

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

**APRIL 2019 – JULY 2019**

**1.0 Governance**

**1.1 Resources**

- 1.1.1 The BDR team is now fully resourced and work has commenced on the Team plan taking into account the Waste and Resource Strategy for England and the key projects that are underway on the BDR Waste Treatment Facility.
- 1.1.2 The BDR CELO is currently on secondment to Rotherham council to work with the engagement team to help with the new recycling services and bin changes.

**2.0 Contract Delivery**

**2.1 Bolton Road**

- 1.1.1 Table 1 contains the information about the number of tonnes processed from April to July 2019. The overall tonnage forecast in table 1, will be reviewed quarterly to better reflect the anticipated outturn.
- 2.1.2 In the July 2019 invoice the forecast tonnage for all three Councils has been reduced in line with the actuals. As the Rotherham service change has resulted in a decrease in the residual waste, the apportionment has been recalculated to reflect this change.

**Table 1 – Year to date tonnes processed from 1 April 2019 to 31 July 2019**

Inputs		2018/19	April	May	June	July	YTD 2019/20
	<b>Contract Waste (Limbs)</b>						
Barnsley	A (Household)	52717.51	4241.24	4844.06	3993.08	4518.12	17596.50
	B (Commercial)	5203.84	423.66	466.86	421.60	480.80	1792.92
	C (HWRC)	5469.45	499.04	465.62	428.62	438.56	1831.84
	D (Public Highways etc)	1091.27	99.98	86.74	94.48	100.08	381.28
	E (Grounds Maintenance)	0.00	0.00	0.00	0.00	0.00	0.00
Doncaster	A (Household)	69143.14	5600.28	6667.82	5725.36	5940.94	23934.40
	B (Commercial)	5360.16	157.54	165.76	158.80	177.56	659.66
	C (HWRC)	7562.06	667.40	644.64	536.46	594.22	2442.72
	D (Public Highways etc)	0.00	0.00	0.00	0.00	0.00	0.00
	E (Grounds Maintenance)	0.00	0.00	0.00	0.00	0.00	0.00
Rotherham	A (Household)	56246.07	3969.14	4175.74	3678.52	4291.64	16115.04
	B (Commercial)	3496.32	273.54	294.24	271.28	322.48	1161.54
	C (HWRC)	6393.60	559.04	548.68	478.22	524.82	2110.76
	D (Public Highways etc)	0.00	0.00	0.00	0.00	0.00	0.00
	E (Grounds Maintenance)	0.00	0.00	0.00	0.00	0.00	0.00
	<i>Limbs A&amp;B Sub-Total</i>	192167.04	14665.40	16614.48	14248.04	15731.54	61259.46
BDR	A (Household)	178106.72	13810.66	15687.62	13396.96	14750.70	57645.94
	B (Commercial)	14060.32	854.74	926.86	851.68	980.84	3614.12
	C (HWRC)	19425.11	1725.48	1658.94	1443.30	1557.60	6385.32
	D (Public Highways etc)	1091.27	99.98	86.74	94.48	100.08	381.28
	E (Grounds Maintenance)	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	212,683	16,491	18,360	15,786	17,389	68026.66

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 2019 to 31 July 2019**

Inputs - 3rd Party		2018/19	April	May	June	July	YTD 2019/20
	Renewi Derby	15407.70	2347.82	2467.00	3239.38	2131.76	10185.96

1.1.3 Table 2 above 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 2019 to 31 July 2019**

Performance	2018/19	April	May	June	July	YTD 2019/20
Recycling (%)	11.41%	12.85%	13.23%	13.59%	10.47%	12.51%
Diversion (%)	97.09%	102.02%	90.26%	91.94%	98.78%	95.71%
Moisture Loss (%)		27.29%	27.50%	27.63%	32.56%	

