

**BDR WASTE PFI  
BDR MANAGER UPDATE REPORT**

**DECEMBER 2015 – FEBRUARY 2016**

**1.0 Governance**

**1.1 Resources**

David Burton, Assistant Director of Street pride will be retiring prior to the next Joint Waste Board. The BDR team would like to wish him well and thank him for his hard work over the years.

Damien Wilson will commence work in RMBC as the Strategic Director of Regeneration and Environment Services and Karen Hanson will commence as Assistant Director Community Safety and Street Scene we look forward to working with them in the future.

**1.2. Rotation of Chair**

In June 2016 the Chair of Joint Waste Board will rotate to Barnsley and the Chair of Steering Committee will rotate to Rotherham.

**2.0 Project Performance**

**2.1 Bolton Road**

**2.1.1 Contractors Representative**

The Contractors Representative attended the Steering Committee meeting on the 22nd of December 2015 and gave a presentation on the plant performance and challenges. An update on the matters discussed is to be provided by the Contractors Representative at the May Steering Committee.

**2.1.2 Recycling and Diversion**

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

- The market for recycling plastics from an MBT is poor at the moment as the price of oil is low
- Grounds maintenance waste is not being delivered to the facility

- Blockages in refinement have impacted on the tonnage throughput
- The SRF Offtake facility has had some downtime due to boiler and crane issues
- Throughput rate of the refinement section

The Contractor has mitigated the impact of these issues by;-

- Paying to get plastics reprocessed
- Pre-shredded Household Waste Recycling Centre (HWRC) waste to minimise the blockages
- Sourced alternative SRF Offtake facilities
- Determined the optimum throughput to achieve maximum recycling
- Assigned a project team to further optimise performance and quality

**Table 2 - Tonnes Processed 3<sup>rd</sup> July 2015 to 28<sup>th</sup> February 2016**

<b>Process</b>	<b>Type</b>	<b>Tonnes</b>	<b>Percentage</b>	<b>Target (contract estimate)</b>	<b>Variance</b>
Landfill		6788	4.7%	n/a	
Recovery	Ferrybridge	72628			
	Other	9797			
	Total	82425		n/a	
Recycling	Ferrous	2002			
	Non-ferrous	173			
	Compost like output (CLO)	7491			
	Glass and Stone	1648			
	Plastic	5112			
	Total	16426	12.63%	19.00%	-6.37%
Total Waste delivered		143,688.			
Moisture Loss		39,829	27.72%	29.14%	-1.42%
Total Waste Diverted		136,935	95.34%	96.50%	-1.16%

n.b. above figures are unaudited and subject to change.

## 2.2.4 – Complaints

**Table 4 – Complaints received from 3<sup>rd</sup> July 2015 to 31st January 2016**

Type	Received this month	Year To date	Comment
Noise	9	34	45% of these are complaints from one particular area of Bolton upon Dearne
Litter	0	3	Litter picks undertaken
Odour	0	1	Complainant contacted and processed explained
Mud on road	0	1	Road cleaned
Flies	0	5	Fly control measures increased, Environmental Health Officers from RMBC taken around plant and process explained.
Traffic Management	0	2	Sub-contractor notified of the issue and approved route information re-issued

The Environment Agency are undertaking independent noise investigations and liaising with residents on Bolton upon Dearne

## 2.2.5 Health and Safety

**Table 5 - Compliance from 3rd July 2015 to 31<sup>st</sup> January 2016**

	Close Call (Observation)	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
YTD Total	97	4	0	20	4	0	0	6

## 2.3 Ferrybridge

**Table 6 – Ferrybridge BDR Fuel Deliveries and Electricity Export**

<b>Fuel Deliveries &amp; Electricity Export</b>	<b>JULY</b>	<b>AUGUST</b>	<b>SEPTEMBER</b>	<b>OCTOBER</b>	<b>NOVEMBER</b>	<b>DECEMBER</b>	<b>JANUARY</b>	<b>YTD Totals</b>
BDR Fuel Delivered (tonnes)	6,377	9,109	11240	9763	8638	9807	10767	65701
BDR Average Fuel NCV (MJ/kg)	16.00	15.50	16.15	15.6	15.0	15.40	15.38	15.6
BDR Proportion of Electricity (MWhe)	9117	10655	11763	9780	9381	10685	10837	71870
BDR Electricity (MWh/tonne)	1.43	1.17	1.05	1.00	1.09	1.09	1.01	1.11
<b>RESIDUES (tonnes)</b>								
BDR Proportion of IBA	2021	1710	2509	1737	1553	1931	2504	13966
BDR Proportion of APCr	386	386	399	309	373	358	375	2587
BDR Proportion of Fe	5	44	34	20	16	4	0	123

**Table 7 - Compliance**

	<b>Lost Time</b>	<b>Medical Incident</b>	<b>First Aid</b>	<b>Observation</b>	<b>RIDDOR</b>
<b>YTD Total</b>	0	0	0	105	1

RIDDOR Incident, Operator received burns to his lower leg attempting to clear an ash blockage from a bunker.

