

**BDR WASTE PFI
BDR MANAGER UPDATE REPORT**

SEPTEMBER 2016 – DECEMBER 2016

1.0 Governance

The Director of Regeneration and Environment at Rotherham Council took over as the chair of the BDR Liaison Committee and the annual review meeting was held on 12th October 2016.

At the Liaison Committee, it was raised that the Community Liaison Group were concerned at the lack of attendance of the nominated Councillors and a request for deputies to attend in their place was made.

Shanks Group Plc as operating contractor for the BDR Facility are in the process of recruiting a Contracts Director.

Shanks Group Plc as operating contractor for the BDR Facility are in the process of negotiating a merger with Van Gansewinkel Group. The merger is not expected to impact on the BDR Project although it is likely that Shanks Waste Management will be rebranded.

A new Managing Director for the Municipal division of Shanks Waste Management has been appointed.

2.0 Audit

RMBC have completed their second audit of the procedures and processes of the BDR contract compliance team. The focus of this year's audit was on the robustness of the payments process and the accuracy and validity of performance data, focusing particularly on those performance measures that have financial or service delivery implications. The overall audit opinion rated the project with Substantial Assurance; this is the highest level of assurance, the scale being; Substantial Assurance, Reasonable Assurance, Partial Assurance and No Assurance. See Appendix 1.

3.0 Contract Performance

3.1 Bolton Road

3.1.1 Recycling and Diversion

Table 1 contains the information about the number of tonnes processed and the contract performance. There have been some issues, which have affected the recycling performance of the facility:-

- There are ongoing issues with a poor market for recycling plastics from an MBT. The price of oil is low; this means the virgin plastic material is cheap and consequently lowers the value of the recyclable material.
- During October to December, work was undertaken at Bolton Road to replace shredder rails and improve the refinement section. As a result, a proportion of treated waste did not have recyclable material extracted and some waste was diverted to third parties.

The Contactor has mitigated the impact of these issues by:-

- Paying to get plastics reprocessed.
- Paying for waste to be taken to third parties who can also recover recyclable material from the residual waste.
- Making the improvements to the refinement section to increase the throughput of material and the recycling captured by the process.

Table 1 – Year to date tonnes Processed 1st April 2016 to 31st December 2016

	Type	Tonnes	Percentage	Target (contract estimate)	Variance
Waste delivered	Contract waste only	168,333.60			
	Household Waste	151,211.10			
Landfill	Total	5,577.65	3.31%	5%	1.69%
Recovery	Total	107,094.52	63.62%	n/a	
Recycling	Ferrous	1,499.06	0.99%		
	Non-ferrous	183.6686	0.12%		
	Fines	5,165.12	3.42%		
	Glass and Stone	2,196.11	1.45%		
	Plastic	5,092.75	3.37%		
Recycling other	Metals in bottom ash	1,774.25	1.17%		
	AWM recycling	995.57	0.66%		
	Total	16,906.53	11.18%	19.00%	7.82%

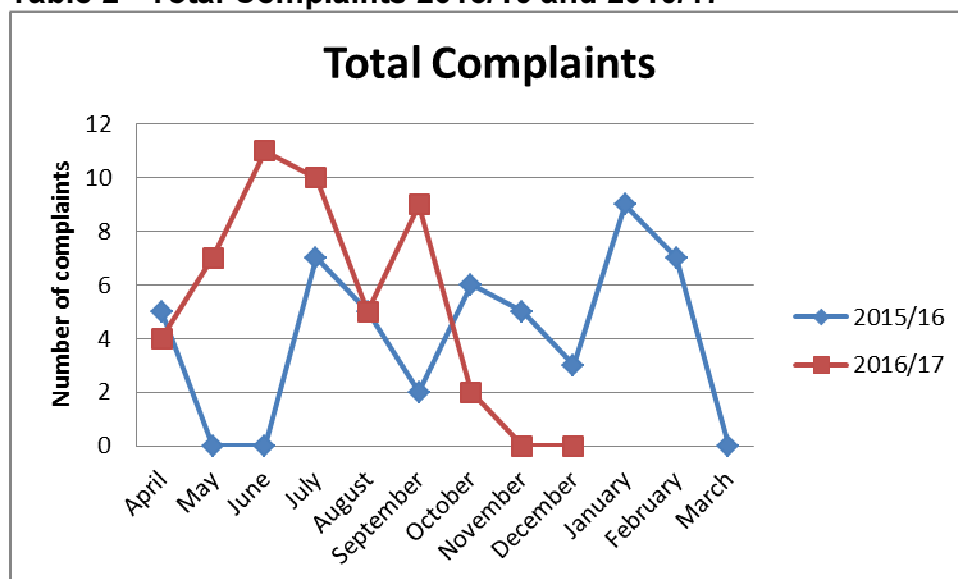
Moisture Loss		48,735.25	28.95%		
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N.B. above figures are unaudited and subject to change. Recycling percentage is calculated from Household Waste streams only not Commercial. Landfill diversion is calculated by total waste diverted from landfill divided by the total waste delivered. The landfill diversion target for the contract is 95% with only 5% to landfill. The contract is over performing by diverting 98.31% with only 1.69% to landfill.

