



Cardiff Council - Recycling & Neighbourhood Services "Waste Transfer Station, Recycling Centres & Materials Recycling Facility Operations"



Gweithio dros Gaerdydd, gweithio gyda'n gilydd Working for Cardiff, working together

PAS 402:2013

Publicly Available Annual Report 1st January 2023 – 31st December 2023

1. Forward – Our Recycling Strategy 2022-25 (Executive Summary)

Cardiff is already one of the best cities for recycling in the UK and Europe. The purpose of the Recycling Strategy for Cardiff (2022-25) is to drive up our recycling performance even further.

This Strategy reaffirms our commitment to achieving the Welsh Government's statutory recycling targets and sets our intention to move 'Beyond Recycling' by keeping resources in use and avoiding waste. It also sets out how we will more effectively manage the city's waste to help meet the aims of our 'One Planet' strategy and support the transition to net zero Carbon by 2030.

The strategy focuses on three key areas of intervention:

- 1. Improving the recycling performance of the Council's Trade waste service
- 2. Expanding the residential recycling service to include new segregation streams
- 3. Diverting recyclable materials from the residual (non-recyclable) waste stream.

We know that there are a number of challenges facing us. Many of the challenges facing Cardiff, as a large urban area, are unique in a Welsh context. Issues such as a diverse housing stock, transient populations, a high proportion of businesses and a regular programme of major events present Cardiff with a range of challenges.

Alongside this, we know that the quality of our recycling is currently poor. Around 30% of the material within our green bags should not be there, meaning that materials that could be recycled have been contaminated and must therefore be burnt. That's almost 10,000 tonnes of valuable recycling material lost in 2021.

Worse still, if recycling bags contain material that shouldn't be there, such as food, it can be attacked by seagulls and other animals, creating an unsightly mess. Our dedicated team of waste collectors and committed network of volunteers work hard to clear Cardiff streets, but their job is made so much harder if we do not recycle properly.

Currently, we also provide over 27 million single use plastic bags a year for recycling. This simply needs to stop. Moving forward, the Council will need to provide re-useable containers which will be suitable for use across our diverse housing stock, in addition to encouraging the correct presentation of waste.

Finally, we know that 70% of the material within the general waste collected from the pavements could be recycled. We need to work with residents, alongside reviewing our collection methodology, to ensure that all this material is recycled in the correct way.

Taken together, failing to recycle properly is bad for the environment, bad for the public purse and is bad for our local neighbourhoods. All these issues can be addressed by improving the quality of material by taking the actions set out in this strategy.

Aims, Objectives and Actions

The Aims of the Recycling Strategy are to:

- 1. Improve material quality
- 2. Increase recycling participation and capture priority materials
- 3. Increase opportunities for communities and residents to recycle
- 4. Make use of all available data, to develop targeted actions
- 5. Reduce single use plastics
- 6. Encourage and support the prevention, reuse and repair of materials
- 7. Contribute towards developing a circular economy within Wales

Alongside the aims and objectives of the Strategy, there are a number of core actions, which will help deliver Cardiff's vision. These are set out in the table below.

<u>Aims</u>	<u>Objectives</u>
Improve Material Quality	Expand the recycling service to offer separate collection of glass (bottles and jars), fibres (paper and card) and containers (cans and plastics)
	Reduce compostable garden waste contamination, through education and enforcement strategies, and a full-service methodology review
Increasing Recycling participation and capture of priority materials	Review Trade practices to improve performance and comply with non-domestic waste regulations. This will include changing collection methodology and targeting recycling contracts
	Relaunch an enhanced 'Really Rubbish' Campaign with schools and commercial trade to promote recycling services (and composting in Schools)
	Review recycling in flats and rented accommodation to increase performance, working with relevant partners such as Rentsmart Wales and WRAP Cymru
	Permanently adopt and enforce a no mixed bag/ bag sorting policy at Household Waste Recycling Centres
	Review site layout and signage, booking in system and effective customer engagement at Household Waste Recycling Centres.
	Increase cleansing recycling performance through segregation of litter-picked waste and recycling litterbins Review residual waste provision and introduce measures to
	increase participation in food waste service
Increase opportunities for communities and	Implement static and mobile recycling facilities within local communities
residents to recycle	Expand Markets & collection opportunities for additional materials – Absorbent Hygiene Products (nappy and incontinence waste)/coffee pods/tetrapak/plastic film

Make use of all available	Undertake a Composition Analysis to determine the
	materials to target
data, to develop targeted	ŭ
actions	Monitor Participation to inform targeted activity
	Progress the Pink Sticker Campaign based on the principal
	of educate first, with removal of bins where there is repeat
	contamination. Be Mighty Recycle Campaign/Keeping up
	with the Jones'
	Review all recycling contracts, to ensure minimum recovery
	rates are being met (where specified) and identify improved
	recovery
Reduce single use	Implement re-usable containers for recycling
plastics	Single use plastics strategy
	Expand water re-fill across the City, promoting re-usable
	bottles
Encourage and support	Wastesavers Re-use Centre at Lamby Way
the prevention, re-use	Collaborate on community activities such as
and repair of materials	Benthyg/Repair Café Wales
	CLARE Wales Repair Directory
	Develop a Zero Waste Map
	Develop a business case for a re-use/repair/education hub
	within the city
Contribute towards	Work with partners- such as CLARE Wales - to develop
developing a circular	regional solutions
economy within Wales	Continue existing processing partnerships, such as
•	Prosiect Gwyrdd
	Take an active role in supporting the 'Dyfodol Gwyrdd
	Glân', / 'Clean Green Future' collaborative partnership for
	Welsh Local Authorities and the Welsh Government –
	seeking regional processing solutions for materials such as
	absorbent Hygiene Products
	assorborit riygiorio i roddoto

Key achievements are included in Section 9 - Performance Review

"For the Operations included in the Report (Waste Transfer Station, Recycling Centres and Material Recycling Facility), we received 74,236.76 tonnes of incoming waste during 2023, of which 100% was recovered/recycled.

We are committed towards retaining PAS 402:2013 Accreditation and this year we have further consolidated our position in terms of our three accredited operations; our Waste Transfer Station, Recycling Centres and Materials Recycling Facility, this helps us on our journey to shape, build and improve performance, quality, environmental and our health and safety frameworks, additionally it will complement our existing ISO 9001:2015 Quality Management System Standard and the Council's ambitious One Planet Cardiff Strategy to decarbonise the city and become carbon neutral by 2030.

Signed: Matt Wakelam

Date: 31/07/24

Designation: Assistant Director, Street

Scene Services

Author: Steve Parker

Date: 31/07/24

Designation: Performance Manager



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2. Scope of Operations

As a Council we have statutory and legal obligations for delivering waste services (for further information refer to our Legal and other requirements section) and furthermore to comply with Welsh Government's Blueprint to ensure affordable and sustainable local authority collection services for recyclable, compostable and residual waste. In assisting with these requirements our scope of operations are outlined below, the Waste Transfer Station, Lamby Way Recycling Centre and Materials Recycling Facility operates under Environmental Permit (EPR/EP3995FL), and Bessemer Close Recycling and Commercial Centres operate under Environmental Permit (EPR/VP3295EU) for Cardiff Council:

Waste Transfer Station (WTS)

Located at our Lamby Way Site Cardiff, our WTS is an operational area that is used for the receipt, sorting, temporary storage and dispatch of materials for onward recycling, this is explained further in our Operational Control Section.

Recycling Centres (HWRCs)

Situated at Lamby Way and Bessemer Close Sites Cardiff, our Recycling Centres (also known as Housing Waste Recycling Centres) provide a free facility for Cardiff residents to recycle household items at both sites. Our Bessemer Close site also provides a commercial operation and cost-efficient option for small and medium enterprises to dispose of recycling and trade waste.

