

## Technology Fact Sheet for Mitigation

Technology		Benefits	Challenges
<b>Land use change and forestry -Forest enhancement Sub Sector</b>			
<b>Landfill</b> <sup>i</sup>	Under the anaerobic (oxygen free) conditions of landfill sites, organic waste is broken down by micro-organisms, leading to the formation of landfill gas (LFG). LFG is a gaseous mixture which consists mostly of methane and carbon dioxide, but also of a small amount of hydrogen and occasionally trace levels of hydrogen sulphide. . The methane thus recovered can either be flared, or used for electricity generation.	Improved environment around the open dumping sites	Awareness and information programme required

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<sup>i</sup> This fact sheet has been extracted from TNA Report – Technology Needs Assessment and Technology Action Plans For Climate Change Mitigation– Zambia. You can access the complete report from the TNA project website <http://tech-action.org/>