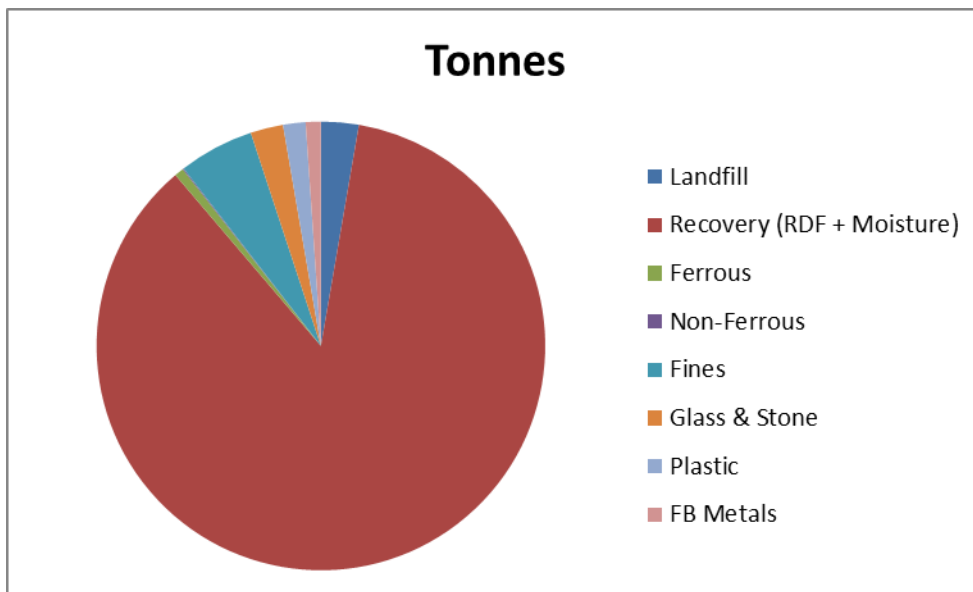
1.1.4 Contract recycling was 10.47% in July with the year to date recycling figure running at 12.51%. At the request of the Environment Agency,

organic contamination of the glass and stone fraction was reduced. This adversely impacted the total volume of glass and stone generated.

**Table 4 - Contract Outputs**

<b>Council Outputs</b>	<b>2018/19</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>YTD 2019/20</b>
<b>Landfill</b>	7303.41	526.19	420.07	509.58	399.98	1855.82
<b>Recovery (RDF + Moisture)</b>	188598.96	15273.84	14711.55	12888.68	15872.46	58746.53
<b>Ferrous</b>	1673.95	123.78	127.95	113.18	87.28	452.19
<b>Non-Ferrous</b>	309.64	21.42	6.32	14.59	14.53	56.86
<b>Fines</b>	8848.05	728.23	794.75	781.38	810.97	3115.33
<b>Glass &amp; Stone</b>	2451.67	292.57	489.02	514.05	315.47	1611.11
<b>Plastic</b>	4613.20	384.45	442.41	202.26	77.00	1106.12
<b>Direct Delivered</b>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Recycling Sub-Total</i>	17896.51	1550.46	1860.44	1625.45	1305.24	6341.59
<b>Ferrybridge Metals</b>	2364.62	197.69	188.22	164.25	190.45	740.61
<b>AWM-Recycling</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Fines CLO Uplift</b>	1656.85	136.37	148.82	146.32	151.86	583.37
<i>Recycling Total</i>	21917.98	1884.52	2197.48	1936.02	1647.55	7665.57
<b>Outbound Total</b>	213798.88	17350.49	16992.06	15023.71	17577.68	66943.94

**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 2019 to July 2019 is 4.29% or 95.71% diversion from landfill.

## 1.2 Complaints

### Flies

2.2.1 Table 5 below illustrates the number of fly complaints by month.

2.2.2 During this “fly season” both the Contract Management Team and the Environment Agency have been working with the Contractor to improve the fly management programme at site.

At this time of year a large amounts of maggots and flies are delivered in to the plant via RCV's from residents bins. A regular regime of insecticide treatment within the plant kills the majority of flies, maggots, larvae and eggs.

