

**BDR WASTE PFI  
BDR MANAGER ANNUAL UPDATE REPORT**

**APRIL 2017 – MARCH 2018**

**1.0 Governance**

**1.1 Resources**

- 1.1.1 Tom Smith has been appointed as the new Assistant Director of Community Safety and Street Scene in Rotherham and commenced in the post mid-March 2018.

**1.2 BDR Liaison Committee Meeting**

- 1.1.1 Ashley Comerford 3SE, became the Chair of the BDR Liaison Committee and the annual review meeting was held in October 2017. Following on from a request at that meeting, a 6-month review was held in April 2018.
- 1.1.2 The following key priorities for 2017/18 were agreed at the annual meeting in October as shown below:
- Improving level of performance and sustaining recycling rate
  - Improvements in working with communities, schools and an increased focus on re-use
  - Clear visibility of achievements from the Community Education and Liaison Officers work plan
  - Contractor to re-look at amount of Corporate Social Responsibility funding in place
  - Ensure Health and Safety continues to be a priority
  - Carbon management plan and movements around minimising environmental impacts
  - Turnaround times and back end process to be streamlined
- 1.1.3 The following items were discussed at the review meeting in April 2017:
- Contractual performance and recycling rates
  - The Love Food Hate Waste campaign
  - Appointment of an apprentice to assist the CELO in the delivery of the CELO plan
  - The outcome of the Dispute Resolution Process

- Options available to upgrade the fire protection at site at the request of the insurers
- Major projects that are to be undertaken during 2018/19 including improving the quality of the Compost Like Output.
- Rotherham Council collection changes and the contractual process required to implement the changes

### **1.3 Steering Committee**

- 1.1.4 The Chair of the BDR Steering Committee will rotate from Barnsley Council to Doncaster Council in July 2018 and the BDR Team would like to thank Paul Castle for his hard work and support during 2017/18.

### **1.4 South Yorkshire Leaders Meeting**

- 1.1.5 The BDR Manager attended the South Yorkshire Leaders Meeting November 2017 to present the 2016/17 Annual Service and Environmental Report. An update on the progress of the South Yorkshire Municipal Waste Strategy was also provided.

### **1.5 Operating Contractor (OpCo)**

- 1.1.6 A new Contract Director dedicated exclusively to the BDR Project joined the business in July 2017.
- 1.1.7 A new Head of Health and Safety for Renewi Services UK was appointed in July 2017, additionally, a new Senior Safety Health Environment and Quality Advisor was recruited to share responsibilities between BDR and one other PFI contract.

## **2.0 Contract Delivery**

### **2.1 Bolton Road**

- 1.1.8 Continuous improvement processes have been implemented on various sections of the MBT to help identify, program and complete actions to improve plant availability and performance. Several minor projects were completed, giving excellent results in addressing issues and preventing reoccurrence.
- 1.1.9 The AD plant faced a number of challenges during this year, which has affected the power output of the facility, the volume and quality of the

Compost Like Output (CLO) output and emissions from the pollution control system. The Environment Agency has been involved in assessing the impacts of these challenges and the proposed mitigations.

