

Recyclate Quality Regulations

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Overview

- Implementation what went well and what we learned (waste classification, sampling practices & other issues)
- Data publication: analysis tool, data limitations and early indications of quality
- Future work, with MRFs & others in the recyclate supply chain



Implementation – Improving Understanding

- In-depth visits developed operator understanding of the Materials Recovery Code requirements
- SEPA staff from non-regulatory background developed understanding of MRF operations
- Significant operational variation across the sites
- Some common issues encountered



Implementation – Material Classification Issues

Input Sample

TARGET MATERIAL

- Any material which the facility intends to segregate
- Report in 'Sample_Input' tab under Plastic, Glass, Paper, Cardboard, Metals and Other

NON TARGET MATERIAL

- Any material which the facility considers could be recycled, but is not segregated for this purpose
- Report in 'Sample_Input' tab under Plastic, Glass, Paper, Cardboard, Metals and Other

NON-RECYCLABLE MATERIAL

- Any material which the facility considers cannot be feasibly recycled
- Report in 'Sample_Input' tab under non-recyclable material

Output Sample

TARGET MATERIAL

- Any material not considered as a contaminant within the output specification
- Report in 'Sample_Output' tab as total quantity of target

NON TARGET MATERIAL

- Any material which the facility considers could be recycled but is considered as a contaminant within the output specification
- Report in 'Sample_Output' tab as total quantity of non-target

NON-RECYCLABLE MATERIAL

- Any material which the facility considers cannot be feasibly recycled and is considered as a contaminant within the output specification
- Report in 'Sample_Output' tab as total quantity of non-recyclable

Waste Output

TARGET MATERIAL

- Material which has been segregated by the facility to facilitate its recycling
- May go for further processing prior to final destination
- Report in 'Waste_Output' tab as total quantity of target (per output stream)

NON TARGET MATERIAL

- Non-segregated material which is sent for further processing to facilitate its recycling
- Report in 'Waste_Output' tab as total quantity of non-target(per waste stream)

NON-RECYCLABLE MATERIAL

- Any material that is not recycled
- Can include a combination of target, non-target and nonrecyclable material - end destination is key
- Report in 'Waste_Output' tab as total quantity of non-recyclable (per waste stream)



Implementation – Sampling Practices





Implementation – Sampling Practices





Implementation - Engagement

- Positive operator cooperation overall
- Many sites realising the benefit of sampling (some already doing it before the Code)
- Some operators meeting regularly with their largest customers
- Charges for contamination being applied, but not everywhere
- Some operators still have no formal incentives for supplier quality improvements
- Examples of local authorities using the Code to assist with contracting, and doing their own spot checks





Implementation – End/Next Destination

- Data provided by most at a very early stage
- Level of detail given varied initially, full details now provided
- Next destination easy to obtain
- End destination much harder
- Material use at next destination difficult to confirm in some instances
- Duty of Care an issue across the board
- Cannot give a reliable figure regarding proportion of material recycled domestically



Implementation – Other Issues

- Good communication between ops staff & sales/management/admin is key
- Staff training for all involved is critical (along with follow up checks to confirm understood)
- Householder confusion was apparent across most facilities
- Inadequate bin services causing contamination issues



Implementation – Data Publication

- End June/beginning of July
- Data reporting took longer than expected to get to acceptable reporting standard
- Some caveats will be applied upfront, but generally confident in the accuracy of the data reported by operators

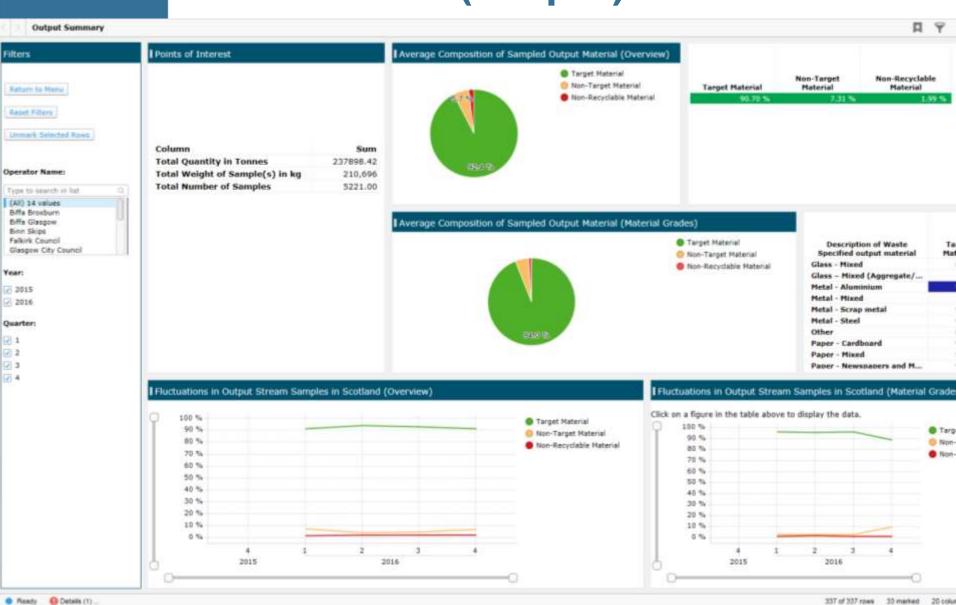


Analysis Tool: National Overview (Input)