Materials Recycling Facility (MRF)

Located at our Lamby Way Site, the MRF is a facility and operation that receives potential recycling materials, once received they are sorted manually and mechanically to separate them into recyclable products. Once the items have all been separated, they are delivered to re-processing facilities which convert the recycled goods back into their raw materials. These raw materials are then sold to manufacturers who convert them back into a product for us to buy off the shelves.

See Site Maps below

Site Map 1 – WTS, Recycling Centre & MRF at Lamby Way Depot, Cardiff



Site Map 2 - Recycling and Commercial Centre at Bessemer Close, Cardiff

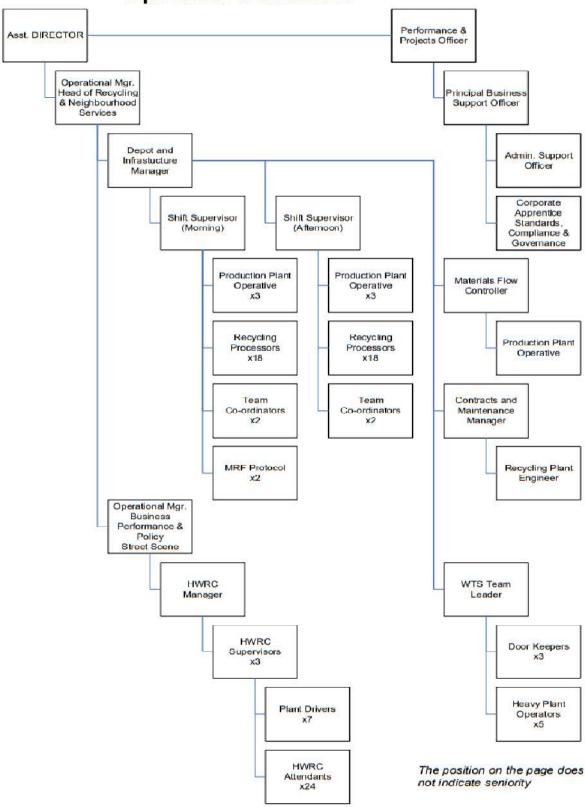


Permits and Planning

- The maximum quantity of waste to be accepted in our operations shall not exceed 2.26m tonnes with the waste transfer station and recycling centre operations limited to 565,000 tonnes each per year.
- Inputs are limited to non-hazardous and inert waste only. Treatment to aid both onward transfer and further processing is permitted. All waste must be stored and treated on an impermeable surface with sealed drainage (foul sewer).
- Odour Management Plan for the WTS at Lamby Way is included in Permit EAWML30338 (odour suppressant and ventilation system)
- Planning Application number for Lamby Way Site 94/00030/R decision was made on the 2nd August 1995.
- Planning Application number for Bessemer Close Waste Transfer Site (Recycling Centre) 04/01952/C, the decision was made on the 17th November 2004.

As outlined in our Environment Permits, the description of activities and permitted waste types for respective operations are outlined in Appendices 2 & 3. The operational staff structure is outlined on the following page.

WTS, HWRCs & MRF Operation's Structure



3. Client Relationship

We work in collaboration with a wide range and unique set of interested parties (clients, customers, stakeholders, partners etc.) to help deliver effective services and operations, examples of these and their needs and expectations are as follows:

Interested Parties	Needs and expectations
Customers, clients, community groups	Day to day service delivery, customer feedback
Employees	Key asset for delivering the day-to-day service and continuity of operations
Members and Councillors	Setting our political agenda, strategic direction, planning and policy arrangements
Suppliers	Purchasing and procurement, goods and services
Regulators and legislators i.e. Welsh Government, Audit Wales, Natural Resources Wales, British Standards Institute	Compliance, upholding legislative requirements, reporting, funding, partnership and collaborative working
Contractors and consultants	Contractual arrangements for projects and schemes, maintenance, service delivery support and technical advice. Contractual arrangements are managed in conjunction with the Council's Procurement Services, and we have "framework agreements" in place to ensure that legal, financial and procurement obligations are in place and being followed.
Voluntary groups	Resource resilience, providing unpaid support
Waste Management Companies	Waste recycling, treatment, assisting in ensuring maximum recovery rates
Health boards, Universities, Local businesses	Commercial business operations – aimed at increasing our client base
Internal Council Teams	Support for legal, financial, fleet and facilities management, human resource, health & safety etc.
Recycling off-takers	Engagement with off-taking partners to promote sale and quality and testing of materials

Essentially, we utilise and engage our WTS, Recycling Centres and MRF for secondary sorting to extract recyclables that have been disposed of to achieve the ever-increasing targets for recycling via internal receipt of waste from our various operations and onward recycling partners. Furthermore, other waste management companies are utilised to ensure increasingly high levels of recovery and to maximise the quality of recyclable materials to onward markets, hence adding value to the process.

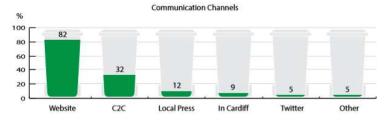
Our services are promoted on our website; **www.cardiff.gov.uk**, in addition customer queries and transactions are dealt with via our internal Contact Centre – "Connect to Cardiff" (C2C) and all agreed social media channels.

Stakeholder Engagement & Communication

Stakeholder engagement and communication is essential to promoting and improving our recycling performance rates across the city. Targeted campaigns, taking into account the needs of individual communities, are developed with advice from relevant stakeholders. To support this, we have developed a number of customer engagement and communication objectives:

- We will continue to work in partnership with universities, students' unions and the third sector to support students with street scene, reuse and recycling improvements.
- We will work with community leaders and forums to ensure our communications support our Black, Asian, Minority Ethnic Communities, Disabled and people with mental and physical difficulties to reuse and recycle more.
- We will use intelligent data, for example Office 365 Power BI, to deliver targeted campaigns in areas that are likely to see the best incremental change in recycling performance.
- We will explore community and charity partnerships, alongside local authority partnerships, to form the cornerstone of a strong longer-term recycling strategy and circular economy in this area.

Continuing "Ask Cardiff Surveys" have also helped to inform how and where people go to find their recycling and waste information (see diagram below). This again will help us to use more effective communication methods when contacting residents.



To support our Recycling Strategy, we have established a number of key customer improvement principles to help improve and increase recycling, these are listed in the table below:

Key Principle	Purpose / Impact
Waste Minimisation	To inhibit the growth of Municipal Solid Waste per capita by
	promoting waste minimisation initiatives with a long-term
	aim of reducing growth to zero.
Awareness and Education	To raise awareness with the public and the Council of the
	need to enhance reuse, high quality recycling and
	composting throughout the city through comprehensive
	stakeholder engagement.
Maximise high quality	To ensure compliance with all legislation and guidance
Reuse, Recycling and	produced, with the ultimate aim of achieving 70%
Recovery	reuse/recycling/ composting rate by 2024/25.

	Working with other waste management companies to ensure we maximise recycling rates and help improve the quality of the recycling product for end markets. Use of non-conforming product procedure to improve quality.
Minimise Waste to	To minimise the amount of Municipal Solid Waste sent for
Disposal	disposal, by not exceeding the maximum amount of energy
	from waste facility targets set by Welsh Government.
Partnering	To work with local partner organisations, where practicable, to deliver local, regional and national benefits.
Cost Effective Service	To provide a value for money waste management service which is cost effective and efficient.
Sustainable Management	To offer recyclable management services that offer substantially improved sustainability, and much reduced carbon emissions and

We have developed a Quality Policy which is basically a brief statement that aligns with our purpose, mission, policy and strategic direction. It provides us with an effective framework and management commitment for quality objectives to help meet respective requirements, for example, customer, workforce, statutory and regulatory obligations to support us in continually improving services and operations, this is outlined below:

Our Quality Policy

We are firmly committed to the delivery of high quality, cost effective & efficient services that meet the needs and the expectations of our customers & communities that we serve and our key stakeholders (our interested parties). We are committed to providing services in accordance with our current Recycling Strategy and all relevent standards, environmental considerations and legislation. We will consult with local people, local organisations and key stakeholders to identify their concerns through a risk based approach, all within the constraints of legislation and available resources, and in conjunction with our partners. We will seek to continuously improve the quality, extent and nature of services provided through adoption and retention of industry standards and certification, for example ISO 9001:2015 and PAS 402. Health & safety is paramount and we recognise that every employee, through their day to day work, makes a crucial contribution to the overall delivery of Council services, whether they are delivered internally or externally, and we will not only encourage their participation in the preparation, implementation and evaluation of improvement activities but also their individual employee development.