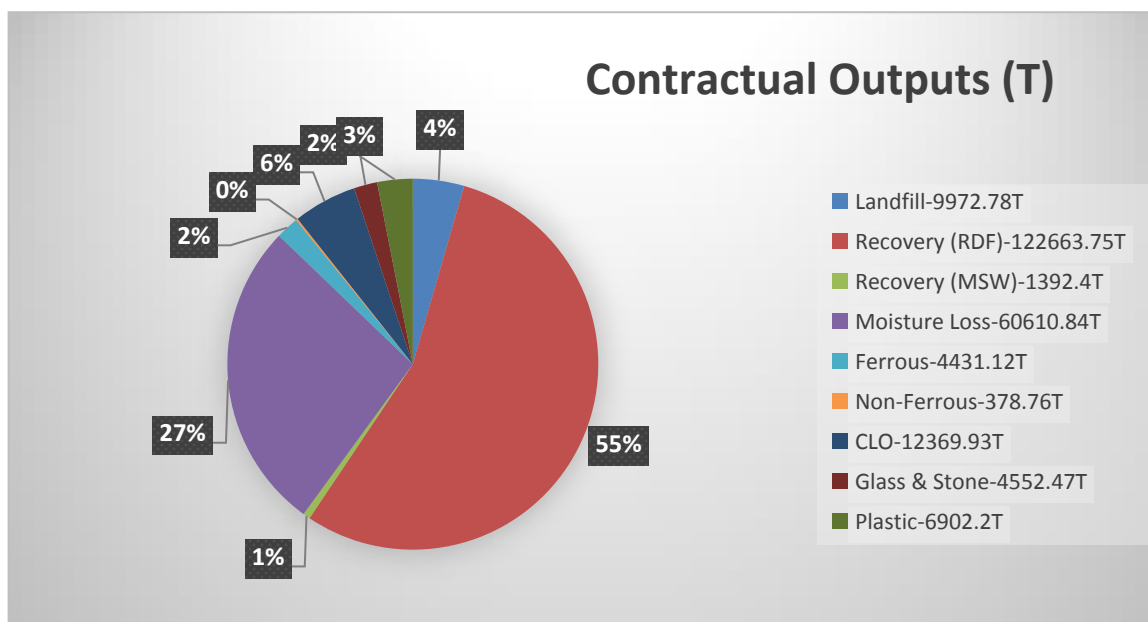
- 2.1.3 During the year, there has been an increase in downtime from the Combined Heat and Power (CHP) system, which impacted on the generated power produced. There have been 3 major periods of downtime of the CHP. During this period all Biogas was sent to the flare to be burnt. A new maintenance contract is now in place providing 24 /7 support to increase the uptime and performance.
- 2.1.4 There has been a continuing decrease in the levels of glass contamination in the CLO throughout the year with the average percentage glass in the CLO falling from 4% to 2.5% due to improvement in screening equipment and better control of the fines process.
- 2.1.5 Emission levels of ammonia out of the bio filter stack are above the levels indicated in the process design specification data. The process provider has proposed modifying the present Ammonia Scrubber to include an acid dosing system.

**Table 2.1.1 Performance - Tonnage**

Authority	Contract Waste Tonnage	Percentage Breakdown
Barnsley	64,332.47	29%
Doncaster	85,016.08	39%
Rotherham	70,198.97	32%
<b>TOTAL</b>	<b>219,547.52</b>	<b>100%</b>

1.1.10 Table 2.1.1 shows the tonnage of contract waste delivered to the facility from 1<sup>st</sup> April 2017 to the 31<sup>st</sup> of March 2018. In addition to the councils tonnages the plant accepted 31,000 tonnes of third party waste.

**Figure 2.1.1 Contractual Outputs**



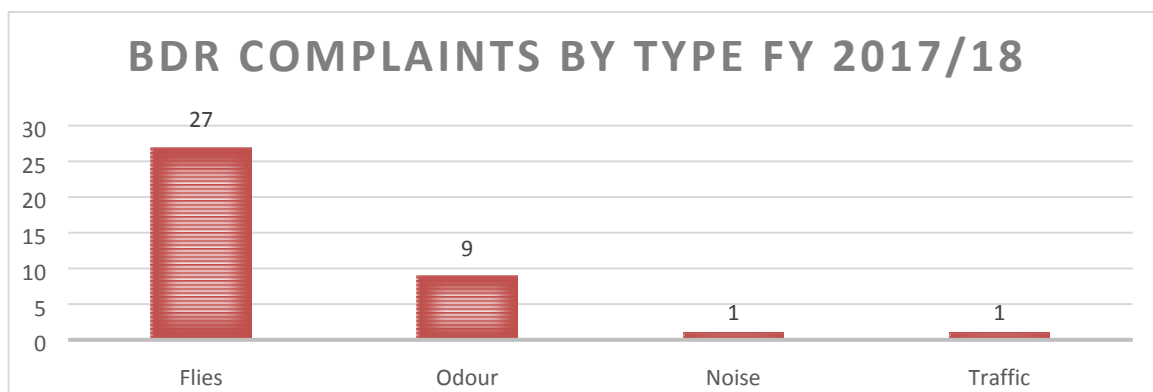
1.1.11 Figure 2.1.1 represents the contractual outputs from the waste treatment facility once the residual waste has been treated through the Mechanical Biological Treatment (MBT) and Anaerobic Digestion (AD) processes.