2.2.3 The contractor has put a large amount of time, resources and investment into fly management and continue to look for improvements. Working with the Environmental Agency guidance, huge strides have been undertaken to improve fly management, including but not exclusively:

- The removal of any waste sorted or pre-sorted in the tipping hall.
- Increased frequency of insecticide treatments within the plant
- Installation of bait bags around the site
- Clearing of the tipping pit down to ground level
- Cleaning up of glass and stone outputs to ensure it is less attractive to flies
- Embedding their fly management plan into all working practices
- Tighter trailer management, including spraying of wheels and stops
- Sample capture and analysis of flies on site, in residences and local businesses and around the local area
- Liaison with local businesses (Next) both on the analysis of fly numbers and types, supply of information of what action the plant takes to minimise fly numbers, advice on how to improve their own fly management activities through good housekeeping and pro-active fly eradication through installation of bait boards.

2.2.4 15 Monitoring stations are situated inside and outside of the facility to record fly numbers and species. From weekly analysis of the monitoring stations situated inside and outside the plant the indication is that there is a minimal percentage of flies actually escaping from the plant. There is also a normal background population of a number of species of flies that if the plant was not there would still be within the local environment. This is evidenced as there are none of that species on the internal traps.

2.2.5 Also analysis of the fly counts and number of complaint closely tracks with the weather. The warmer the temperature the higher the readings of all species of flies in the local area, inside and outside of site and the number of complaints increases. Again this leads to the conclusion that as all species of fly breed in warmer conditions, in fields, river banks, waste ground, old industrial sites, in residents bins and on site complaints will also rise and unfortunately be attributed directly to site.

2.2.6 Excluding 15 complains made in one three hour time frame that we believe came from a local action group, Renewi have received 39 complaints about flies this year to date. By this time last year, there were 72 complaints. A number of these are too far afield to be substantiated as coming from site and a number (and often repeated) are also from residents who were against the site being built in the first place.

2.2.7 One complaint from a local resident recently wrote to all three councils, their CEO, Portfolio Holder and/or Leader requesting to know what fly management was being undertaken at site as his home was infested with flies from the plant. Through discussion with the complainant he feels the plant should not have been located in the Dearne valley and weekly bin collections is the only action to prevent flies. He has also intimated that if “action” is not taken he will instigate an Action Group to achieve these aims (see note of 15 complaints in one evening above) and will seek election to local government on a campaign to close the site.

The complainant has attributed all the flies at his properties as coming from the treatment facility. We have obtained a sample of over 150 files from him and after examination by an entomologist as to the genesis of these flies, 100% of the flies captured were not common houseflies (the type of fly associated with the plant). Over 90% were in fact field flies, and as harvesting was taking place in the field adjacent to his property at the time would more than likely be attributed to this.

2.2.8 The same picture is appearing from other sampling taken in Bolton, at both monitoring stations placed by Renewi, and from samples from other residents, he overwhelming majority of flies captured are not common house flies, and therefore cannot be attributed to the plant.

2.2.9 The contract team continue to monitor the situation and are working with the contractor and the EA to minimise flies on site, but both the EA and the Contract team are satisfied that the proactive positive fly management on site is effective.

**Table 5 - Fly complaints by month**

	<b>April 2019</b>	<b>May 2019</b>	<b>June 2019</b>	<b>July 2019</b>	<b>YTD</b>
No. Fly Complaints	0	0	9	32	41

## Odour

2.2.10 Table 6 below illustrates the number of odour complaints by month. The EA have undertaken monitoring exercises around the facility and only detected an odour that could potentially be malodourous on 1 occasion out of 30 visits.

2.2.11 The EA inspected the site on 24th June following a meeting to discuss the interim fire management plan during the fire improvement works. As part of the inspection the subject of odour and flies was discussed. The EA have conducted odour surveys in the surrounding area over recent weeks and are collating the information which will be shared. Informally the EA have expressed the view that odours from site are low level and intermittent and would not be regarded by them as polluting. The EA Officer also expressed the view that the bio-filter would seem to have bedded in. We await the formal report from their findings.

