



Information Pack

**Proposed new Waste Transfer Station,
Corbriggs, Chesterfield**

September 2009

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Contents

1. Overview
2. Corbriggs
3. Who is Resource Recovery Solutions?
4. Key Facts
5. Timetable

1. Overview

New waste facilities for Derby and Derbyshire

Resource Recovery Solutions (Derbyshire) Ltd (RRS), a partnership between United Utilities and Interserve, was selected as the preferred bidder by Derby City Council and Derbyshire County Council for their joint waste management contract in December 2008.

As part of this contract, RRS is looking to develop new facilities across Derby and Derbyshire - to meet targets to increase recycling levels and divert waste from landfill.

Having undertaken a public engagement exercise on the proposals for a new Waste Treatment Facility and Education Centre at Sinfin Lane and two Waste Transfer Stations at Clover Nook in Alfreton and Magfern's Yard in Derby, RRS is now undertaking a similar exercise on its proposal for Corbriggs.

This information pack is designed to provide you with more information on the proposal for a new regional Waste Transfer Station at Corbriggs near Chesterfield.

Further detailed information on all of these facilities can be found on the project website at www.resouceresolutions.co.uk

The need for new facilities

In Derby City and Derbyshire, over 520,000 tonnes of municipal waste is collected each year by the Councils. In 2008/9, more than 314,000 tonnes of this waste was sent to landfill – enough waste to fill a third of Wembley Stadium.

We can't keep relying on landfill:

- We must act to reduce the environmental impact of landfill - when waste is landfilled it creates methane which is a potent greenhouse gas
- Derby City Council and Derbyshire County Council could face costs of millions of pounds if they don't meet strict targets to reduce landfill – which could see Council Tax increase

Reducing, re-using and recycling is an important part of managing Derby and Derbyshire's waste sustainably. RRS will work with the Councils to minimise the amount of waste produced and to encourage households to recycle as much as possible. Derby City Council and Derbyshire County Council have set a joint recycling target of 55% by 2020. The waste hierarchy diagram below shows how the different ways in dealing with waste fit together, and that reduction, re-use and recycling of waste should always be the first option.



However, not all waste can be managed this way and extra facilities are needed to deal with the residual municipal waste (left after recycling) and to reduce the amount sent to landfill.

Derbyshire County Council, Derby City Council and the eight district/borough Councils have developed the Joint Municipal Waste Management Strategy

(June 2006) to look at how the amount of municipal waste being produced, and sent to landfill, can be reduced. The strategy provides a framework for how municipal solid waste will be dealt with in the County and City over the next 20 years to ensure that Government targets are met.

Against this background, both Councils tendered for bidders to take forward a joint waste management contract. Resource Recovery Solutions (Derbyshire) Ltd was selected as the preferred bidder by Derby City Council and Derbyshire County Council. The 27 year contract will see £500 million invested in Derby and Derbyshire. This contract is not a Private Finance Initiative.

What facilities are being proposed?

As part of this contract RRS is looking to develop:

- A new Waste Treatment Facility and Visitor and Education Centre at **Sinfin Lane**, Derby
- A new Waste Transfer Station at **Clover Nook Industrial Estate**, Alfreton, Derbyshire
- A temporary Waste Transfer Station at **Magfern's Yard**, Downing Road, Derby
- The existing Waste Transfer Station at **Corbriggs**, Chesterfield

RRS proposes to deal with residual municipal waste by developing a main Waste Treatment Facility and Visitor & Education Centre at Sinfin Lane in Derby, which will recycle some materials before utilising proven gasification technology to generate renewable energy from the leftover, non-recycled waste. A planning application for the facility has already been submitted to Derby City Council and it is expected that the application will be determined in September 2009.

This facility will be served by three regional Waste Transfer Stations across Derby and Derbyshire. These Waste Transfer Stations will be used to transfer waste collected from refuse collection vehicles onto bigger vehicles for onward disposal to the Waste Treatment Facility or to landfill. The use of bigger vehicles helps to reduce carbon dioxide levels as fewer vehicles are needed to transport the waste.