4. Impacts and Risks

Advisory Support

As part of the Council's support arrangements, we have dedicated legal representatives, human resource professionals, health & safety advisors, performance managers, facilities management staff, fleet managers and accountants who work in conjunction with managers and back-office support staff to provide us the necessary advice and support. These individuals and teams help to manage our respective impacts and risks through the following mechanisms:

- Procurement and purchasing frameworks
- Legal advice for policies, strategies, permits and key reports etc
- Employee law and guidance
- Health and safety policy, action plans and risk mitigation
- Industry Standards and accreditation development
- · Building and asset maintenance schedules
- · Vehicle management and maintenance
- · Budgetary and financial monitoring
- · Risk Register Management with hierarchy of risk registers

We also work closely with Natural Resources Wales and other partners to ensure that our environmental impacts and risks are identified and controlled effectively. We have adopted an ambitious One Planet Cardiff Strategy and Programme of Projects to become a Carbon Neutral Council and City, this Strategy is built-in and an inherent priority within the Council Corporate and Directorate Plan, of which the operations in this report are part of.

Daily Site Inspections

Inspections are carried out on a daily basis by our WTS, Recycling Centre and MRF Supervisors and maintenance staff and include a number of checks, these include identifying any remedial actions to help reduce the impact of risk relating to environmental, health & safety and building maintenance, the following are some examples of what we inspect:

- Continuing checks and balances to help ensure quality of recycling materials
- Lighting
- Equipment and machinery checks
- Ventilation, fans and Odour suppressant
- Roller shutter doors
- Firefighting and prevention procedures
- Floor surface cleaning, manual and mechanical
- Customer and Client identification checks
- Skip/container capacity
- Weighbridge checks
- Use of Personal Protective Equipment and clothing
- Spill kits and prevention / drainage / first aid arrangements
- Loading lanes and bays
- Access, egress and visitor safety
- Recycling checks on output material and productivity checks

Vehicles

Safe Systems of Work

We have developed formal Safe Systems of Work documents which have been designed to help control, minimise and eliminate impacts and risks, both from an environmental and health & safety perspective. These have been provided to all employees and comprise of the following information.

- First Day Induction and Employees Responsibilities
- Introduction
- Health and Safety
- Protective Clothing
- · Needle Stick Incidents
- Operation of Roller Shutter Doors
- Operating Plant
- Accident and Emergency Procedures

ISO 9001:2015 Internal and External Quality Auditing

- External annual inspections by BSI
- Annual Schedule of audits developed and implemented to ensure compliance
- Trained quality system auditors
- Audits based on priority and risk
- Improvement actions identified and closed down to help mitigate risk and maintain compliance.

Business Continuity

We have developed Business Continuity arrangements which outline how unexpected and emergency impacts (loss of plant/equipment, IT failure, fire, flood, spillage etc) have been planned for and managed. The arrangements deal with the likelihood and significance of impact, consequences, current controls, actions to resolve and restore the operation, responsibilities and contact details.

Risk Assessments

We have undertaken a comprehensive review of the various tasks within the operations to help identify significant hazards and in-turn help to reduce the risk to an acceptable level. The table below outlines those areas together with other supporting information, the content of these include:

- Activities involved
- Relevant hazards
- Groups or individuals at risk
- Risk and rating
- Identified controls

Risk assessments are reviewed on a rolling basis i.e., annually for high-risk activities, two years for medium risk and three years for low risks after mitigation, following a change of process or procedure, or following an accident or incident.

Business Risks

Our key business risks have been identified and these are included in our Service Risk Register, these are reviewed quarterly and include the following criteria:

- Risk description
- Risk status/level (inherent and residual)
- Risk control and mitigation
- Proposed management actions
- Risk owners
- Review outcomes
- Key indicators / measures

Health & Safety Risk Assessments:

Ref	Title	Next Review Due	Rating
MRF 01	Lamby Way – General operations	Jan 26	Medium
MRF 02	Lamby Way – Traffic Management	June 27	Low
MRF 03	Lamby Way - Routine and Pre- planned Cleaning	May 25	Low
MRF 04	Routine Pre-planned Preventative Maintenance	June 27	Low
MRF 05	Lamby Way – Balers	Jan 25	Medium
MRF 06	Lamby Way – Cleaning Glass	Sept 24	Low
MRF 07	Dust Bioaerosol	March 25	Medium
WTS 01	Lamby Way	May 26	Medium
WTS 02	Commercial Site Bessemer Close	May 26	Medium
HWR 01	Lamby & Bessemer Close	May 26	Low
WDRA 01	Lamby Way Depot & Landfill RA	Jan 25	Medium
WDRA 03	Depot Coordinator Tasks	Nov 24	Medium

Accidents and incidents

During the reporting period of Jan-Dec 2023 there were 24 related accidents / incidents, these are outlined in the table below. The incident comments column describes what initial investigation was undertaken to help mitigate or reduce reoccurrence. As part of the process all risks assessments and safe systems of work have been reviewed to prevent future occurrences.

Date / Time	Incident Type	Incident Summary	Occupation	Injury Cause	Injury Type	Riddor
1/9/23 12:00	Minor Injury	Conducting normal working activities in Cabin 2 then glass went through the IPs glove and cut his finger	MRF Line Operative	Contact with sharp object	Cut	No
11/12/23 10:15	Minor Injury	The Injured Party (IP) emptied a bucket onto the line and as he walked back he hit his head on an over head beam	AM Shift Supervisor	Injured while handling, lifting, carrying, pushing or pulling	Bruise	No
11/12/23 10:15	Minor Injury	The IP emptied a bucket onto the line and as he walked back he hit his head on an over head beam	AM Shift Supervisor	Injured while handling, lifting, carrying, pushing or pulling	Cut	No

