



BDR WASTE PFI
BDR MANAGER UPDATE REPORT

APRIL 2020 – AUG 2020

1.0 Governance

1.1 Resources

- 1.1.1 The BDR Team continues to work from home since Covid-19 lockdown was introduced. It is likely that they will continue to do so until January 2021 to continue to comply with virus control measures for staff working arrangements. The teams work has been managed and completed through the councils' IT systems and via Microsoft Teams. As well as our own workload we are supporting and helping to co-ordinate the BDR councils' response to the Corvid-19 crisis and maintain business as usual as much as possible. This includes ensuring the Bolton Road waste treatment facility and Barnsley Transfer Station continue to accept waste, supporting a joint BDR response to managing HWRCs, co-ordinating through Assistant Directors and Senior management across BDR and supplying the latest guidance, information and legislation amendments to Waste Managers.

2.0 Contract Delivery

2.1 Bolton Road

Table 1 – Year to date tonnes processed from 1 April 2020 to 31 August 2020

Inputs	FY19/20	Apr-20	May-20	Jun-20	Jul-20	Aug-20
Contract Waste (Limbs)						
A (Household)	53,046.88	5,348.90	5,120.42	5,022.82	5,476.78	4,339.90
B (Commercial)	5,304.32	253.28	294.10	382.74	476.48	400.08
C (HWRC)	5,402.57	-	183.64	331.30	397.94	350.26
D (Public Highways etc)	1,227.36	66.96	69.52	98.74	103.65	94.64
E (Grounds Maintenance)	-	-	-	-	-	-
Doncaster						
A (Household)	72,043.24	6,971.18	6,680.32	6,367.16	7,369.98	5,972.52
B (Commercial)	2,264.16	144.56	234.96	425.88	366.16	222.84
C (HWRC)	7,057.99	-	246.84	463.52	582.06	526.34
D (Public Highways etc)	-	-	-	-	-	-
E (Grounds Maintenance)	-	-	-	-	-	-
Rotherham						
A (Household)	48,909.02	4,854.40	4,686.70	4,847.86	4,950.82	4,367.10
B (Commercial)	3,379.36	178.72	190.16	251.52	275.12	230.96
C (HWRC)	6,207.54	-	225.98	336.74	376.58	344.88
D (Public Highways etc)	-	-	-	-	-	-
E (Grounds Maintenance)	-	-	-	-	-	-
Limbs A&B Sub-Total	184,946.98	17,751.04	17,206.66	17,297.98	18,915.34	15,533.40
Limbs C,D,E Sub-Total	19,895.46	66.96	725.98	1,230.30	1,460.23	1,316.12
Direct Delivered						
Landfill	-	-	-	-	-	-
Recovery	-	-	-	-	-	-
Recycling	-	-	-	-	-	-
Sub-Total	-	-	-	-	-	-
Total Contract	204,842.44	17,818.00	17,932.64	18,528.28	20,375.57	16,849.52
Non-Contract						
Barnsley	17,640.75	234.47	381.16	4,099.90	2,918.28	1,451.92
Doncaster	-	-	-	-	-	-
Rotherham	-	-	-	-	-	-
Sub-Total	17,640.75	234.47	381.16	4,099.90	2,918.28	1,451.92
3rd Party						
Renewi Derby	26,673.85	688.32	580.78	811.10	1,559.86	2,585.24
Outputs						
Council Outputs						
Landfill	6,094.91	29.08	407.69	379.18	266.82	338.18
Recovery (RDF + Moisture)	180,524.55	15,805.69	13,684.08	16,720.73	17,346.89	14,702.52
Ferrous	1,384.81	121.49	112.62	175.70	129.93	121.85
Non-Ferrous	200.67	14.96	28.72	23.70	24.80	24.32
Fines	10,051.19	1,327.10	1,250.10	1,298.44	1,075.80	986.22
Glass & Stone	3,721.37	452.35	445.15	529.41	502.40	359.37
Plastic	2,789.54	398.08	203.76	273.16	262.13	415.21
Direct Delivered	-	-	-	-	-	-
Recycling Sub-Total	181,475.58	2,313.97	2,040.35	2,300.41	1,995.07	1,906.96
Ferrybridge Metals	2,307.82	193.52	162.02	206.07	213.45	172.71
AWM-Recycling	-	-	-	-	-	-
Fines CLO Uplift	1,882.14	248.51	234.09	243.14	201.45	184.67
Recycling Total	22,337.54	2,756.00	2,436.46	2,749.61	2,409.97	2,264.35
Outbound Total	204,767.04	18,148.74	16,132.13	19,400.32	19,608.79	16,947.66
Performance						
Recycling (%)	12.08%	15.53%	14.16%	15.90%	12.74%	14.58%
Diversion (%)	96.99%	101.69%	87.69%	102.66%	94.93%	98.58%
Moisture Loss (%)	-	29.66%	31.53%	29.56%	30.17%	32.52%