RRS has already secured planning permission for two Waste Transfer Stations – at Clover Nook Industrial Park, Alfreton, Derbyshire and Magfern's Yard, West Meadows Industrial Estate, Derby. The Magfern's Yard facility is required for a temporary period of about 2 years whilst the Sinfin Lane facility is being developed.

An additional Waste Transfer Station is needed to serve the north east of Derbyshire. RRS is proposing to develop the existing MXG Waste Transfer Station at Mansfield Road in Corbriggs, Chesterfield, Derbyshire.

RRS will also be managing the Household Waste Recycling Centres (where the public can recycle and dispose of their waste) across Derby and Derbyshire. A 60% recycling/composting target by 2012 has been set for the HWRCs. Future waste management facilities will be developed jointly by the Councils and RRS.

What happens to your waste?

Derby City Council and Derbyshire County Council have set a joint recycling target of 55% by 2020. The Joint Municipal Waste Management Strategy sets out the extensive waste minimisation, re-use, recycling and composting services which are being expanded to ensure that this target is met. The new facilities proposed by RRS will help to exceed this target, reduce landfill and recover energy from the residual waste left over after recycling has taken place.

Benefits

The proposals offer a number of benefits:

- Providing an alternative to mass landfilling which is no longer ethically, environmentally or financially sustainable
- Diverting around 180,000 tonnes (equivalent to the weight of **23,904 double decker buses**) of waste from landfill
- Assisting in reducing Derby City Council and Derbyshire County Council's carbon footprint – saving over 48,000 tonnes of carbon dioxide every year, as calculated by the Environment Agency's WRATE (Waste and Resources Assessment Tool). The equivalent of taking more than **16,000 cars off the road each year**
- Helping the Councils avoid significant fines if they don't meet strict targets to reduce landfill – which could see Council Tax increase
- Meeting Landfill Allowance Trading Scheme (LATS) targets each year up to 2020 and beyond
- Offering value for money
- Representing an investment of **£500 million** in Derby and Derbyshire. This contract is not a Private Finance Initiative (PFI)
- Helping Derby City Council and Derbyshire County Council meet its joint recycling target of 55% by 2020
- Allowing energy to be recovered from the waste left over after recycling has taken place, generating enough **electricity to power 14,000 homes**
- Using proven, safe technologies for waste management
- Redeveloping a contaminated site at Sinfin Lane
- Creating employment opportunities for the local area

Informing and involving local people

Before we submit a planning application for the Corbriggs site, RRS is informing and involving the local community and interested parties.

We are hosting two public information days to give people the opportunity to view the proposal, ask questions and give feedback.

The public information days are taking place in Grassmoor and Hasland on:

- **Thursday, 24th September, 12pm-7pm** – Grassmoor Community Centre, New Street, Grassmoor, Chesterfield, Derbyshire, S42 5EL
- **Friday, 25th September, 10am-5pm** – Hasland Village Hall, Eastwood Park, Hasland Road, Hasland, Chesterfield, Derbyshire, S41 0AY

There are a number of other ways you can feedback on the proposal.

Feedback forms will be available at the public information days where you can register your views and ask any questions. You can also have your say by contacting RRS in the following ways:

- calling the FREEPHONE information line on 0800 1303 505
- writing to us at the FREEPOST address FREEPOST RSAU-GHZX-RAKG, Resource Recovery Solutions (Derbyshire), 4 Clearwater, Lingley Green Avenue, Warrington, WA5 3UZ
- emailing info@resourcerecoverysolutions.co.uk
- via the online feedback form on the website www.resourcerecoverysolutions.co.uk

Once the application has been submitted, you will be able to comment on the proposal directly to Derbyshire County Council, who will undertake their own formal consultation as part of the planning process. Information on how to do this will be available on the Council's website.