11/8/23 10:34	Minor Injury	The IP was using the hook knife and cut his finger	Line Operative	Contact with sharp object	Cut	No
12/1/23 06:20	Minor Injury	The IP hit her head as she was retrieving stock from under the stairs	Stores Co- ordinator	Strike against something fixed or stationary	Concussion	No
12/10/23 10:55	Minor Injury	The IP felt a sharp pain in his finger and when he removed his glove he seen a small puncture wound.	Line Operative	Contact with sharp object	Puncture Wound	No
12/12/23 10:50	Minor Injury	The IP was sweeping under the glass shoot and a piece of class gut his finger.	MRF Line operative	Contact with sharp object	Cut	No
13/12/23 09:40	Minor Injury	The IP cut his finger when he picked a green bag from the line. There was a piece of glass in his finger.	Line Operative	Contact with sharp object	Cut	No
13/7/23 10:30	Minor Injury	The IP cut his face when cleaning by door 8	Line Operative	Contact with sharp object	Cut	No
19/12/23 08:45	Minor Injury	The IP was leaning over the belt in cab 3 holding a diversion in place to stop waste going into the grade 1 paper waste. He then had back pain in the evening	MRF Line operative	Injured while handling, lifting, carrying, pushing or pulling	Strain / Sprain	No
2/6/23 12:00	Minor Injury	The IP reported a mark on his leg that became itchy. As the IP has eczema and was normal to have itchy legs. However in the night the mark looked like a bite mark and puss was present.	Plant Engineer	Injured by an animal	Puncture Wound	No
23/10/23 09:44	Minor Injury	The IP cut his finger when in cab 2	Line Operative	Contact with sharp object	Cut	No
23/10/23 10:45	Minor Injury	The IP cut his hand when cleaning the steel bailer	MRF Maintenance Operative	Contact with sharp object	Cut	No
24/3/23 09:15	Known 'over 7 day' Injury	The IP misjudged the positioning of the handle when entering a vehicle and hit his finger on the handle.	Pool Operative	Strike against something fixed or stationary	Strain / Sprain	Yes
25/4/23 13:30	Minor Injury	A small piece of metal shot out of the container when compacting and struck a MOP in the leg	tainer when compacting and struck Operative flying or falling object		Bruise	No
27/3/23 13:20	Minor Injury	The IP was pushing steel into a steel bin and his hand slipped and caught on steel	ne IP was pushing steel into a steel Line operator Contact with sharp object		Cut	No
29/8/23 08:45	Minor Injury	The IP cut his finger when working on the picking line in cab 2	Line Operative	Contact with sharp object	Cut	No
3/3/23 16:30	Minor Injury	The IP felt liquid splash onto his arm when removing a car battery from the picking line in cabin 1	Line Processor	Exposed to or contact with a harmful substance	Burn / Scald	No
4/5/23 11:50	/23 Minor The IP felt a sharp pain when working 50 Injury on the line and noticed a puncture wound. Needle the found on the		Line Operative	Contact with sharp object	Puncture Wound	No
5/5/23 14:49	Minor Injury			Injured while handling, lifting, carrying, pushing or pulling	Strain / Sprain	No
5/9/23 11:30	Known 'over 7 day' Injury	The IP injured his back when lifting a box of bags	Pool Operative	Injured while handling, lifting, carrying, pushing or pulling	Strain / Sprain	Yes
7/7/23 08:59	Minor Injury	The IP fell over a can in a walk way	Line Operative	Slip, Trip or Fall on same level	Strain / Sprain	No
8/9/23 08:00	Minor Injury	The IP was picking up Cardboard and a piece of glass cut the IP under his arm	MRF Operative	Contact with sharp object	Cut	No

9/11/23 10:15	Minor Injury	The IP grabbed a tray in cab 2 that was heavy and hurt his wrist	Line operative	Injured while handling, lifting, carrying, pushing or pulling	Strain / Sprain	No

5. Operational Management

We have held a BSI Certificate of Registration since 2003 and during November 2018 successfully achieved the transition to the new ISO 9001:2015 Quality Management System Standard, this has been retained through to the current period (externally inspected and validated by BSI). Our Scope of Registration includes Waste management functions, waste strategy, waste infrastructure, waste collection, recycling processing and the management of waste treatment.

Our Quality Management System includes a number of documented business and delivery plans (corporate, directorate and team), workforce plan (resource plan), monitoring and inspection arrangements, workflow processes, procedures, work instructions, transactional forms, risk registers and health & safety guidelines, target setting for performance indicators etc, this helps to effectively control our operations. These are included and made available via our Council's Sharepoint System for staff to access and are additionally available through hard copy. Our processes, procedures, work instructions and guidelines provide information to ensure effective control with transactional forms being used to monitor and check activities, regular audits are undertaken to confirm this position, establish conformity and compliance with requirements, and to implement improvements.

All of our operations are monitored on a daily basis, this enables us to understand what waste is being received, processed and going out. It also allows us to understand the total amount of waste held in our operations, ensuring compliance with environmental regulations, permits and statutory reporting via waste data flow (WDF) for example. In terms of the waste our organisation generates, where possible this is recycled, stored, handled and disposed of in line with duty of care requirements.

Roles and responsibilities are included in job descriptions and role profiles and are also documented in personal development reviews throughout the year to ensure requirements are understood, operational briefing and toolbox talks also support these requirements. Where required we use agency staff to ensure sufficient resources are available to meet demand.

Key processes for the WTS, Recycling Centres and MRF are outlined in the following pages together with respective control mechanisms and undertaken in accordance with the conditions of our Environmental Permits; (EPR/EP3995FL) and (EPR/VP3295EU).

WTS Process

Waste Acceptance

Vehicles cannot enter unless they have crossed the weighbridge and contents (waste types) checked. Out of hours weights must be noted by the driver if the weighbridge is closed. All vehicles must be weighed out. For monitoring and measurement purposes, the Traffic Controller will record all vehicle movements in and out. Mandatory site rules are in place i.e. speed, signage, PPE requirements etc.



Tipping

If a load appears unacceptable i.e., it contains asbestos, it will be rejected, quarantined and arrangements made with a suitable disposal contractor to dispose of. If the load is deemed acceptable, the driver will then enter the WTS. The vehicle will then follow instructions observing all site rules, the load will then be unloaded and placed in the appropriate bay. Where waste requires sorting (mixed skip waste or fly-tipping), this is either undertaken manually or mechanically to maximise recycling.



Waste Storage

Waste is segregated in bays according to waste types, stockpiles are monitored for environmental purposes i.e., leakages and spills, and to ensure removal takes place asap.



Waste Recovery

Plant operators help to maximise recovery of waste by ensuring haulage vehicles are filled to tare weight and compacted. Metal, bulky waste, tyres and UPVC for example are stored until there is an appropriate stockpile is maximised to fill a designated container.



Waste Dispatch

Only pre-selected hauliers are used in the transfer of waste, these have been assessed and selected via the Council's supplier evaluation process. Once full, drivers will be notified to exit the WTS and proceed to the weighbridge. The Traffic Controller records details of outgoing loads and these, together with incoming loads are sent for back-office reconciliation and processing. Quarterly reporting takes place to establish tonnage and recycling results.



Recycling Centre (Household) Process

Recycling Centre Attendant checks details of persons entering Centre to ensure they have booked and are residents of Cardiff.



Vehicle is unloaded in readiness for placing recycling materials in correct containers.



Recycling materials are deposited in containers. Council staff ensure the segregation of waste materials as appropriate and will offer physical aid to those in need.



Roll-on / Roll-off containers, once full are collected taken to WTS for further processing or approved contractor.



Recycling Centre (Commercial) Process

Vehicle arrives on site. The visual waste inspector ("Barrier Man") records load details – vehicle reg, company, waste type & time. If the vehicle is owned by a commercial trader their Waste Carrier registration number is also checked. Once all is agreed the vehicle proceeds to the first (In) bridge and weighs their gross weight.



Vehicle goes to tip off point as directed by staff and off-loads. The waste is inspected to ensure it is the waste that has been declared on entry. Throughout the shift a telehandler & JCB move waste between tip off points to ensure the site maximizes recycling



Vehicle proceeds to second (exit) weighbridge to weigh off and process necessary paperwork. Payment is made for deposited Waste using a debit card or credit card and leave site. (Traders they are required to hold a valid waste carriers' licence).



Vehicle proceeds to the second (Out) bridge and weighs their tare weight. Drivers exchange paperwork with the weighbridge clerk, and card customers make payment for deposited waste using a debit card or credit card.



Material Reclamation Facility Process

Waste Acceptance: The MRF Tipping Hall entrance is controlled using a barrier system. Vehicles that have been over the weighbridge will be logged on arrival and instructed where to tip by the MRF staff present. The Green Bags delivered into the MRF Tipping Hall are inspected by the MRF staff, any issues with material are raised with the Supervisor, if the material is suitable it is moved into a bay for processing. Any unsuitable material is removed from the MRF.



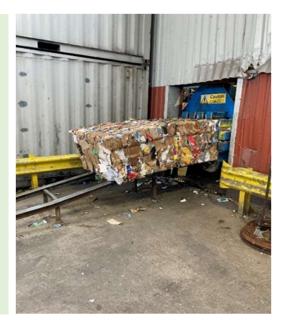
Loading the Bag Opener: When required the driver will load the green bags into the bag opener using a JCB. The bag opener rips the bags open and then passes them onto a conveyor belt for sorting.