1.1.1 Table 1 contains information on tonnes of waste processed from April to August 2020. The overall tonnage received is reviewed quarterly to re-calculate the anticipated full year outturn to ensure accurate forecasting, invoicing and budgeting.

Table 2 - Third Party Waste Year to date 1 April 2019 to 31 August 2020

Inputs 3rd Party	2019/20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	YTD Total
Renewi Derby	26673.85	688.32	580.78	811.10	1559.86	2585.24	6225.30

1.1.2 Third-party waste is municipal waste from other Renewi local authority contracts. The amount being accepted has been reduced to ensure enough capacity to process BDR waste under Covid working restrictions and to allow for improved reception pit cleaning as part of Renewi's fly management measures.

Figure 1 – Contract Outputs

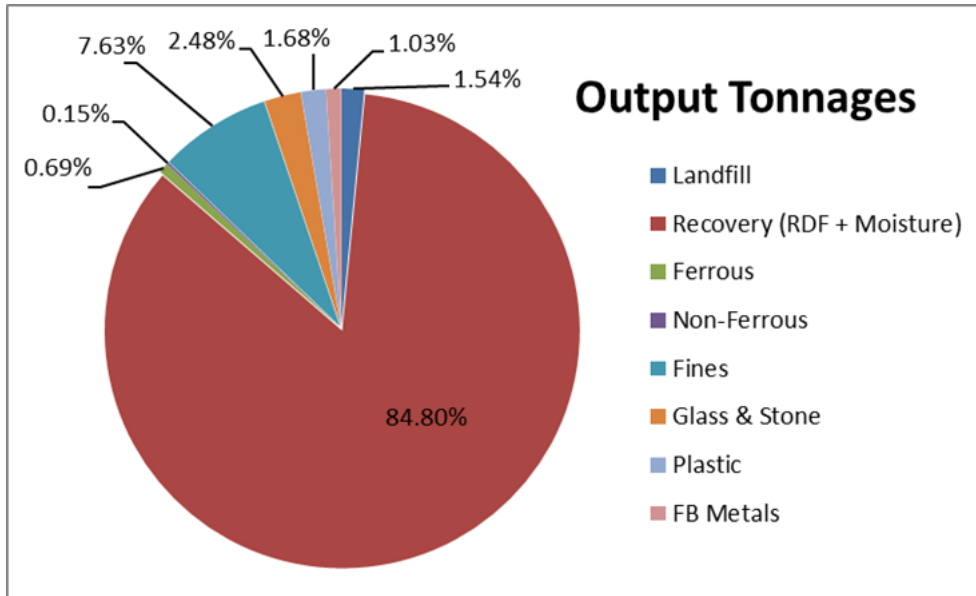


Table 3 - Contract Outputs

Contract Outputs	2019/20	April	May	June	July	Aug	YTD 2020/21
Landfill	6094.91	29.08	407.69	376.86	266.82	338.18	1418.63
Recovery (RDF + Moisture)	180524.55	15805.69	13684.08	16720.73	17345.36	14702.52	78258.38
Ferrous	1384.81	97.30	112.62	175.70	129.92	121.85	637.39
Non-Ferrous	200.67	39.15	28.72	23.70	24.80	24.32	140.69
Fines	10051.19	1327.10	1239.83	1298.44	1075.71	986.22	5927.30
Glass & Stone	3721.37	452.35	445.15	529.41	502.36	359.37	2288.64
Plastic	2789.54	398.08	203.76	273.16	262.11	415.21	1552.32
Direct Delivered	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recycling Sub-Total	18147.58	2313.97	2030.08	2300.41	1994.90	1906.96	10546.32
Ferrybridge Metals	2307.82	193.52	162.02	206.07	213.43	172.71	947.75
AWM-Recycling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fines CLO Uplift	1882.14	248.51	232.17	243.14	201.45	184.67	1109.94
Recycling Total	22337.54	2756.00	2424.27	2749.61	2409.76	2264.35	12603.99
Outbound Total	204767.04	18148.74	16121.86	19398.00	19607.08	16947.66	90223.34

1.1.3 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.

Table 4 – Performance Year to Date from 1 April 2019 to 31 August 2020

Performance	2019/20	April	May	June	July	Aug	YTD 2020/21
Recycling (%)	12.08%	15.53%	14.09%	15.87%	12.74%	14.56%	14.56%
Diversion (%)	96.99%	101.69%	87.63%	102.49%	94.93%	98.58%	97.06%
Moisture Loss (%)	28.01%	29.66%	31.55%	29.56%	30.17%	32.52%	30.69%

1.1.4 Some months diversion is above 100%. This is due to the processing of waste taking 14 days (over a month end). Therefore, some months more processed material may leave site than is received.