2.2.12 Complaints have been received from local MPs and one resident complained to the Mayor, the Leaders of Barnsley and Rotherham Council and the Chair of Joint Waste Board. A response was provided that outlined the actions that are being taken.

**Table 6 - Odour complaints by month**

	April 2019	May 2019	June 2019	July 2019	YTD
No. Odour Complaints	24	17	6	6	53

## 2.3 Fire Protection Improvements

2.3.1 The Fire Improvement Works project proposals have been approved by all parties. The costs for this work are in the order of £2M. Mobilisation is complete and the contractors are onsite and works have commenced. The insurers technical advisors are engaged in the process.

2.3.2 The approval process was delayed (internal issues between SPV and funders) this has impacted on the timetable for delivery as shown below:

**Table 7 - High Level Timetable**

<b>Activity</b>	<b>Programmed Date</b>	<b>Actual</b>
Award of Contract	13 <sup>th</sup> May 2019	21 <sup>th</sup> June 2019
Procurement of long lead items	20 <sup>th</sup> May 2019	02 <sup>nd</sup> July 2019
Mobilisation	10 <sup>th</sup> June 2019	29 <sup>th</sup> July 2019
Start of Commissioning	23 <sup>rd</sup> September 2019	11 <sup>th</sup> November 2019
Project completed	11 <sup>th</sup> October 2019	02 <sup>nd</sup> December 2019

## **2.4 Fines Clean Up**

2.4.1 The fines clean-up project is now complete and performing as expected.

## **2.5 Grange Lane**

2.5.1 Work has been completed on the replacement of the roof at Grange Lane transfer station and Barnsley RCVs and Street Scene vehicles are now tipping at BTS where this is optimal for the service.

2.5.2 There are also areas of the floor that need replaced and work is underway to procure a contractor to ensure this work is completed in this financial year.

2.5.3 BMBC have proposed to build an enclosure around the electrical distribution board, this has been approved and a date to commence work is to be proposed.

2.5.4 The Contractor site improvement work project which takes the facility above good tenantable standard is now in the final stages of preparation, with prices obtained for all the proposed improvements.

## **2.6 Health and Safety**

2.6.1 There were 12 Be Aware Safety (BOS) audits conducted during April 2019 and July 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. Renewi's Safety Week was held at all UK sites in the first week of June 2019.

**Table 8 – Compliance from April 2019 to July 2019**

2019/20	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	36	5	0	3	0	0	0	1
May	158	2	0	1	0	0	0	0
June	161	0	0	7	0	0	0	0
July	151	4	0	3	0	0	0	2
<b>YTD Total</b>	<b>506</b>	<b>11</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</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 has now been signed by all Councils

### 4.0 Financial

**Table 9 – Operational Management Budget Outturn 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	32,298	32,298	22,765	9,533
Call off Finance	0	0	1,120	-1,120
Call off Legal	58,472	58,472	66,897	-8,425
Call off Technical	0	0	0	0
External Finance	11,217	11,217	30,000	-18,783
External Legal	723	723	50,000	-49,278
External Technical	15,195	15,195	24,850	-9,655
Management	109,508	109,508	117,075	-7,567
HWRC Project	0	0	0	0
Insurance Advisors	0	0	0	0
<b>Grand Total</b>	<b>227,413</b>	<b>227,413</b>	<b>312,707</b>	<b>-85,294</b>

3.1.1 The budget included costs for the HWRC procurement exercise, the modelling of RMBC collection changes, technical due diligence on the Fire Improvement Works, negotiation of changes and on-going work on Operational savings.



