

**Background Information Regarding the Newhurst Energy from Waste Facility**

1. Residual 'black bag' waste under this contract will be directed to a treatment facility located at the Newhurst Quarry, Shepshed, Leicestershire. This facility is nearing completion and is currently undertaking 'hot commissioning' (i.e., active testing of the facility using waste).
2. The treatment facility is designated as an Energy from Waste Facility (EfW) as it generates heat/steam from burning waste that is then captured in a turbine to produce electricity. Currently, only electricity is generated by the process but it has the option for other heat recovery to be enabled. The efficiency of the energy recovered allows waste to be deemed as recovered (an "R1 facility").
3. The environmental performance and energy efficiency is monitored by the Environment Agency through the site's Environmental Permit (<https://www.gov.uk/government/publications/le12-9bu-biffa-waste-services-limited-environmental-permit-issued>)
4. The site has planning permission approved by the County Council, reference 2014/1440/02 (<http://leicestershire.planning-register.co.uk/Planning/Display?applicationNumber=2014%2F1440%2F02>) which was an amendment to a prior application approved by the Planning Inspectorate. A number of subsequent amendments and discharged conditions have also been applied since this application.
5. The facility has capacity to manage approximately 350,000 tonnes per annum of waste, with a maximum of 242 vehicle movements per day (in and out).
6. The site is located adjacent to the M1 motorway (junction 23) and can be accessed from the A512. There are routing restrictions under the site's planning permission preventing HGVs accessing the site through Shepshed village (other than the A512).
7. The site can accept waste during 6am to 10pm (Mon – Fri) and 7.30am to 4pm (Sat). No deliveries can be made on Sundays and Public/Bank Holidays. No waste is collected by Waste Collection Authorities on Sundays, but Public/Bank Holidays limitations are likely to impact on collections and these may need to be diverted to other sites (such as the Bardon Waste Transfer Station which has the potential for 24/7 opening hours).
8. Waste accepted at the site will be deposited in a bunker where it is mixed with other waste and lifted by crane to a hopper. The waste then travels along a moving grate where it is burnt to recover energy. Gaseous emissions are filtered so that emissions from the stack are within the limits set by the Environment Agency. Ash from the process is sent for treatment and stabilisation and subsequently recycling or disposal.

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