1.2 Complaints

Flies

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

Table 5 - Fly complaints by month

	April 2020	May 2020	June 2020	July 2020	August 2020	YTD
No. fly Complaints	3	21	80 (38)*	8 (6)*	4	117

* complaint substantiated by the EA due to proximity to site

2.2.2 June saw a local Facebook campaign that specifically named the BDR treatment facility at Bolton Road as the cause of increased levels of flies and encouraged residents to report the site to the EA.

2.2.3 The EA submitted a Compliance Assessment Report (CAR) in June 2020 indicating 38 complaints were received from localities within a 1.5km radius of the site. The EA Fly Management Plan guidance states that “Houseflies are capable of dispersing over distances of several kilometres, although problems seldom occur at distances greater than 2-3 km from the source. Significant problems likely to cause unacceptable nuisance levels tend to occur within 500m of the source”. The consultant suggested that in practice the majority of the problems caused by dispersing flies are usually within 1.5 km of the source hence the decision to draw the line at 1.5km.

Renewi has provided information that 10 of these complaints were from one area. As the EA were unable to visit the properties associated with the 38 complaints due to Covid restrictions, zero score on the CAR report was issued for the month.

- 2.2.4 There have been 4 fly complaints in August 2020 from the neighbouring areas, this was a decrease in fly complaints from the previous month. Renewi continues to manage its controls on site to ensure they have as little impact on the surrounding area as possible.
- 2.2.5 The EA and their consultant entomologist visited the MBT facility on 20th July. Waste streams were inspected at several locations with evidence of fly activity in the raw waste delivered by the councils, but no evidence found in bio-dried waste. The bio-dried waste was picked from the end of the process where the waste has almost completed the drying process and therefore presents a less attractive breeding area. The EA have instructed Renewi to carry out further extensive investigations within the bio-hall (and other areas).

The consultant's report raised some concerns on the level of flies/maggots and larvae in the input waste, dosage of the larvicide, the need for rotation with another larvicide and the potential for second generation of flies amongst other things.

