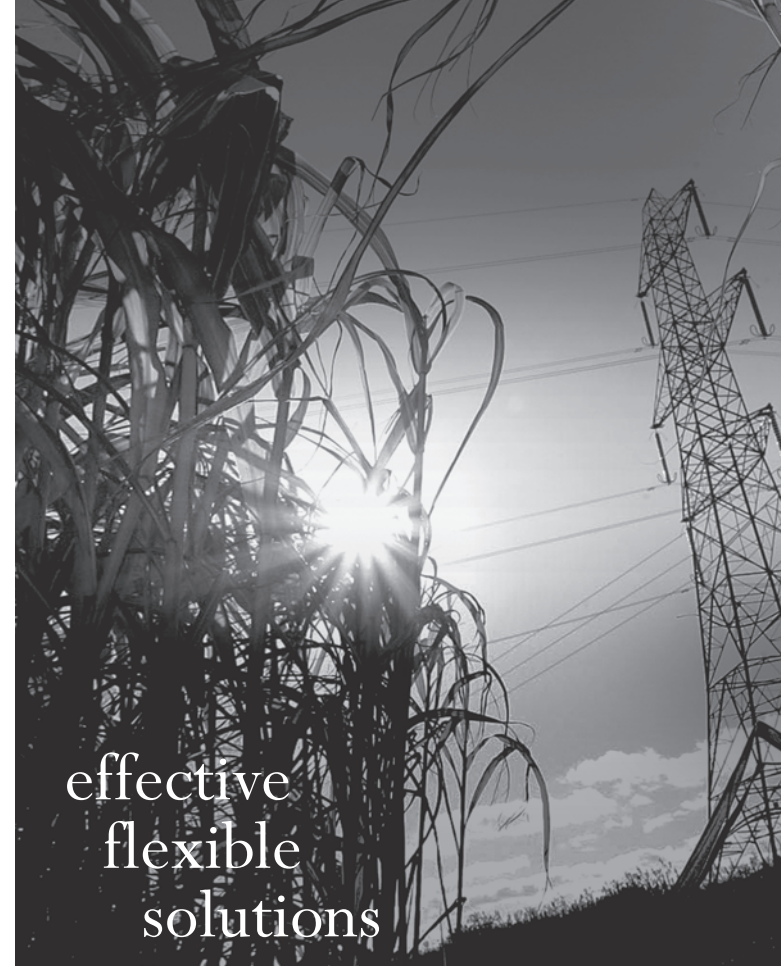
Why green space creation?

Green space provides multiple benefits including environmental, social and economic. It is becoming increasingly clear that the creation of public open space can be a major contributor to the sustainable development of derelict areas. The appearance and perception of an area is often a key factor in encouraging further investment in sites that have been subject to past industrial use, thus providing a valuable resource for green space establishment.

The environmental benefits of green space creation are wide ranging. Vegetation can stabilise potentially toxic chemicals, minimising their risk to both human and ecological health as well as improving local air quality.

New Earth nutri-9 restoration grade compost

New Earth nutri-9 is a solid particulate organic-rich material which has been fully sanitised and stabilised by the composting process. The end product is a quality organic compost which provides low-grade soils with essential amounts of organic matter and plant nutrients. These key nutrients are essential to aid the establishment of vegetation and trees as well as assisting in creating wildlife habitats on previously derelict or low ecological value brownfield sites.



effective
flexible
solutions

New Earth nutri-9 compost can be used under the Standard Rules SR2010No5 mobile plant for the reclamation, restoration or improvement of industrial land as stated in the Environmental Permitting (England and Wales) Regulations 2010.

Our technical department undertake full site surveys on behalf of clients interested in using nutri-9, to collect site specific information such as soil samples, ground water locations and wildlife habitats. This information is then used by our site supervisors to manage the delivery and application of nutri-9. Application rates are produced on a site-by-site basis by our F.A.C.T.S qualified field managers. Factors such as the current nutrient status of the soils, ground water protection zones, and ecological parameters are all considered to ensure the optimum amount of nutri-9 is applied to a site.

We provide all our land remediation clients with a site nutrient plan for compliance and future site management.