**Table 2.1.2 Contract Targets**

	<b>Recycling %</b>	<b>Diversion %</b>
<b>Contract Target</b>	19.00%	95.00%
<b>Contract Performance</b>	15.11%	96.35%

## 2.2 Complaints

**Figure 2.2.1 Complaint Statistics**



2.2.1 A total of 38 complaints were received. These were in relation to noise, odour, flies and traffic coming from the facility.

2.2.2 There have been several fly complaints throughout the year, which have all been investigated. A new Larvicide dosing system has been designed and installed on the shredders, which should give an improvement in the level of fly numbers in 2018/19.

2.2.3 There has also been a small number of noise complaints that have been fully investigated however the noise complaints do not correlate with site activities. There continues to be full engagement with both the BDR manager and the EA over such matters demonstrating Renewi, as an open, honest and responsible contractor.

**Table 2.2.1 Details of Communications with any Relevant Authority**

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
EA inspections @ BDR Bolton Road												
EA inspection @ Barnsley Transfer Station												
CAR Received BDR Bolton Road		1	1	1	1	0	2	2	0	1	2	1
CAR Received Barnsley Transfer Station												
HSE Enforcement notices BDR Bolton Road												
HSE Enforcement notices Barnsley Transfer Station												
HSE Cautions BDR Bolton Road												
HSE Cautions Barnsley Transfer Station												
New Permits, Variations, Revocations & Suspensions issued. (All Operations)												

2.2.3 Renewi as OpCo have been working closely with the Environment Agency to ensure they remain compliant with their environmental permits.

2.2.4 The Company secured all its Environmental quality accreditations following the completion of independent audits in July.

2.2.5 Objectives have been identified in the site's project development plan to tackle a number of important site improvements during the year, including the following:

- Fire monitoring & control enhancements (as required by insurers)
- Improvements to the site's bio-drying capability
- Reducing down-time in the refinement section of the facility
- Possible installation of additional processing equipment
- AD improvements to the emission control systems, and
- Segregation of bulky items from HWRC waste

## 2.3 Ferrybridge

2.3.1 Offtake of the MBT outputs has been relatively stable. At Ferrybridge the SRF off-taker have suffered some issues that have resulted in longer tipping times for delivery vehicles, which can impact on the just in time process at Bolton Road. Several duty of care audits have been completed with current and proposed off-takers.