- 2.2.6 The EA and the BDR Contract monitoring team held a meeting to discuss the issues on 26 August 2020. The view of the EA is that the Renewi site is breaching its permit in relation to flies and a CAR report was sent stating this and the actions they are required to take. The EA Officer indicated that there were some areas in the locality where the residents' bin hygiene was lacking and the Renewi CELO is to provide information to the EA on hints and tips to keep flies out of household bins so they can include this and contact details for Renewi in communications to local residents.
- 2.2.7 EA Officers also raised concerns that there is misinformation about the facility with some residents believing that flies were imported to site to be used in the process and others believing the facility was an incinerator. The CELO is to work on raising awareness in the local community of what the facility is and does.
- 2.2.8 On receipt of the consultant's report from the EA Renewi instigated some remedial actions including additional BAYT boards, increased fly monitoring sites in the AD plant, turning off of spray misters and investigating alternative methods of surface application of larvicide prior to receipt of the CAR.
- 2.2.9 On the 3rd September 2020 John Healey sent a flyer to properties in the Bolton upon Dearne area regarding the facility and actions he had taken to resolve issues. The flyer provided local residents with the contact details for the EA should they be experiencing problems with flies.

Odour

2.2.4 Table 6 below illustrates the number of odour complaints by month.

Table 6 - Odour complaints by month

	April 2020	May 2020	June 2020	July 2020	August 2020	YTD
No. Odour Complaints	4	5	1	0	1	10

2.2.5 The EA have reported 1 odour complaints received in August 2020.

2.2.6 Since Biofilter line 1 has been replaced (to rectify the failure of the first lifecycle replacement media and subsequent increase in odour) testing and analyses has confirmed it is working within the agreed parameters. Now Biofilter line 1 has been rectified, planned lifecycle work on Biofilter line 2 to refresh the media can commence. As biofilter 2 is currently performing to an acceptable level only a partial rather than full replacement of the filter's media may be required. Once the refurbishment work has been completed on biofilter 2 further testing will be undertaken to confirm they are working as expected.

Noise

2.2.7 Table 7 below illustrates the number of noise complaints by month.

Table 7 – Noise complaints by month

	April 2020	May 2020	June 2020	July 2020	August 2020	YTD
No. Noise Complaints	1	0	1	0	0	2

2.2.8 There have been 0 noise complaints received in August 2020.

2.3 Fire Protection Improvements

2.3.1 The situation currently remains the same due to Covid19. Some snagging works remain outstanding and have been put on hold. This outstanding work does not impact on the operational effectiveness of the system.

2.4 Grange Lane

Upgrade Works

- 2.4.1 Following completion of the dilapidation works on the floor at Barnsley Transfer Station work commenced on the upgrade works in August. The new weighbridge office is in place and the welfare facilities are being upgraded.

Fire

- 2.4.1 On the 15th August a fire broke out at Barnsley Transfer Station. SYFS attended and the fire was extinguished by late afternoon on the 16th August. A total of 200t of HWRC waste was alight and once extinguished it was removed from the affected bay and tested to ensure appropriate disposal. The Fire Service confirmed that they do not believe it to be arson but were unable to specify a cause of the fire. Renewi believe either a battery or disposable BBQ with the waste caused the fire
- 2.4.2 The fire caused extensive damage to bay 4 and the electrical and fire detection system for the whole sorting and storage shed was damaged. A structural engineer and Renewi insurance assessors attended site on the 17th August and although it was deemed bay 4 could not be used until repairs were undertaken the rest of the facility could be used. The facility was back in use for some waste streams on the 21st August and within the week, the site was accepting HWRC and Green waste.
- 2.4.3 Renewi are currently working to a project plan for reinstatement and this will be reported on once sub-contractors are appointed
- 2.4.4 Until the remedial work can be completed, bay 4 has been deemed unusable for H&S reasons and it is not expected for the transfer station to be fully operational until later in the year. This has dramatically reduced the capacity at BTS and initially required BMBC residual waste to be delivered to Bolton Road. BMBC felt this change of delivery point was impacting on their ability to complete daily collections.
- 2.4.5 On Friday 28th August following consultation with the EA this arrangement has now been changed, with all HWRC residual waste delivered directly to Bolton Road allowing the majority of Barnsley RCV and ancillary vehicles to deliver to BTS.
- 2.4.6 BDR residual HWRC waste delivered to Bolton Road will be sorted in the tipping hall into MBT waste and waste to be sent to Landfill