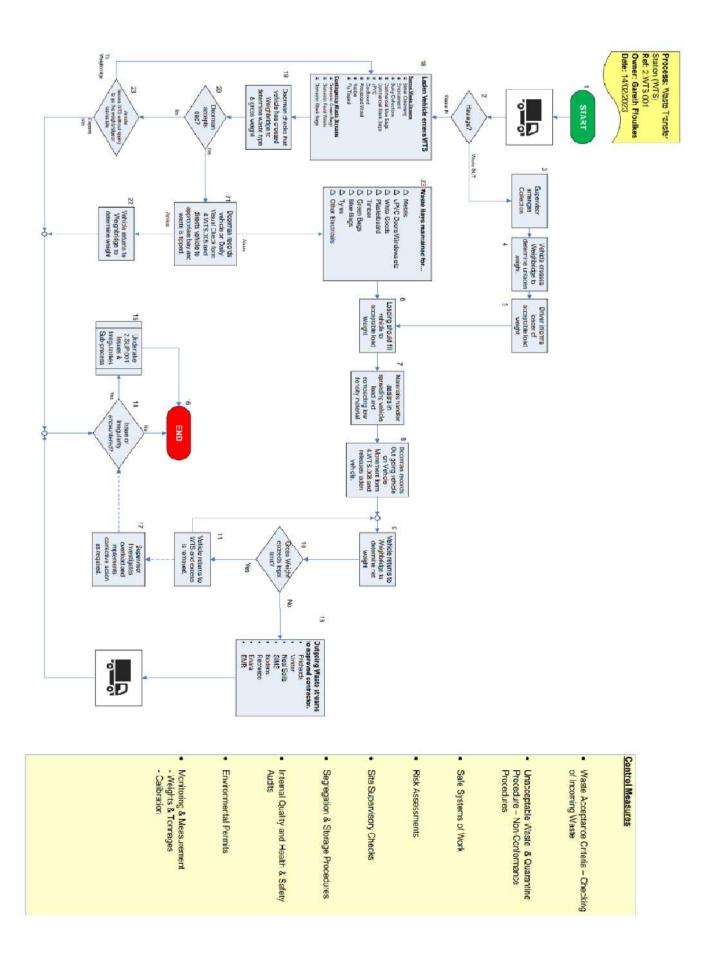
Sorting: The material then passes over conveyors, screens, metal separators, NIR sorters and through sorting cabins. The contamination, cardboard and green bags are removed by picking staff. All other material passes through the Facility, the material is separated into paper, glass, aluminium cans, steel cans, HPDE and Mixed Plastics. Once all of these are removed from the waste stream the remaining material is the End of Line.

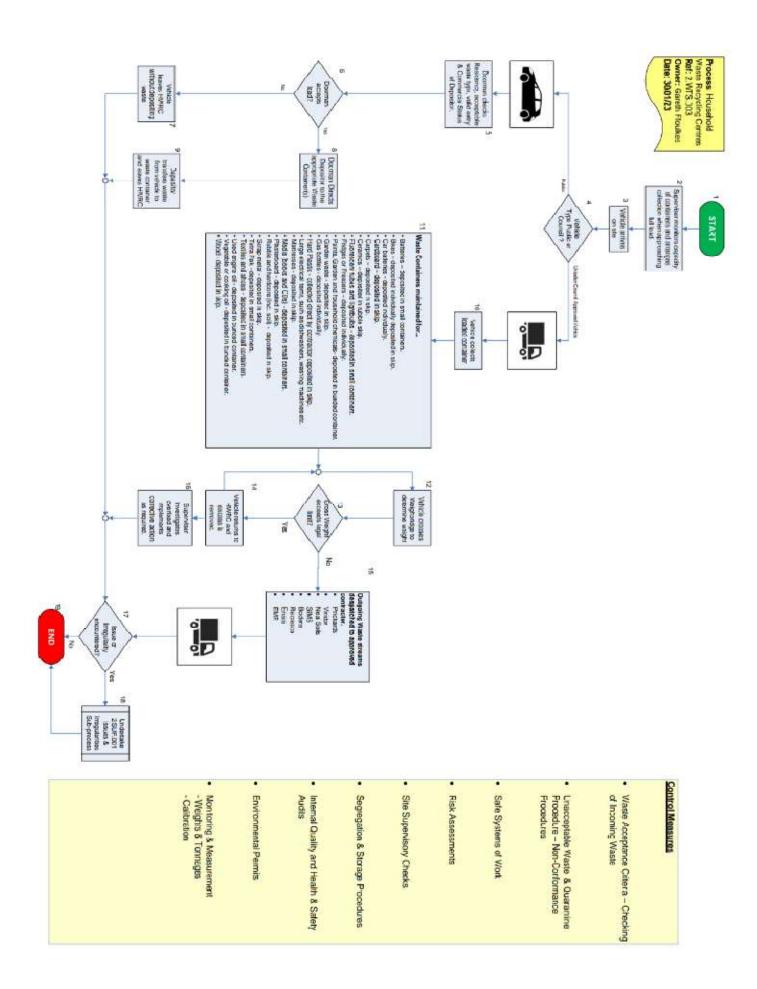


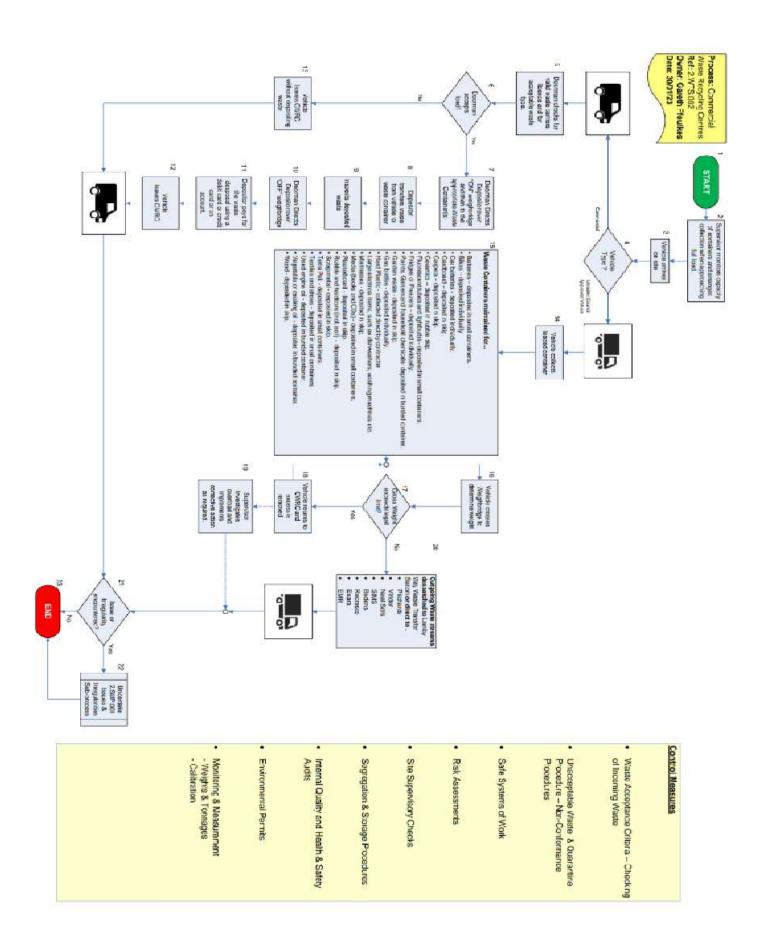
Baling and Loading: The sorted material is then baled (except for glass, which is stored and collected loose). The bales are checked and stored ready for collection. The Materials Flow Coordinator schedules collections with the relevant customers and prepares the paperwork such as Waste Transfer Notes. Once the vehicle has weighed into site, the weighbridge radio the MRF to advise of their arrival and MRF drivers are then instructed to load the material onto the receiving vehicles.