2.3.2 During 2017/18 Ferrybridge generated 578,804 MWhrs of electricity and accepted 623,839 tonnes of BDR's SRF.

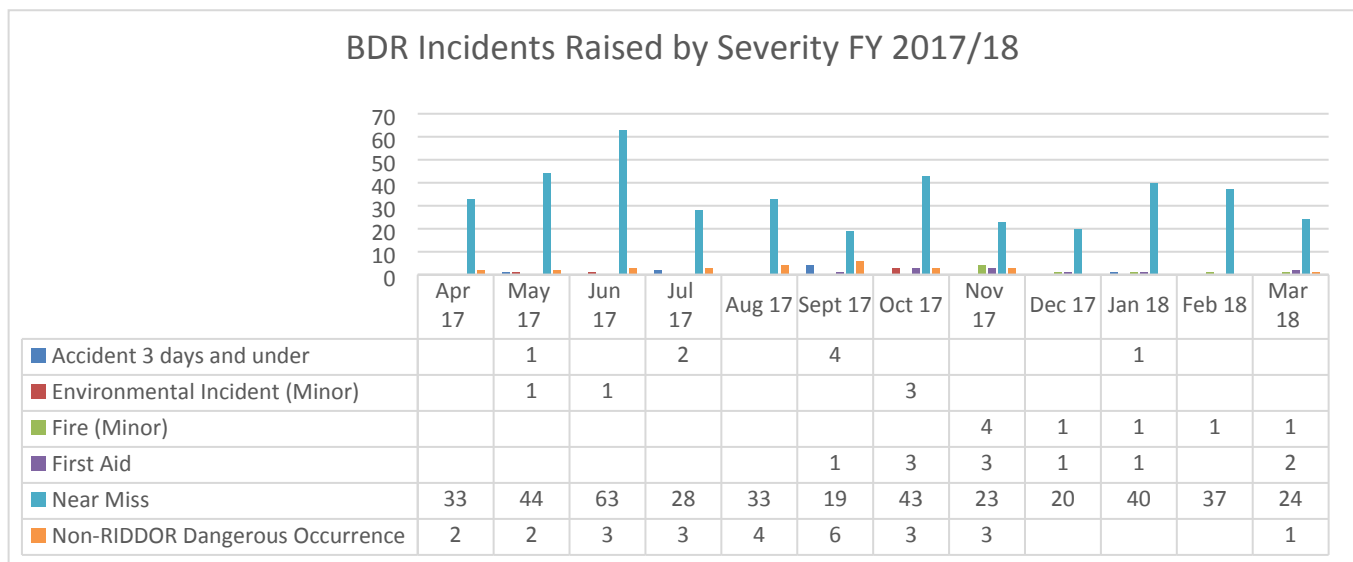
## 2.4 Grange Lane

2.4.1 The dilapidation work was undertaken from May to November 2017 at Barnsley Transfer Station and work planned allowed the Transfer Station to remain operational.

2.4.2 During the dilapidation work, it was identified that there was additional work required, over and above the work identified in the original survey. Push walls were replaced along with the electrical wiring to the lights, it was also discovered that the roof supports were badly corroded and this was impacting on the integrity of the roof. Barnsley Council along with Renewi are discussing options for replacing the roof, which is planned for 2018 -2019, along with some remedial work required on the paintwork completed as part of the Dilapidation works.

## 2.5 Health and Safety

**Figure 2.5.1 Health & Safety Statistics 2017-18**



2.5.1 Renewi uses the Safety, Health and Environment Assure incident reporting database to record and action health and safety incidents at their sites.

2.4.2 This database presents information in a simple to use format with search and filtering tools along with a wide range of dashboard and reporting options. All reports are reviewed by the Renewi Compliance department who can use this information to understand any common issues at operational sites; update site rules, standard operating procedures and identify areas where further training may be required.

2.4.3 Comprehensive action is taken by Renewi operational staff where incidents occur. Incidents and actions are reviewed by Operational Managers from each authority and internal Health and Safety Officers at the quarterly health and safety meetings.

### 3.0 Legal

#### 3.1 Insurance

- 3.1.1 Dispute resolution was triggered on the 14th November 2017 and the adjudicator's conclusion submitted on 21st December 2017 found in the Councils' favour.

#### 4.0 Financial

- 3.1.1 The Operational Management costs for 2017/18 was £46,907 underspent. This included the costs of dispute.

**Table 4.1.1 Operational Management Budget Out turn 2017/18**

Contract Manager detail	Data			
	Sum of Spend to date	Sum of Total Forecast 2017/18	Sum of Budget 2017-18	Sum of Variance 2017/18
Administration	23130	23130	22667	463
Call off Finance	0	0	1120	-1120
Call off Legal	62578	62578	66897	-4319
Call off Technical	0	0	0	0
Contingency Advisor				
Costs	3200	3200	10000	-6800
External Finance	22727	22727	30000	-7273
External Legal	74841	74841	50000	24841
External Technical	10968	10968	30000	-19032
HWRC Project	0	0	10000	-10000
Management	112194	112194	135861	-23667
Grand Total	309638	309638	356545	-46907

- 3.1.2 It is proposed that the 2018/19 operational management budget is reduced by 12.3% it is anticipated that this will be sufficient for due diligence on the Fire Improvement Works, negotiation of changes and on-going work on Operational savings. Should there be any disputes this would be an exceptional spend.