2.5 Health and Safety

2.5.1 During the month 164 close calls were raised generating an average of 2.4 close calls raised per employee per month (Renewi set a target of 2 per month per employee). Additionally, the close out rate for the recorded actions was over 98%.

Table 8 – Compliance from April 2020 to August 2020

2020/21	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	54	2	0	6	0	0	0	4
May	105	1	0	3	1	0	0	1
June	126	1	0	3	0	0	0	5
July	164	1	0	0	0	0	0	3
Aug	118	2	0	0	0	0	0	2
YTD Total	567	7	0	12	1	0	0	15

3.0 Legal

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

4.0 Financial

Table 9 - Operational Management Budget 2020/21

20/21 Budget approved by JWB			
	Budget 2020-21	Forecast	Variance
Management	£131,888	£132,046	£158
Administration	£24,806	£22,951	-£1,855
Call off Legal	£62,691	£118,334	-£11,607
External Finance	£30,000		
External Legal	£12,250		
External Technical	£15,000		
Insurance Advisors	£10,000		
Call off Finance	£0		
Call off Technical	£0		
HWRC Project	£0		
Total	£286,635	£273,331	-£13,304

5.0 Communications

5.1 Community Education Liaison Officer (CELO)

- 4.1.1 The minutes from the Community Liaison Group (CLG) Meeting on 8 June 2020, as agreed at the CLG meeting on 1 September 2020 are attached at appendix 1, for information purposes.
- 4.1.2 Social media content posted every Friday throughout the year with the hashtag #FoodWasteFriday to support the Love Food Hate Waste Campaign and encourage food waste prevention. Throughout the summer this was supported by a focus on food waste with increased messaging across all social platforms, a Facebook Live Q&A session and giveaway. The statistics can be found in appendix 2.
- 4.1.3 6.2 Social media content posted every Tuesday throughout the year with the hashtag #ChooseDaysReuseDay and the topic for July was reusable water bottles, August was reusable cutlery and straws and September focuses on clothes and the Love Your Clothes campaign. We also issued press releases to local and regional media on each monthly re-use campaign and as a result of one of these, BBC Radio Sheffield conducted two live interviews with the CELO on the clothes re-use topic which coincides with Oxfam's Second-hand September
- 4.1.4 6.3 The Autumn waste composition analysis will take place from 5th October unless prevented by local restrictions. This cycle will include residual waste sampling from kerbside collection, HWRCs and trade premises as well as kerbside recycling and garden waste.

5.0 Resources

- 5.1.1 The BDR team are fully staffed and have been assisting Barnsley, Doncaster and Rotherham councils with projects as identified in section 8.0. There is additional support as required from a legal locum, internal and external technical and financial advisors for more complex matters.

7.0 Other

Environmental Reports

- 7.1 An issue with a fermenter caused low quality gas to enter the gas bag which resulted in both the CHP and Flare to fail. Because of these failures, gas was released through the Pressure Release Valve (PRV). The cause of the problem was traced to a pressure transducer on one of the fermenters, which allowed air to be sucked into the system through the PRV and / or the desulphurisation system.

8.0 Joint working and BDR support

8.1 Listed below are the current projects and areas the BDR team are assisting individual councils with or co-ordinating:

BMBC

- Support in investigation of current and potential new DMR / Paper and Card disposal contracts
- Facilitating movement on the delays work
- Variations to the BTS contract with Barnsley to allow Paper and Card to be managed as a contingency measure.