2. Corbriggs

Q: What is being proposed?

RRS is proposing to develop the existing Waste Transfer Station at Mansfield Road in Corbriggs, Chesterfield. The Corbriggs Waste Transfer Station is operated by MXG, a specialist recycling company, who will continue to operate the facility as a third party contractor for RRS. The facility will be upgraded to enable waste collected by the Councils to be handled at the site alongside the current handling of building and demolition waste.

As the Corbriggs facility already operates as a Waste Transfer Station no new buildings/structures are needed on the site, apart from two portacabins, an additional weighbridge, an external gully waste store and additional container storage.

Q: Where is the site?

The site is located at Corbriggs, Hasland, approximately 4km to the south east of Chesterfield and 14km to the north east of Matlock. The site is situated off Mansfield Road and the A617 Hasland Bypass, located in an established industrial area. The site has been associated with waste transfer/recovery for approximately 7 years.

Q: What is currently on the site?

An existing Waste Transfer Station, operated by MXG, currently occupies the site. MXG's offices are located to the south west of the site at Alexander House and other industrial buildings are located to the south east.

Q: Why has this site been chosen? What other sites have been considered?

The site was chosen because:

- It already operates as an existing Waste Transfer Station which can be upgraded without the need to develop any additional buildings
- Expanding the service at Corbriggs will secure the future of a local Derbyshire business

- The site is located in an established industrial area and has good connections to the A617
- The site benefits from good screening by existing woodland and other industrial buildings

Q: How large is the site?

The application site covers an area of approximately 2.7 hectares.

Q: What will the Waste Transfer Station do?

The Waste Transfer Station will be used to transfer waste collected from refuse collection vehicles onto bigger vehicles for onward disposal to the Waste Treatment Facility or to landfill. The use of bigger vehicles helps to reduce carbon dioxide levels as fewer vehicles are needed to transport the waste.

Q: How much waste will be processed?

In addition to the 19,500 tonnes per year of building and demolition wastes currently handled by the existing Waste Transfer Station, the plans propose an additional 24,000-48,000 tonnes of waste per year, bringing the total capacity of the facility to 47,500-71,500 tonnes per year.

Q: Will waste be treated on site?

With the exception of fly-tipped waste, which will be accepted and hand sorted into different components, all contract waste will remain unprocessed and will be temporarily stored in the building until there is sufficient quantity to transfer it to either the treatment facility at Sinfin Lane or to landfill.

Q: When would the Waste Transfer Station operate?

Opening hours for the delivery of waste are prescribed by the Councils as part of the Contract. The facility would accept waste between 7am – 5pm Monday to Friday, 7am – 1pm Saturday and 7am – 9am any Sunday in any week having a Bank, Public or National Holiday (except Christmas Day and Boxing Day).

Q: When will the facility become operational?

The site will become operational 1st April 2010.

Q: How many vehicles will be entering/leaving the site daily?

The planning application will be accompanied by a full Transport Assessment (TA) which is currently being finalised. Current figures show that the number of journeys to and from the site will increase to around 142 per day, which the road network can easily accommodate. This would increase traffic by approximately 52 vehicles per day when compared with the existing operations on the site and an increase of less than 2% in the number of vehicles per day along Mansfield Road.

Q: How will vehicles enter the site?

The existing access from Mansfield Road will be used to access the site. HGVs accessing the site will have to follow designated routes agreed with Derbyshire County Council. Before leaving the site, vehicles will be checked and will be followed by a road sweeper if they are muddy. Vehicles will also be covered to prevent any waste falling onto the road.

Q: Will it smell?

To help prevent the generation of smells, municipal waste will be handled and stored inside the existing Waste Transfer Station buildings. This waste will be loaded onto larger trucks for onward transportation within a maximum period of 24 hours, but usually within a few hours.

Q: Will it be noisy?

A Noise Assessment is being undertaken which will be submitted alongside the planning application. Initial results indicate that the design of the facility will ensure that effects of noise are not significant.

