

## BDR WASTE PFI BDR MANAGER UPDATE REPORT

### NOVEMBER 2018 – FEBRUARY 2019

## 1.0 Governance

### 1.1 Resources

1.1.1 The BDR Senior Contracts Officer commenced work on 15th December 2018.

## 2.0 Contract Delivery

### 2.1 Bolton Road

1.1.1 Table 1 contains the information about the number of tonnes processed to February 2019. The invoice forecast tonnage for March will be adjusted to reflect the anticipated outturn and minimise adjustments at the annual reconciliation.

**Table 1 – Year to date tonnes processed 1 April 2018 to 24 February 2019**

Inputs		FY17/18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	FY18/19
<b>Contract Waste (Limbs)</b>														
Barnsley	A (Household)	52,560.84	4,262.19	4,854.19	4,324.18	4,129.00	4,654.52	3,926.30	4,387.13	4,530.69	4,236.06	4,902.12	3,302.08	47,508.45
	B (Commercial)	5,321.92	421.94	477.82	437.74	454.82	406.18	423.26	482.32	438.86	407.18	450.68	292.32	4,693.12
	C (HWRC)	5,287.12	550.30	514.92	446.64	438.34	461.26	425.56	414.94	384.53	480.68	472.94	359.70	4,949.81
	D (Public Highways etc)	1,137.75	97.80	95.56	88.86	93.74	99.22	85.48	86.84	95.06	80.84	100.02	73.35	996.77
	E (Grounds Maintenance)	-	-	-	-	-	-	-	-	-	-	-	-	-
Doncaster	A (Household)	67,475.77	5,595.74	6,023.39	5,775.83	5,312.21	5,994.43	5,341.56	5,552.50	5,965.82	5,674.28	6,360.50	4,583.82	62,180.08
	B (Commercial)	9,127.50	676.36	662.70	555.30	414.88	461.24	468.40	541.52	491.36	309.96	224.52	248.28	5,054.52
	C (HWRC)	8,293.80	778.32	718.84	643.14	605.44	648.54	603.02	563.14	524.50	615.98	636.26	459.90	6,797.08
	D (Public Highways etc)	-	-	-	-	-	-	-	-	-	-	-	-	-
	E (Grounds Maintenance)	-	-	-	-	-	-	-	-	-	-	-	-	-
Rotherham	A (Household)	57,499.13	4,900.23	5,186.51	4,684.07	4,752.16	4,919.28	4,349.24	4,991.02	4,745.50	4,514.41	5,357.50	3,189.42	51,589.34
	B (Commercial)	3,524.26	294.14	324.28	293.74	305.40	265.86	281.74	318.32	295.96	269.18	301.48	212.08	3,162.18
	C (HWRC)	8,209.26	725.74	610.28	532.10	522.70	565.84	501.30	469.96	440.14	507.16	513.30	421.20	5,809.72
	D (Public Highways etc)	-	-	-	-	-	-	-	-	-	-	-	-	-
	E (Grounds Maintenance)	-	-	-	-	-	-	-	-	-	-	-	-	-

1.1.2 The above table breaks down the input tonnages by authority and waste streams.

**Table 2 - Third Party Waste Year to date 1 April 2018 to 24 February 2019**

3rd Party	FY17/18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	FY18/19
Renewi Derby	14,034.24	985.26	532.38	619.80	852.46	1,287.54	1,057.98	2,228.82	2,106.80	1,426.98	613.26	1,499.90	13,211.18

1.1.3 Table 2 shows the third party waste tonnage, this is municipal waste from the sub-contractors other contract.

**Table 3 – Performance Year to Date from 1 April 2018 to 24 February 2019**

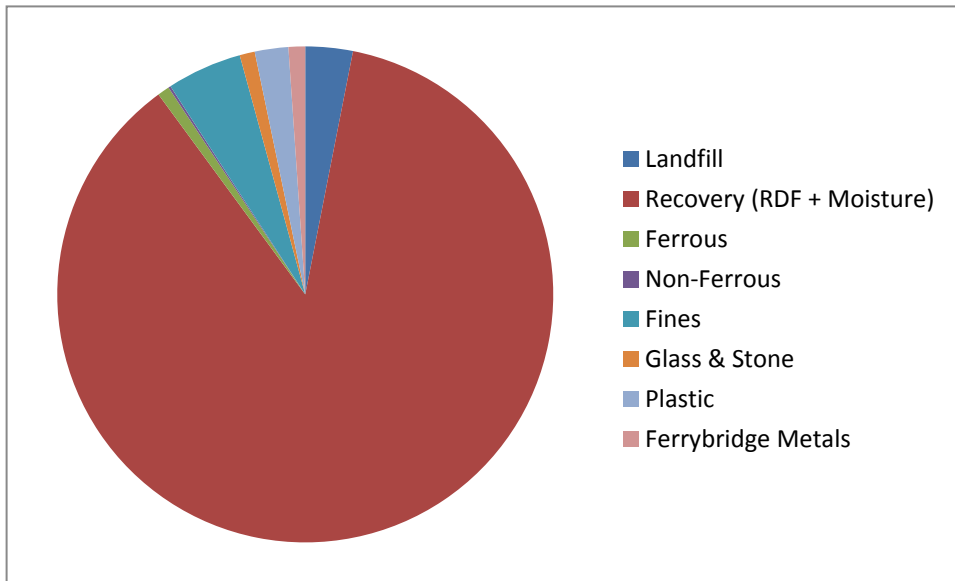
Performance	FY17/18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	FY18/19
Recycling (%)	15.14%	8.95%	13.25%	12.94%	13.43%	11.40%	11.64%	13.18%	12.27%	9.90%	7.74%	10.85%	11.41%
Diversion (%)	95.58%	89.30%	101.62%	99.91%	107.60%	92.19%	96.16%	98.20%	98.01%	90.73%	102.09%	103.73%	98.03%
Moisture Loss (%)		29.24%	30.39%	30.80%	30.19%	28.99%	30.38%	30.60%	28.40%	27.02%	27.77%	25.81%	29.11%