**Table 4.1.2 Operational Management Budget 2018/19**

Contract Manager detail	Data			
	Sum of Spend to date	Sum of Total Forecast 2018/19	Sum of Budget 2018-19	Sum of Variance 2018/19
Administration	1,172	22,425	22,765	-340
Call off Finance	0	1,120	1,120	0
Call off Legal	9,645	64,483	66,897	-2,414
Call off Technical	0	0	0	0
External Finance	7,361	28,361	30,000	-1,639
External Legal	0	50,000	50,000	0
External Technical	5,300	24,850	24,850	0
Management	16,933	117,076	117,075	1
HWRC Project	0	0	0	0
Insurance Advisors	0	0	0	0
Grand Total	40,411	308,315	312,707	-4,392

3.1.3 The Unitary Charge for the 2017/18 financial year totalled £22,666,124.68.

3.1.4 The Partnership received Waste Infrastructure Credits from DEFRA to the value of £5,962,016.00.

## **5.0 Communications**

### **5.1 Awards and Community Education and Liaison Officer (CELO)**

3.1.5 The Renewi Corporate Social Responsibility Fund was launched for 2017/18, the closing date for applications was 16th February 2018 and shortlisting took place on 9th March 2018.

3.1.6 The CELO continues to compile case studies for the current work being undertaken with landlords across Barnsley, Barnsley and Rotherham.

3.1.7 The CELO is to assist with the publication and implementation of the South Yorkshire Waste Strategy throughout 2018-19.

3.1.8 The CELO has commenced procurement for the spring 2018 compositional analysis.

3.1.9 The CELO has submitted an application to the 2018 National recycling Awards for the BDR Love Food Hate Waste campaign.

5.1.6 Script, a Barnsley firm have been commissioned to design up the South Yorkshire Municipal Waste Strategy.

## **6.0 Resources**

3.1.10 The BDR Partnership Team Compliance Officer left in October as he had secured a better post with another authority. The BDR Project Administrator has taken on some extra duties to assist the BDR Manager until the recruitment process is complete.

3.1.11 There is additional support as required from a legal locum, and internal and external technical and financial advisors for more complex matters.

## **7.0 Other**

### **7.1 South Yorkshire Municipal Waste Strategy (SYMWS)**

3.1.12 The SYMWS has now been adopted by the South Yorkshire Councils.

## **3.2 HWRC Procurement**

- 7.2.1 The ITT have been sent out and clarification questions are being answered. The project is progressing in line with the timetable.

## **4.0 Renewi Corporate Social Responsibility Fund**

- 8.1.1 The first successful project for the BDR/Barnsley area is Gateway Church. The group applied for £760 to run non-denominational healthy eating and food poverty reduction sessions. These sessions will highlight the principles of the Love Food Hate Waste campaign and support families to make better use of the food that they have while reducing the food waste thrown away.
- 8.1.2 The second successful project for the BDR/Barnsley area is Great Houghton Village Hall Committee. They applied for £3,000 and were awarded £2,540, which they will use to support their allotment project where they provide gardening sessions for community groups such as schoolchildren and adults with learning disabilities. The food produced on the allotment is then used to supply the cook and eat sessions run in the village. The whole project supports mindfulness, positive mental health and helps to teach life skills. The crops produced allow the cook and eat sessions, which support the key messages of Love Food Hate Waste to be undertaken within the community.
- 8.1.3 The successful project for the BDR/Doncaster area is Mexborough Arts Collective. The group applied for £900 to produce a free of charge arts magazine focussed on waste, recycling and the environment. The publication, which will be distributed through schools, libraries, community groups and given to the public, will include illustrations, artwork, photography, poetry and fiction on environmental topics.
- 8.1.4 The first successful project for the BDR/Rotherham area is Pops Outdoor Adventure Centre. The group applied for £1,000 to purchase cookery and gardening equipment to grow food with children for use in healthy eating sessions to improve life skills, reduce waste and reduce childhood obesity. The project aims to improve mental and physical health of children while they learn how to help reduce waste and recycle or compost the items used in the sessions. This project will also utilise community links to strengthen the messages contained within it and gain valuable expertise.
- 8.1.5 The second successful project for the BDR/Rotherham area is Social Eyes. The group applied for £800 to construct raised beds to be used to grow vegetables for use in meal preparation and life skills sessions. Horticulture is considered therapeutic, disguised exercise that is educational and teaches life skills such as responsibility. The produce grown will be used as part of the centres' healthy lifestyle projects.