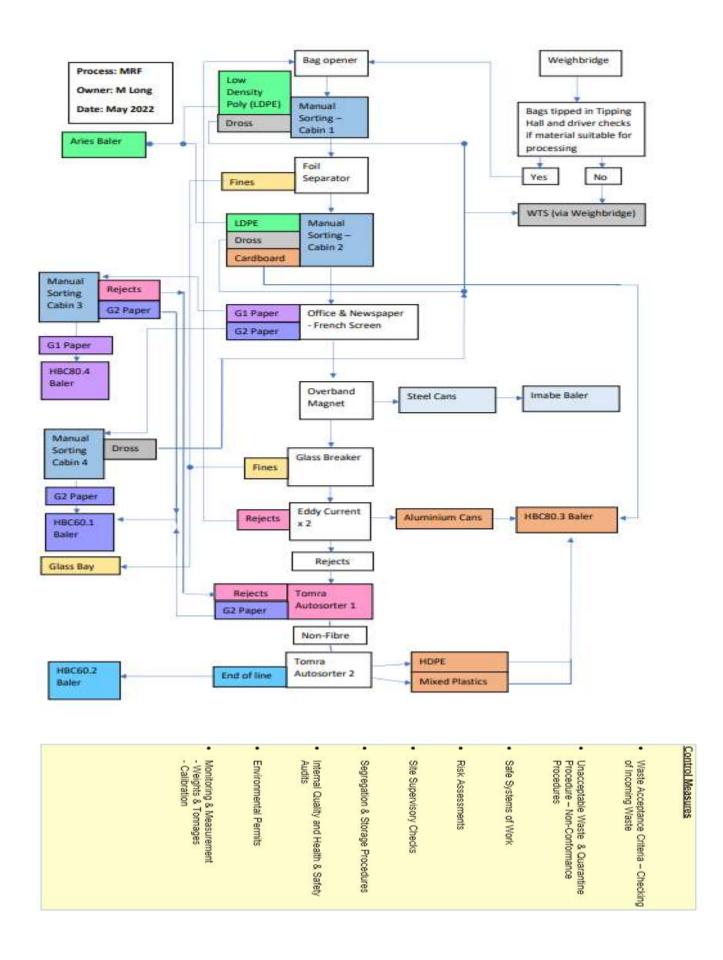


Overarching processes (in flowchart form) for in scope operations are included in the following pages.









6. Competence

All staff and teams within our operations have been subject to the Council's job evaluation scheme and as such competencies, knowledge, skills and experience as well as other evaluation criteria have been identified. These requirements have been developed further for all staff and translated into job descriptions or role profiles as necessary, these provide an agreed framework for staff to deliver their respective tasks and duties effectively.

Primarily, the core competencies of staff that work within our operations are as follows and are based around an ethos of "what we stand for" to establish effective behaviours:

- Putting customers first understanding who our customers are, setting good standards and aiming to improve operations etc.
- Getting things done aiming to complete work within targets and timescales whilst working safely, checking progress against requirements etc.
- Taking personal responsibility working within guidelines, rectifying mistakes, sharing of information etc.

When employed all staff receive induction training, of which we have a formal induction procedure. This induction provides staff with instructions and guidance to promote Council requirements for the protection of people, plant, environmental aspects and to comply with all relevant legislation on site. Similarly, all staff receive toolbox talks and are issued a Safe Systems of Work document and procedure, which helps to establish a safe working environment through helping to reduce risks and hazards.

At year-start (April) the Personal Development Review (PDR) process is initiated. Additional reviews at Mid-year and Year-end serve the purpose of ensuring that staff understand what they need to do, how well they are achieving and what training and development they need to help deliver tasks and operations effectively. This helps staff to understand how they contribute to the Council and how we can maximise their potential.

Training requirements are essentially derived from the above i.e., job descriptions, role profiles and personal reviews however they are also identified through changing circumstances such as new operations, processes or new legislation and requirements etc. The Table on the following page outlines what the core training requirements are and are processed in line with our agreed training and record retention procedures.

• Induction, training, competency and review is implemented in accordance with adopted Council policy and ISO 9001:2015 Quality Management System criteria.

Our in-house training provider, the Cardiff Academy plays a key role in accessing and delivering learning and development opportunities within the Council. There is a fantastic range of training facilities at Council locations, and these are where the Academy delivers the vast majority of courses. This together with e-learning and operational awareness provides and offers a wide variety of opportunities including Health & Safety courses and practical skills to support staff, technical and other bespoke training is managed through other agreed suppliers as required.

Further development opportunities that are being adopted

In order to continue providing the best possible service delivery for our customers, it is crucial that we resource our services with competent and motivated staff, we equip staff with the appropriate skills to deliver operations, particularly in further developing an inclusive workforce that reflects the communities we serve. In this respect, a Workforce Plan has been developed to help establish the key opportunities and challenges for our service, and inform our direction in the short, medium and longer term. The Workforce Plan is split into two distinct elements; Part 1 which is a Workforce Profile describing our dynamics i.e., head count, gender balance, salary grades, age, ethnicity, key skills and sickness etc. Part 2 is an Action Plan outlining improvement opportunity relating to training and development, retention of staff, resources, consultation and engagement, each action has been allocated a responsible officer and timescale for completion.

Core training requirements for staff within the operations

Training Type	Recycling Processors (MRF)	HWRC Attendants	Traffic Controllers (WTS)	Plant Drivers (ALL)	Supervisor / Manager (ALL)
Induction	✓	✓	✓	✓	✓
Manual Handling	✓	✓	✓	✓	✓
Welsh Language	х	✓	х	х	✓
Asbestos training	✓	✓	x	х	✓
Violence at Work	✓	✓	✓	✓	✓
Customer Care	✓	✓	✓	✓	✓
IOSH Working Safely	✓	✓	✓	✓	✓
IOSH Managing Safely	х	х	х	х	✓
First Aid at Work	✓	✓	✓	✓	✓
Fire Warden	✓	✓	✓	✓	✓
Difficult Conversations	х	✓	х	х	✓
Waste Management	х	х	x	х	✓
Certificate of Technical Competence	x	x	x	✓	✓
Driver Assessment	х	x	х	✓	✓
Hook Loader	х	x	х	✓	х
Academy Online Modules	✓	✓	✓	✓	✓
WAMITAB & COTC	Х	х	х	х	✓

Key	
	Mandatory
	Essential
	Desirable / Development
	Not applicable

7. Legal and other requirements

We are committed to robust governance and compliance with all legal, statutory and regulatory requirements. As outlined in our impacts and risks section we have dedicated representatives to support us for legal matters, health & safety management, financial and budgetary support, human resource and people services, facilities and fleet management, and performance frameworks etc. We also work in conjunction with our environmental, health & safety, performance and regulatory partners to ensure strong controls are in place and implemented effectively, examples of these areas are outlined below:

Environmental

- Natural Resources Wales (NRW) Compliance Assessments and Compliance Reports
- One Planet Cardiff Strategy compliance
- National Statutory Recycling Target compliance
- Environmental Permitting Regulations
- Planning Application and Permissions

Health & Safety

- Health & Safety Executive visits (where required) and consequent improvement plans
- Internal health & safety auditing regime
- Health & Safety Policy and Action Plan frameworks

Quality, Performance and Governance

- British Standards Institute ISO 9001:2015 visits and Continuing Assessment Reports
- Internal Compliance Audits
- Quarterly NRW Waste Recycling Returns
- Welsh Government Public Accountability Measure submissions
- Audit Wales (external auditors)
- Internal Governance and Compliance Audits (Corporate Audit Team)
- Public Accountability Measures and Local Business Indicator monitoring
- Statutory Planning obligations
- Internal Risk Register Regime
- Financial Procedure Rules procurement and contract management
- Non-conforming Product and Service Procedures