1.1.4 Contract recycling was 10.85% in February with the year to date recycling figure running at 11.41%. There have been problems with the glass clean up screen blocking which has impacted on the recycling rate. The equipment supplier is currently investigating the issue.

**Table 4 - Contract Outputs**

Council Outputs														
Landfill	9,972.78	447.17	410.06	1,129.34	458.32	325.18	485.18	376.21	410.33	574.58	1,080.58	646.75	6,343.70	
Recovery (RDF + Moisture)	183,767.03	15,215.31	17,903.62	16,088.42	16,664.72	15,429.93	14,292.81	15,685.99	15,877.53	14,289.91	18,688.19	12,586.80	172,723.23	
Ferrous	2,297.39	138.30	186.49	183.47	175.06	114.76	137.34	110.58	139.98	116.08	139.18	110.50	1,551.73	
Non-Ferrous	378.76	34.39	40.66	37.10	31.08	40.99	22.03	18.64	15.73	16.11	25.59	13.04	295.37	
Fines	11,040.17	661.47	1,183.78	1,117.67	1,070.79	562.88	338.45	811.64	756.43	630.50	460.92	381.44	7,975.96	
Glass & Stone	4,552.47	-	-	48.06	26.01	143.19	220.85	322.80	316.46	333.02	408.39	281.85	2,100.62	
Plastic	6,902.20	295.13	469.95	291.19	355.64	741.60	764.16	537.72	449.63	126.16	-	259.06	4,290.24	
Direct Delivered	106.17	-	-	-	-	-	-	-	-	-	-	-	-	
Recycling Sub-Total	25,277.17	1,129.28	1,880.87	1,677.48	1,658.58	1,603.42	1,482.83	1,801.38	1,678.22	1,221.87	1,034.08	1,045.90	16,213.92	
Ferrybridge Metals	2,133.73	192.91	219.80	193.50	205.03	194.55	175.08	191.51	201.45	185.82	241.23	166.51	2,167.40	
AWM-Recycling	284.08	-	-	-	-	-	-	-	-	-	-	-	-	
Fines CLO Uplift	2,067.33	123.86	221.67	209.29	200.51	105.40	63.38	151.98	141.64	118.07	86.31	71.43	1,493.54	
Recycling Total	29,762.31	1,446.05	2,322.34	2,080.27	2,064.12	1,903.38	1,721.29	2,144.87	2,021.32	1,525.76	1,361.62	1,283.84	19,874.85	
Outbound Total	219,016.98	16,791.76	20,194.55	18,895.24	18,781.62	17,358.53	16,260.83	17,863.59	17,966.09	16,086.37	20,802.84	14,279.45	195,280.85	

**Figure 1 – Contract Outputs**



1.1.5 N.B. The above figures are unaudited and subject to change. Landfill diversion is calculated by total waste diverted from landfill divided by the total waste delivered.

1.1.6 It should be noted that the average monthly figure for material to landfill from April 2018 to January 2019 is 3.09% or 96.41% diversion from landfill.

## 1.2 Complaints

### Flies

2.2.1 Table 5 below illustrates the number of fly complaints by month, complaints dropped off from October 2018 onwards this is due to the seasonality of the fly cycle.

**Table 5 - Fly complaints by month**

April	May	June	July	August	September	October	November	December	January	February
3	5	49	10	8	1	0	0	0	0	0

2.2.2 In order to improve fly control particularly over the summer period Renewi have extended the pesticide treatment window to manage the growth of the fly population prior to the arrival of warmer weather. In addition, more robust control of raw waste stock levels in the reception and shredder pits has been implemented.

## Odour

2.2.3 There has been an increase in odour complaints since September 2018 as detailed in table 6 below. Initially it was thought that this could be connected to a change in the bio-filter medium and investigations are continuing into the performance of the new media. However many of the complaints are not consistent with bio-filter odours either by description or intensity. There are several other potential sources of odours as described by the complainants in the surrounding area and the BDR Contract Management Team, Renewi and the Environment Agency are working closely to determine if the bio filters are the source of the odour. Testing on bio filter emissions is due to commence shortly. It should be noted that 26% of the complaints have arisen from the same source.