AWM Associated Waste Management operates an MBT with a similar process to Bolton Road, which removes some recycling from the residual waste. Shanks have used this as a diversion point with the recycling counting to the total contract performance.

3.2.5 – Complaints

Table 2 - Total Complaints 2015/16 and 2016/17



The above graph compares the total number of complaints received per month in 2015/16 with those received in 2016/17.

3.2.5.1 Noise

A monitoring exercise by the Environment Agency (EA) took place on the 20th September 2016 the results indicated the noise was not at a level that should cause nuisance. The EA have communicated their results to people who had raised concerns.

3.2.6 Health and Safety

3.2.6.1 Fire Update

Following the fire in the reception area, the fire detection in that area has been improved.

The household waste recycling centre residual skip waste is now being processed on site at Bolton Road.

Table 3 - Compliance from October 2016 to 31st December 2016

	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
October	6	0	0	0	0	0	0	0
November	14	1	1	0	0	0	0	0
December	24	1	0	0	0	0	1	0
YTD Total	146	12	1	9	0	0	1	9

3.2.6.2 Riddor

A sub-contractor fell from height at Barnsley Transfer Station and fractured a collarbone. This incident is subject to ongoing investigation.

3.2.6.3 Events

A leachate outbreak occurred and leachate accumulated in the attenuation ponds. The emergency procedures were put in place and the outfall to Houndhill Dyke was blocked off. The Environment Agency was informed.

During routine monitoring low levels of legionella was detected in an arm of the bio-filtration system. Specialist contractors were appointed to cleanse the system.

3.3 Ferrybridge

Table 4 – Ferrybridge BDR Fuel Deliveries and Electricity Export

Month	April	May	June	July	August	Sept	Oct	Nov	Dec	Totals
TOTAL FUEL DELIVERED (tonnes)	39345	44252	50901	41068	49315	49591	47020	49601	48016	
TOTAL ELECTRICITY EXPORTED (MWhe)	23509						24850	47241	54104	

Ferrybridge are generating electricity as the turbine is successfully returning to full commercial operation.

Table 5 – Ferrybridge Compliance

	Lost Time	Medical	First Aid	Observation	RIDDOR
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		Incident			
YTD Total	0	0	0	265	0

3.3.2 Grange Lane

Barnsley are progressing the work required to bring the Grange Lane Facility up to good and tenable standard.

4.0 Communications

Information regarding recycling at Christmas was provided to the local press.

5.0 Legal

5.1 Insurance

The insurance market continues to be challenging for the waste sector.

6.0 Financial

6.1 Operational Management Budget

BDR PFI Budget Summary 2016-2017

Item	Budget	Forecast	Variance
Management	£118,905	£118,905	£0
Administration	£18,584	£24,894	£6,310
Sub total	£137,489	£143,799	£6,310
Call Off Finance	£1,120	£540	-£580
Call Off Technical	£0	£0	£0
Call off insurance	£400	£400	£0
Call off Legal	£67,151	£66,114	-£1,037
Sub total	£68,671	£67,054	-£1,617
External Finance	£26,329	£16,246	-£10,083
External Legal	£8,300	£5,157	-£3,143
External Technical	£45,500	£42,199	-£3,301
Project Work Advisor Costs	£74,695	£0	-£74,695
Other Advisor costs	£10,000	£7,800	-£2,200
Sub total	£164,824	£71,402	-£93,422
Total	£370,984	£282,255	-£88,729

The contract is performing within budget.

7.0 Resources

7.1 Training

The BDR Project Administrator has secured free apprenticeship funding for an NVQ Level 4 – Business Administration alongside English and ICT and has 18 months to complete the course.

The BDR Compliance Officer will undertake Prince 2 training in April 2017

8.0 Other

8.1 South Yorkshire Waste Strategy (SYWS)

The work on the technical document for the waste strategy continues and the working group will now need to look at the action plans. The outcome of the Amec Service Review will be incorporated into the action plans.

9.0 Glossary of Terms

Term	Definition
3SE	The name for the partnership between Shanks Group plc and Scottish & Southern Energy plc.
Anaerobic Digestion (AD)	A series of biological processes in which microorganisms break down biodegradable material in the absence of oxygen. One of the end products is biogas, which is combusted to generate electricity and heat.
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.
Incinerator Bottom Ash (IBA)	Is a form of ash produced in incineration facilities
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.
Megawatt Hour (MWh)	Is a measure of energy that is often used to describe an amount of electricity.
Private Finance Initiative (PFI)	Mechanism for creating "public-private partnerships" (PPPs) by funding public infrastructure projects with private capital.
Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013 (RIDDOR)	RIDDOR which puts duties on employers, the self-employed and people in control of work premises (the Responsible Person) to report certain serious workplace accidents, occupational diseases and specified dangerous occurrences (near misses).
Solid Recovered Fuel (SRF)	A fuel produced by shredding and dehydrating solid waste (MSW) with a waste converter technology.

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