## 9.0 Glossary of Terms

Term	Definition
<b>3SE</b>	The name for the partnership between Shanks Group plc and Scottish & Southern Energy plc.
<b>A2A (formerly Ecodeco)</b>	Italian company who research, design, construct, and manage plant and equipment for the disposal of waste.
<b>Anaerobic Digestion (AD)</b>	A series of biological processes in which micro-organisms break down biodegradable material in the absence of oxygen. One of the end products is biogas, which is combusted to generate electricity and heat.
<b>Compositional Analysis</b>	Waste Composition Analysis is a study that provides essential information about the weight and type of each component waste material that is in any given waste stream. It firstly involves obtaining representative samples of these waste streams, then manually hand sorting into various pre-defined sort categories using the correct methodology, which are then weighed in each individual fractions in align with Waste Data Flow (WDF) municipal reporting each waste stream has its own European Waste Code (EWC).
<b>Department for Environment, Food and Rural Affairs (DEFRA)</b>	The UK government department responsible for policy and regulations on environmental, food and rural issues.

<b>Environment Agency (EA)</b>	An executive non-departmental public Body responsible to the Secretary of State for Environment, Food and Rural Affairs for issues affecting the environment.
<b>FCC Environment</b>	One of the UK's leading waste and resource management companies.
<b>Ferrybridge Multifuel 1 (FM1)</b>	Multifuel Energy Ltd. (MEL) operates a new £300 million multifuel plant on land owned by SSE at Ferrybridge 'C' Power Station near Knottingley in West Yorkshire. This project is called Ferrybridge Multifuel 1 (FM1)
<b>Household Waste Recycling Centre (HWRC)</b>	A civic amenity site (CA site) or household waste recycling centre (HWRC) is a facility where the public can dispose of household waste and also often containing recycling points.
<b>Joint Waste Board (JWB)</b>	The Statutory Committee comprising Portfolio Holders and Senior Officers with responsibility for waste.
<b>Liaison Committee</b>	Review the Waste Management contract in operation, seek out future development opportunities and to review the operational year identifying any learning points and advise the Joint Waste Board of any corrective action requirements
<b>Mechanical Biological Treatment (MBT)</b>	A type of waste processing facility that combines a sorting facility with a form of biological treatment such as composting or anaerobic digestion. MBT plants are designed to process mixed household waste as well as commercial and industrial wastes.
<b>Private Finance Initiative (PFI)</b>	Mechanism for creating "public-private partnerships" (PPPs) by funding public infrastructure projects with private capital.
<b>Refuse Collection Vehicle (RCV)</b>	The collection of rubbish and waste, usually in a rubbish or refuse truck, before final disposal.

<b>Renewi UK Services</b>	The new trading name for Shanks Waste Management.
<b>Solid Recovered Fuel (SRF)</b>	A fuel produced by shredding and dehydrating solid waste (MSW) with a waste converter technology.
<b>SSE plc (formerly Scottish and Southern Energy plc)</b>	A British energy company headquartered in Perth, Scotland.
<b>Waste Infrastructure Credits</b>	Awarded by DEFRA to incentivise local authorities to develop infrastructure to treat waste as an alternate to landfill.
<b>Waste Transfer Station (WTS)</b>	Facilities where municipal solid waste is unloaded from collection vehicles and briefly held while it is reloaded onto larger long-distance transport vehicles for shipment to landfills or other treatment or disposal facilities.

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