DMBC

- Support on Waste Data Flow data collation and input for Q4
- Assistance with the development of the Doncaster Environmental Strategy

RMBC

- Support on Tendering and awarding of new Clinical Waste Disposal contract
- Completion of the legal documents for the Organic and Recycling Contracts

B.D.R

- Covid 19 support
 - Co-ordinating approach across BDR(S)
 - Support on all aspect of the crisis, including guidance, industry insight, legislation changes, resource support / availability, updates and action logs
 - In conjunction with Renewi, ensuring the Waste Treatment Facility remains operational and taking as much household waste as is possible.
 - Ensuring joint working on management of BDR contracts such as HWRC to fulfil the requirements of the service
 - Joint communication
 - Best practice and networking
- Solutions and progression of HWRC contract variation requirements
- Tetra Pac and/or P.T.T introduced into kerbside recycling and PFI contract variation requirements
- Waste and Resource strategy
 - Letter to Environment secretary

- Co-ordination of responses to consultations
- South Yorkshire Municipal Waste Strategy
 - Changes required due to Resource and Waste Strategy

8.0 Glossary of Terms

Term	Definition
3SE	The name for the partnership between Shanks Group plc and Scottish & Southern Energy plc.
A2A (formerly Ecodeco)	Italian company who research, design, construct, and manage plant and equipment for the disposal of waste.
Anaerobic Digestion (AD)	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.
Compliance Assessment Report (CAR) form	A CAR form is used by Environment Agency officers when assessing compliance with Environmental Permits.
Compliance Classification Scheme (CCS)	Compliance Classification Scheme (CCS) score and what action EA are considering. A CCS score is recorded where non-compliance with a permit condition(s) has been identified
Compositional Analysis	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).
Covid	COVID-19 is a disease caused by a new strain of coronavirus. 'CO' stands for corona, 'VI' for virus, and 'D' for

	disease. Formerly, this disease was referred to as '2019 novel coronavirus' or '2019-nCoV.
Department for Environment, Food and Rural Affairs (DEFRA)	The UK government department responsible for policy and regulations on environmental, food and rural issues.
Environment Agency (EA)	An executive non-departmental public Body responsible to the Secretary of State for Environment, Food and Rural Affairs for issues affecting the environment.
FCC Environment	One of the UK's leading waste and resource management companies.
Facebook	Facebook, Inc. is an American online social media and social networking service company.
Ferrybridge Multifuel 1/Multifuel 2 (FM1/FM2)	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 1/2 (FM1/FM2)
Household Waste Recycling Centre (HWRC)	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.
Joint Waste Board (JWB)	The Statutory Committee comprising Portfolio Holders and Senior Officers with responsibility for waste.
Mechanical Biological Treatment (MBT)	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.
Microsoft Teams	Is a business-oriented communication and collaboration platform that combines workplace chat, video meetings, file storage, and application integration.
Private Finance Initiative (PFI)	Mechanism for creating "public-private partnerships" (PPPs) by funding public infrastructure projects with private capital.
Refuse Collection Vehicle (RCV)	The collection of rubbish and waste, usually in a rubbish or refuse truck, before final disposal.
Renewi UK Services	The new trading name for Shanks Waste Management.
Solid Recovered Fuel (SRF)	A fuel produced by shredding and dehydrating solid waste (MSW) with a waste converter technology.
SSE plc (formerly Scottish and Southern Energy plc)	A British energy company headquartered in Perth, Scotland.
Veolia	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
Waste Data Flow	WasteDataFlow is the web-based system for municipal waste data reporting by UK local authorities to government.
Waste Infrastructure Credits	Awarded by DEFRA to incentivise local authorities to develop infrastructure to treat waste as an alternate to landfill.
Waste Transfer Station (BTS)	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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