## **2.4 Grange Lane**

Non-contract waste streams are now being accepted at Barnsley Transfer station. Barnsley Waste Management Officers have access to BOXI and are no longer duplicating the ticket checking process. Further work is underway on the output information to ensure consistency.

### **3.0 Communications**

In January the Community Education and Liaison Officer from Shanks has attended a series of Meetings with Friends of Wath Town Hall, Barnsley Foster Carers, Swinton Sports and Health and Dearne Allotment along with several Scout groups and a meeting of the Community Liaison Group.

Through the Shanks Corporate Social Responsibility Fund partnerships are being made with several hard-to-reach groups including children in care and adults with learning disabilities and mental health issues.

In February 2016, a reporter and photographer from Rotherham Advertiser visited the site and a two-page article about the facility, which was printed on Friday 5<sup>th</sup> February 2016 (appendix 1).

### **4.0 Legal**

#### **4.1 Insurance**

Insurance costs have increased significantly; the Contractor is working with his insurance providers to widen the market provision and attempt to lower the premiums. BDR are in discussions with the Contractor regarding the insurance provision.

#### **4.2 Inter-Authority Agreement**

The Inter-Authority Agreement has been reviewed to provide more clarity and remove some historical information. It is expected to have this finalised and signed by the middle of March.

### **5.0 Financial**

#### **5.1 Financial advisors**

Following a tender exercise Romaine have been appointed as financial advisors to the BDR PFI.

### **6.0 Other**

The Contractor is assisting Barnsley, Doncaster, Rotherham and Sheffield with their Waste Strategy Consultation.

## 7.0 Glossary of Terms

<b>Term</b>	<b>Definition</b>
<b>3SE</b>	The name for the partnership between Shanks Group plc and Scottish & Southern Energy plc.
<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>Chartered Institute of Waste Management (CIWM)</b>	The leading waste management organisation in the UK.
<b>Community Liaison Group (CLG)</b>	This is group of 15 of residents and ward councillors with an active interest in ensuring the facility at Bolton Road is properly managed.
<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>Household Waste Recycling Centre (HWRC)</b>	Is a place to recycle and dispose of household waste.
<b>Incinerator Bottom Ash (IBA)</b>	Is a form of ash produced in incineration facilities
<b>Independent Certifier (IC)</b>	Provides the specialist service of checking the compliance of buildings and infrastructure projects against client requirements, detailed design and construction standards.
<b>Joint Waste Board (JWB)</b>	The Statutory Committee comprising Portfolio Holders and Senior Officers with responsibility for waste.

## 7.0 Glossary of Terms

<b>Jones Celtic Bio Energy (JCBE)</b>	Provides a complete solution for the generation of renewable energy from biodegradable sources, such as municipal waste, food waste.
<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.
<b>Megawatt Hour (MWh)</b>	Is a measure of energy that is often used to describe an amount of electricity.
<b>Private Finance Initiative (PFI)</b>	Mechanism for creating "public-private partnerships" (PPPs) by funding public infrastructure projects with private capital.
<b>Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013 (RIDDOR)</b>	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).
<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>Shanks Waste Management (SWM)</b>	The UK arm of Shanks Group plc, a leading international sustainable waste management business.
<b>Waste Infrastructure Delivery Programme (WIDP)</b>	The delivery unit in England to make available programme management resources to Defra.
<b>Waste Electrical &amp; Electronic Equipment (WEEE)</b>	Is the European Community directive 2012/19/EU on waste electrical and

	electronic equipment (WEEE) which, together with the RoHS Directive 2002/95/EC, became European Law in February 2003.
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**Contact Name:-** Lisbeth Baxter, BDR Manager, Tel. Ext 55989  
e.mail: Lisbeth.Baxter@rotherham.gov.uk