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

**Table 10 - Operational Management Budget 2019/20**

Contract Manager detail	Data			
	Sum of Spend to date	Sum of Total Forecast 2019/20	Sum of Budget 2019-20	Sum of Variance 2019/20
Administration	3,982	26,912	28,294	-1,382
Call off Finance	0	1,120	1,120	0
Call off Legal	19,721	57,888	58,103	-215
Call off Technical	0	0	0	0
External Finance	10,944	28,944	30,000	-1,056
External Legal	1,632	8,632	10,000	-1,368
External Technical	6,268	20,268	25,000	-4,732
Management	56,044	136,149	136,150	0
HWRC Project	0	0	0	0
Insurance Advisors	2,000	6,000	10,000	-4,000
Grand Total	100,590	285,913	298,667	-12,754

4.1.4 The BDR Manager would like to propose that the Budget remains the same for 2019/20 £370,984.00, due to the need for further due diligence on the Fire Improvement Works and negotiation of changes likely to arise from the implementation of the Waste and Resource Strategy for England.

## 5.0 Communications

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

4.1.1 Appendix 1 contains the minutes from the last Community Liaison Group (CLG) Meeting on 10 June 2019.

4.1.2 A composting campaign ran from 29/4/19- 31/5/19 (the school competition ended at the beginning of June to account for half term holiday at end of May). There were 11 posts in total- on Facebook they reached 10542 people and received 409 comments, majority of which came from the compost bin give away post. On Twitter- same number of posts 6856 people impressions (number of people who saw it) and 121 engagements (likes, comments and retweets). There was a press release at the start of the campaign; a further release announcing the winners along with photographs of some of the winners is currently being drafted. There were 258 entries from schools 2 each from local authority area.

There were two winners from Ladywood as there were entries from KS1 and KS2 but they won 1 set of prizes.

The Assistant CELO has delivered the prizes to the schools 4/6 and presented them in celebration assemblies, for the other 2 teachers presented as she was unavailable on the given dates.

Name	School	Local Authority
Ryan Colley	Hoyland Common	Barnsley
Jack Turner	Ladywood Primary	Barnsley

Eva Burgess	Ladywood Primary	Barnsley
Kira Leigh Cook	Shaw Wood Academy	Doncaster
Caleb Morris	Stone Hill School	Doncaster
Grace Boocock	Blackburn Primary	Rotherham
Alexa Fletcher	Laughton All saints CofE	Rotherham

- 4.1.3 A press release about the compost poster and Facebook competition has been distributed to local press and councils and appears on the BDR website. A press release about bin hygiene has also been created for all councils in correspondence to a rise in fly complaints.
- 4.1.4 The first phase of the compositional analysis for 2019-20 has been completed. Awaiting results, which will be analysed and should be disseminated to the Councils in due course?
- 4.1.5 Information on this year's Recycle Week campaign has been released by Wrap. Assets and press release to be made available soon. Recycle week to take place 23rd-29th of September.

## **6.0 Resources**

- 4.1.6 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**

### **7.1.1 Sheffield ERF**

Veolia are undertaking programmed maintenance during July and the BDR plant will receive an additional 88 loads from 22/7/19 to 9/8/19 equating to 2250 tonnes. This tonnage is already accounted for under the guaranteed third party waste requirement and will not attract the higher royalty payment.

## 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>Facebook</b>	Facebook, Inc. is an American online social media and social networking service company.

<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>Key Stage 1 (KS1) &amp; Key Stage 2 (KS2)</b>	Is a part of the National Curriculum and tells schools what subjects to teach and it tells teachers which topics to cover and at what level.
<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>Recycle Week</b>	Recycle Week is a celebration of recycling, organised by WRAP under

	the Recycle Now brand. The aim of the week is to encourage the public to recycle more, by demonstrating the benefits of recycling items from all around the home
<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>Sheffield ERF</b>	The Energy Recovery Facility (ERF) in Sheffield, generates electricity for the National Grid and heat for the city's award winning District Energy Network from the rubbish put in the black wheeled bin.
<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>Veolia</b>	Veolia Environment S.A., branded as Veolia, is a French transnational company with activities in three main service and utility areas traditionally managed by public authorities – water management, waste management and energy services
<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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