A revised Odour Management Plan has been submitted by Renewi to the EA and the EA Central team are reviewing this with a meeting proposed at the site between Renewi and the EA on 1<sup>st</sup> May.

There has been some leafleting and door knocking activity that may be impacting on the perception of the BDR facility by the local community and inflating the number of complaints. Whilst it is noted there has been a change in odour from the site, this is not regarded as malodourous by the EA.

**Table 6 - Odour complaints by month**

April	May	June	July	August	September	October	November	December	January	February
1	0	2	0	1	0	2	7	15	8	39

## 2.3 Fire Protection Improvements

2.3.1 The Fire Improvement Works project is currently in the design phase and is behind schedule.

## 2.4 Fines Clean Up

2.4.1 The CLO clean-up project work was completed in September 2018. Some minor blockages of the zig zag screen were witnessed in October. Cleaning frequencies have been amended to alleviate fines material building up in the screen. Laboratory tests to ascertain glass content in the

finer continued throughout the month with an average of glass content >2mm running below 0.4% against a target of 2%.

## 2.5 Grange Lane

2.5.1 Work has commenced on the replacement of the roof at Grange Lane transfer station. It is anticipated that the work will be completed by March 31<sup>st</sup> 2019.

## 2.6 Health and Safety

2.6.1 There were 11 Be Aware Safety (BOS) audits conducted during November 2018 and January 2019. These are site based audits concentrating on operator behaviour in the work place. As part of the surveys, close call identification and behavioural audits are undertaken in selected areas of the site, these were completed in AD, Compactor area and Waste Reception.

**Table 7 – Compliance from April 2018 to January 2019**

2018/19	Close Call	Accident less than 3 days	Accident more than 3 days	Non RIDDOR dangerous occurrence	RIDDOR dangerous occurrence	RIDDOR more than 7 day injury	Major RIDDOR	Environmental
April	27	0	0	0	0	0	0	1
May	39	0	0	1	0	0	0	0
June	45	4	0	1	0	0	0	0
July	111	2	0	1	0	0	0	0
Aug	93	2	0	5	0	0	0	1
Sep	93	0	0	2	0	0	0	0
Oct	67	1	0	1	0	1	0	0
Nov	69	2	0	2	0	0	0	0
Dec	59	0	0	0	0	0	0	2
Jan	57	1	0	0	0	0	0	1
<b>YTD Total</b>	<b>660</b>	<b>12</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>5</b>

Please note: close calls are not incidents; they are where staff have made an observation of something that has the potential to cause an accident. Reporting close calls allows action to be taken before an accident occurs and is a positive indicator of the efforts being made to improve health and safety.

### 3.0 Legal

3.1.1 The Significant Collection Change negotiations to accommodate the RMBC service changes are complete and the Deed of Variation is in draft form.

### 4.0 Financial

**Table 8 - Operational Management Budget 2018/19**

	Data			
Contract Manager detail ▼	Sum of Spend to date	Sum of Total Forecast 2018/19	Sum of Budget 2018-19	Sum of Variance 2018/19
Administration	22,187	22,798	22,765	33
Call off Finance	0	0	1,120	-1,120
Call off Legal	52,414	57,236	66,897	-9,661
Call off Technical	0	0	0	0
External Finance	9,830	13,830	30,000	-16,170
External Legal	1,082	1,082	50,000	-48,918
External Technical	17,195	19,195	24,850	-5,655
Management	98,488	109,740	117,075	-7,335
HWRC Project	0	0	0	0
Insurance Advisors	0	0	0	0
Grand Total	201,195	223,880	312,707	-88,827

3.1.2 The budget includes costs for the HWRC procurement exercise, the modelling of potential Council collection changes and a review of the Fire Improvement Works at site, due diligence on the Fire Improvement Works, negotiation of changes and on-going work on Operational savings.

3.1.3 The budget underspend is due in part to the delay in the recruitment of the Senior Contracts Officer.

### 5.0 Communications

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

5.1.1 Appendix 1 contains the minutes from the last Community Liaison Group (CLG) Meeting on 16 July 2018.

5.1.2 Renewis Corporate Social Responsibility fund is now open for applications with a deadline of 28<sup>th</sup> February 2019.

A major campaign is being launched to encourage more people in South Yorkshire to help the environment by composting their kitchen and garden waste. The Barnsley, Doncaster and Rotherham (BDR) Waste Partnership are organising competitions with prizes to get homes, schools and community groups started. There will be a poster competition for schools and a social media competition for residents.

Special events will be held across the region, and the campaign will offer lots of helpful tips and advice on the inexpensive and natural process that transforms the waste into a valuable and nutrient rich food for your garden.

## **6.0 Resources**

3.1.4 The BDR Partnership Team Compliance Officer left in October 2017 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 and the recruitment process is complete.

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

## **7.0 HWRC Procurement**

7.1.1 The HWRC procurement has been completed and mobilisation is underway.

7.1.2 A Project Initiation Document has been produced and work is commencing on investigating opportunities for a commercial service at HWRCs across BDR.

## 8.0 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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