Q: Will it affect air quality?

An Air Quality Assessment will be undertaken and submitted to Derbyshire County Council as part of the planning application. However, the impact of the

current operation of the site is minimal and RRS does not expect that the operation of the new facility will have any further impact.

Q: Do you need an Environmental Permit to operate the facility?

To operate the facility we need planning permission from Derbyshire County Council and a permit from the Environment Agency. These will only be granted if the Council and the Environment Agency can be satisfied that the proposed facility can operate without adverse impacts on people and the environment.

Q: When is the planning application expected to be submitted?

It is anticipated that the planning application will be submitted to Derbyshire County Council in November 2009.

3. Who is Resource Recovery Solutions?

Resource Recovery Solutions Ltd (RRS) is a partnership between United Utilities and Interserve. RRS provides cost effective and environmentally sound waste management solutions for local authorities. For more information visit <http://www.resourcerecoverysolutions.co.uk>

United Utilities is the UK's largest listed water company. United Utilities owns, operates and maintains utility assets including water, wastewater, electricity and gas. United Utilities is a UK FTSE 100 company, has a turnover of £2 billion and is the UK's market leader in utility outsourcing. United Utilities operates a highly successful multi-utility connection business and manages metering contracts. United Utilities provides services to over 20 million people worldwide – across Europe, the Middle East, Australia and the Philippines.

United Utilities has recently been named as Company of the Year 2009 by Business in the Community, due to its groundbreaking work to embed sustainability and put the community it serves at the heart of its business.

For further details about United Utilities visit <http://www.unitedutilities.com/>

Interserve is a services, maintenance and building group operating in the public and private sectors, both in the UK and internationally. The company offers advice, design, construction and facilities management services for society's infrastructure and provides a range of plant and equipment in specialist fields.

For further details about Interserve visit: <http://www.interserveplc.co.uk/>

4. Key Facts

Key Facts	
Total amount of municipal waste produced in Derby City and Derbyshire (2008/9)	520,000 tonnes
Amount of municipal waste recycled (Kerbside recycling and other recycling) (2008/9)	205,300 tonnes
Amount of residual municipal solid waste landfilled (2008/9)	314,000 tonnes
Amount of waste received by Household Waste Recycling Centres (HWRCs) (2008/9)	76,400 tonnes
Recycling performance at HWRCs (2008/9)	57%
Recycling Target at HWRCs (2012)	60%
Overall Household Waste Recycling performance of Councils (2008/9)	Derbyshire 41.3% Derby 43.7%
Overall Recycling Target of Councils (2020)	55%
Recycling target at Treatment Plant	5%
Planned Recycling rate at Treatment Plant	10%
Waste Reception Capacity of Sinfin Lane facility	200,000 tonnes
Waste Treatment Capacity of Sinfin Lane facility	190,000 tonnes
Energy generation of Sinfin Lane	8 MWh (14,000 homes)
Capacity of Magfern's Yard facility	110,000 tonnes
Capacity of Clover Nook facility	50,000 tonnes
Capacity of Corbriggs facility	71,500 tonnes
Reduction in carbon emissions due to the Sinfin Lane facility (calculated by Environment Agency's WRATE tool)	48,239 tonnes carbon dioxide per year
Total employment opportunities created:	
Operational jobs	38
Construction jobs	60-80
Total investment in Derby and Derbyshire under the contract	£500 million
Contract duration	27 years

5. Timetable

Site	Public Engagement	Submission Date	Determination	Expected Opening
Sinfin Lane	March 2009	May 2009	Expected September 2009	Phase 1 – Oct 2011 Phase 2 – June 2012
Magfern's Yard	March 2009	April 2009	Approved July 2009	April 2010
Clover Nook	March 2009	April 2009	Approved August 2009	April 2010
Corbriggs	September 2009	Expected November 2009	Expected Spring 2010	April 2010