Analysis Tool –National Overview (Output)





Publication Tool – Input/Output Samples by Site







Supplier 10

Supplier 17

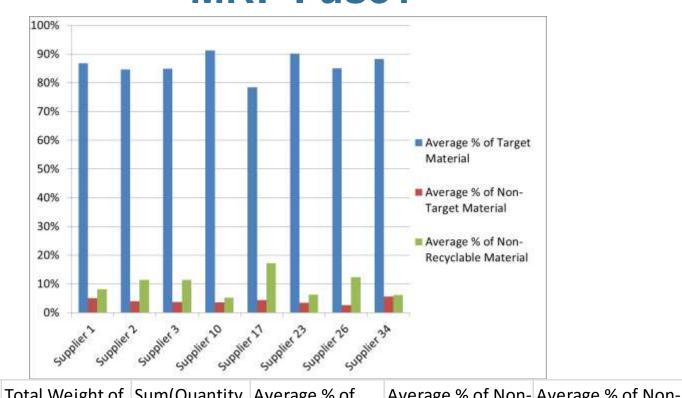
Total Number

3

219.6

70

Publication Tool – How do I compare to other suppliers to the MRF I use?



91.23%

78.37%

3.64%

4.45%

5.13%

17.18%

	Total Namber	Total Weight of	Same	Average 70 Or	Average 70 or Non	Average 70 or Non
Supplier Details	of Samples	Sample(s) in Kg	(Tonnes))	Target Material	Target Material	Recyclable Material
Supplier 1	18	1373.8	1466.08	86.82%	5.03%	8.15%
Supplier 2	12	908	1165.72	84.63%	3.92%	11.45%
Supplier 3	9	666.6	758.78	84.96%	3.66%	11.38%

1136.96

79.96

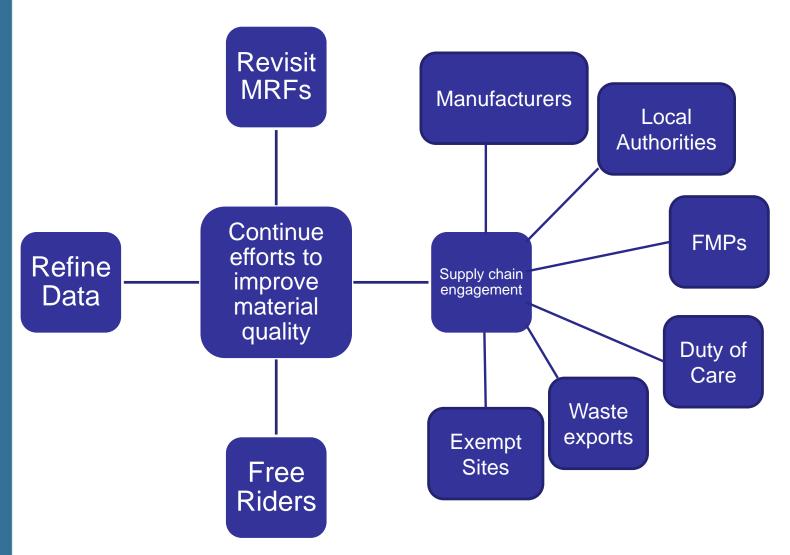


Publication Tool – Material Outcomes

Description of Waste	Material Type	Management Method	Geographic Region
Clear		Transferred Off Site	Scotland
Plastic - PET Bottles	Target	Recycled	Scotland
Mixed		Transferred Off Site	Scotland
DMR Residue	Non Recyclable	Physical treatment	Scotland
	Non-Recyclable	Landfilled	England
			Scotland
		Physical treatment	England
	Not Applicable	Physical treatment	England
			Scotland
Glass - Mixed	Target	Physical treatment	England
			Scotland
Metal - Aluminium	Target	Recycled	England
			Scotland
Metal - Scrap	Target	Physical treatment	Scotland
		Recycled	England
			Scotland
Metal - Steel	Target	Physical treatment	Scotland
		Recycled	England
			CHJ



What Next?





Thank you

Questions?

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