8. Corrective, preventive and improvement actions

As part of our Quality Management System (ISO 9001:2015) we have developed a robust framework for managing corrective, preventive, nonconforming and improvement actions, this essentially is implemented through our Cardiff Improvement System software (CIS) – see below, processes, procedures and working forms (documents that record operational practices) are included in our newly developed "Sharepoint Site" – see diagrams below:

Cardiff Improvement System (CIS)



Sharepoint Site



We have developed and implemented a schedule of meetings to monitor, measure and improve the business, these include:

- Team Briefings and Toolbox Talks Employee engagement sessions
- Audit Opening and Closure Meetings Audit input and outcomes
- Monthly Operational Health & Safety Meetings local health & safety review
- Quarterly Operational Improvement Meetings Quality Management System (QMS) reviews
- Quarterly Health & Safety Committee Meetings Strategic health & safety review
- Annual Management Review Meetings QMS effectiveness and adequacy

As well as using standard agendas and minutes for meetings to help manage, we also utilise a number of performance tools to record and take forward improvement actions, these include the following:

- Improvement Action (IACT) and Opportunity for Improvement (OFI) Databases to help manage corrective and preventive actions
- **Issues Log** to record key concerns arising from meetings
- Risk Registers risk control, status and review spreadsheets
- RAMIS software for accidents and incidents, monitoring risk assessments and building maintenance
- **DigiGov** employee management platform (recording hours, leave etc.)
- Papertrail for recording training and supervisory inspection outcomes
- Audit Schedule plan of quarterly agreed internal audits
- Quality Management System (QMS) Quality Manual cataloguing how we manage our QMS
- Staff reminder system to ensure effective closure of improvement actions and document updates
- Non-conforming Product or Service Procedure to help manage non-compliance
- Customer Complaints and Complements Databases to manage customer concerns and satisfaction
- Visitors sign in / sign out systems and site / housekeeping controls to help manage health & safety etc
- Non-conforming Product and Service Procedure to promote compliance and quality of recycling materials

All of these systems and tools help to support our ISO 9001:2015 Plan, Do, Check, Act Approach outlined below:

	PL	AN		DO	CHECK	ACT
4. Context of the organisation	5. Leadership	6. Planning for the QMS	7. Support	8. Operation	9. Performance evaluation	10. Improvement
4.1 Understanding the organization and its context	5.1 Leadership and commitment	6.1 Actions to address risks and opportunities	7.1 Resources	8.1 Operational planning and control	9.1 Monitoring, measurement, analysis and evaluation	10.1 General
4.2 Understanding the needs and expectations of interested parties	5.2 Quality policy	6.2 Quality objectives and planning to achieve them	7.2 Competence	8.2 Determination of requirements for products and services	9.2 Internal audit	10.2 Nonconformity and corrective action
4.3 Determining the scope of the QMS	5.3 Organizational roles, responsibilities and authorities	6.3 Planning of changes	7.3 Awareness	8.3 Design and development of products and services	9.3 Management review	10.3 Continual improvement
4.4 QMS and its processes			7.4 Communication	8.4 Control of externally provided products and services		
			7.5 Documented information	8.5 Production and service provision		
				8.6 Release of products and services		
				8.7 Control of nonconforming process outputs,		
				products and services		

9. Performance Review

The operations in scope received 74,236.76 tonnes of incoming waste during 2023 of which 100% was recovered/recycled. Cardiff Council remains fully committed to working collaboratively to improve recycling performance and to meeting both statutory performance targets. Improvements to waste management and recycling performance are a fundamental part of the city's strategy.

The approach being taken is to look at the whole life of recycling materials; from supporting resident participation and behaviours, implementing efficient and effective collections to supporting ongoing participation and managing how and where materials are recycled to deliver a circular economy and to reduce the associated carbon impacts.

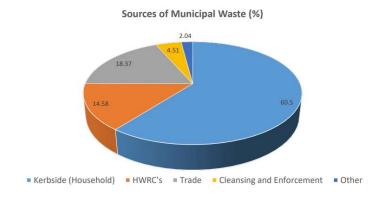
A number of improvements have been introduced since the last strategy enabling the majority of aims set out in our current Recycling Strategy for Cardiff to be achieved. A full gap analysis has been undertaken, comparing performance against the objectives set out in our previous waste strategy. The most significant achievements in relation to our in-scope operations (WTS, Recycling Centres and MRF) include:

- Introduced a Reuse Facility at Lamby Way Recycling Centre in Partnership with Wastesavers.
- Introduced community recycling zones at local hubs for the collection of small domestic appliances, textiles and batteries.
- Introduced mobile / pop up Recycling Centres to increase recycling.
- Introduced an improved "same day booking" system for Recycling Centres.
- Introduced controls at the Recycling Centres to facilitate an increase in recycling performance from 73% to 89%, including a no mixed bag policy, improved signage and recycling availability.
- Introduction of asbestos acceptance at Recycling Centres to tackle the negative impact of asbestos contamination on garden waste recycling.
- Use of technologies to improve capture of target material;
 - introduced an auto sorter in the MRF to automate / improve capture of plastics. Specifically for the natural HDPE (e.g. milk bottles) as this is a high valued item that provides an income for the Council.
 - Introduced an eddy current separator in the MRF to automate / improve capture of aluminium cans which are a high valued item that provides an income for the Council.
 - Glass clean-up currently being explored to reduce the cost of disposal to the Council. In the past 12 months cost has fluctuated per tonne dependant on level of contamination.
- Improving Feedstock;

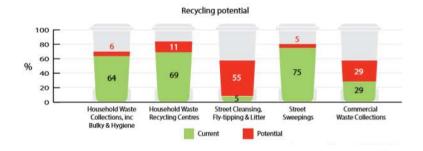
- Approximately 30% of the material processed in the MRF is considered drop out
 material due to it being a non-target item or contaminated (i.e. mixed with food waste).
 To tackle and improve this we are operating a pink sticker system on waste collections
 to educate residents to improve recycling.
- We currently have trial rounds in progress where residents separate material at the kerbside. This is proving to be effective in removing contamination and reducing the volume of drop out material. The trial has been in place for 3 months and is already demonstrating a reduction from 30% to 6% of drop out material.
- Improving recovery rates;
 - We are currently in discussion and conducting trials with processors that have plants that can process material that would typically be sent for incineration. This includes film, drop out and end of line material. Outcomes of discussions indicate that the current 25% recovery rate we get from incineration (bottom ash) could be improved to 90%.

The Sources of waste collected across operations is outlined in the diagram below:

In order to build on the current recycling performance, it is important to identify the source of waste collected throughout the city. This enables focus to be placed on key areas of opportunity, this is outlined in the diagram below:



The Potential for increasing recycling across operations are outlined in the diagram below:



WTS 2023

Stream name	Incoming codes	Outgoing disposal code	Outgoing recovery code	Ш	Tonnes received	Tonnes disposed	Tonnes recovered	Proportion removed	Recovery rate	Tonnes received	Tonnes disposed	Tonnes recovered	Proportion removed	Recover
Tyres	(R13) 20 03 07 - bulky waste (R13) 16 01 03 - end-of-life tyres	n/a	(R03) 16 01 03 - end-of-life tyres	Q1: Q2: Q3:	1.64 1.81 2.18	0.00 0.00 0.00	1.64 1.80 1.64	100% 100% 75%	100% 100% 100%	9.05	0.00	6.40	71%	100%
		The second secon		Q4:	3.42	0.00	1.32	39%	100%					
Hardcore	(R13) 17 01 07 - mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 05	n/a	(ROS) 17 O1 07 - mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 05	Q1: Q2: Q3: Q4:	675.52 1567.84 1664.38 959.36	0.00 0.00 0.00 0.00	668.08 1,485.18 1,817.68 980.90	99% 95% 109% 102%	100% 100% 100% 100%	4,867.10	0.00	4,951.84	102%	100%
Plasterboard	• (R13) 20 03 07 - bulley waste	n/a	(R03) 17 08 02 - gypsum-based construction materials other	Q1:	105.66	0.00	105.66	100%	100%	1	9	- 20		
	(R13) 17 08 02 - gypsum-based construction materials other than those mentioned in 17 08 01		than those mentioned in 17 08 01	Q2: Q3: Q4:	57.60 0.00 0.00	0.00	57.58 0.00 0.00	100% 0%	100% 0%	163.25	0.00	163.24	100%	100%
Seneral Waste -		n/a	(R01) 191212 - other wastes (including mixtures of	Q1:	3079.63			100%	100%		19		93	
non bulky (ie. MRF reject)	materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 • (R13) 20 03 01 - mixed municipal waste		materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	Q2: Q3: Q4:	2801.70 2765.67 2339.26	0.00 0.00 0.00	2,801.74 3,116.84 2,339.18	100% 113% 100%	100% 100% 100%	10,986.27	0.00	11,337.50	103%	100%
Glass	• (R13) 20 01 02 - glass	n/a	(R05) 19 12 05 - glass	01:	205.08	0.00	321.16 398.18	157%	100%					
			1 Can	Q2: Q3: Q4:	320.94 312.46 325.72	0.00 0.00 0.00	398.18 355.82 298.24	124% 114% 92%	100% 100% 100%	1,164.20	0.00	1,373.40	118%	100%
Large Domestic		n/a	(R04) 20 01 23* - discarded equipment containing	Q1:	71.74		71.76	100%	100%		1			
Appliances - Chilled	(R13) 20 01 23* - discarded equipment containing chlorofluorocarbons		chlorefluorocarbons	Q2: Q3: Q4:	77.60 62.14 42.74	0.00 0.00 0.00	77.62 62.14 39.80	100% 100% 93%	100% 100% 100%	254,23	0.00	251.32	99%	100%
Televisions	• (R13) 20 03 07 - bulky waste	n/a	(RDS) 20 01 35* - discarded electrical and electronic	Q1:	7.21	0.00	7.20	100%	100%				17.7	
(including monitors)	The standard standard from the standard	-204	equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components(6)	Q3: Q4:	5.42 2.39 3.90	0.00 0.00 0.00	5.40 2.40 3.90	100% 100%	100% 100% 100%	18.92	0.00	18.90	100%	100%
Small Domestic		n/a	(R04) 20:01:36 - discarded electrical and electronic	Q1:	2.04	0.00	2.04	100%	100%	2		300	(8)	
Appliances	 (R13) 20 01 36 - discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35 		equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	Q3: Q4:	2.32 0.00 3.00	0.00 0.00 0.00	3.40 0.00 4.62	147% 0% 154%	100% 0% 100%	7.36	0.00	10.06	137%	100%
Treated Wood		n/a	(R03) 20 01 38 - wood other than that mentioned in 20 01 37		1204.11	0.00		100%	100%	la de la composition della com			# # # # # # # # # # # # # # # # # # #	
h.: 117	(R13) 20 01 38 - wood other than that mentioned in 20 01 37			Q2: Q3: Q4:	1598.79 1397.02 1066.08	0.00 0.00	1,598.80 1,387.38 1,063.14	100% 99% 100%	100% 100% 100%	5,266.00	0.00	5,248.40	100%	100%
Hard Plastic		n/a	(R03) 20 01 39 - plastics	Q1:	6.81	0.00	6.82	100%	100%		3)	39		
	• (R13) 20 01 39 - plastics		1 100	Q2: Q3: Q4:	24.53 16.93 9.44	0.00 0.00 0.00	24.52 16.94 9.44	100% 100% 100%	100% 100% 100%	57.71	0.00	57.72	100%	100%
		n/a	(R04) 20 01 40 - metals	Q1:	30.86	0.00	30.88	100%	100%			-	-	
Ferrous	(R13) 20 01 40 - metals			Q2: Q3: Q4:	32.27 16.79 14.48	0.00 0.00 0.00	32.28 16.80 14.48	100% 100%	100% 100% 100%	94.41	0.00	94.44	100%	100%
Hygiene Waste	(R13) 20 01 99 - other fractions not otherwise specified	n/a	(RDS) 20 01 99 - other fractions not otherwise specified	Q1: Q2:	341.44 322.40	0.00	332.28 339.22	97% 105%	100% 100%	1.089.14	0.00	1,116.82	103%	100%
		o		Q3: Q4:	310.58 114.72	0.00	323.02 122.30	104%	100% 100%	2,007.24	0.00	2,110.02	103%	100%
General Waste om trade sorting	(R13) 20 03 01 - mixed municipal waste	n/a	(R01) 20 03 01 - mixed municipal waste	Q1: Q2:	392.17 94.92	0.00	392.30 95.00	100%	100% 100%			52250	1002207	0000000
area				Q3: Q4:	64.34 35.86	0.00	64.34 35.72	100%	100% 100%	587.29	0.00	587.36	100%	100%
ommercial Post Sort	(R13) 20 03 01 - mixed municipal waste (R13) 20 01 01 - paper and cardboard	n/a	(R12) 20 03 01 - mixed municipal waste	Q1: Q2:	1,507.52	0.00	1,507.24	100%	100% 100%	Same	15255V	X255 (2000)	0.000	1000000
	A.S.			Q3:	1,232,03	0.00	1,231.94	100%	100%	6,652.98	0.00	6,652.50	100%	100%

WTS 2023

Stream name	Incoming codes	Outgoing disposal code	Outgoing recovery code	Ц	Tonnes received	Tonnes disposed	Tonnes recovered	Proportion removed	Recovery rate	Tonnes received	Tonnes disposed	Tonnes recovered	Proportion removed	Recover
Mattresses	(R13) 20 03 01 - mixed municipal waste	n/a	(R03) 20 03 01 - mixed municipal waste	Q1	34.42	0.00	34.38	100%	100%					
	77.4		2.00	Q2:	45.57	0.00	45.58	100%	100%	139.53	0.00	139.07	100%	100%
				Q3:	34.40	0.00	34.27	100%	100%	139.33	0.00	139.07	100%	100%
				Q4:	25.14	0.00	24.84	99%	100%					1
Mixed General	(R13) 20 03 07 - bulky waste	n/a	(R01) 20 03 07 - bulky waste	Q1:	622.86	0.00	699.76	112%	100%					
Waste - Bulky	(R13) 20 03 01 - mixed municipal waste		BXX 644 - FW	Q1:	639.24	0.00	786.28	123%	100%	2,035.58	0.00	2,340.66	115%	100%
containing POPs	(R13) 20:01 36 - discarded electrical and electronic			Q3:	403.79	0.00	419.28	104%	100%	2,033.30	0.00	2,340.00	14.3%	100%
*	equipment other than those mentioned in 20 01 21, 20 01 23			Q4:	369.69	0.00	435.34	118%	100%					_
Mechanical	(R13) 20 03 03 - street-cleaning residues	n/a	(R03) 20 03 03 - street-cleaning residues	Q1:	587.36	0.00	384.08	65%	100%			T'		
Sweepings				Q2:	765.68	0.00	496.36	65%	100%	3,116.48	0.00	2,080.88	67%	100%
5333059030	engt.			Q3:	663.01	0.00	456.72	69%	100%	3,116.48	0.00	2,080.88	67%	100%
	ļ,			Q4:	1,100.43	0.00	743.72	68%	100%			-		
Plasterboard	+ (R13) 20 03 07 - bulky waste	n/a	(R13) 17 08 02 - gypsum-based construction materials other	Q1:	0.00	0.00	0.00	0%	DN			99		-
moved between	. (R13) 17 08 02 - gypsum-based construction materials other	than those mentioned in 17 08 01	Q2:	61.08	0:00	61.08	100%	100%	251.52	0.00	251.62	100%	100%	
sites	than those mentioned in 17 08 01			Q3:	96.58	0.00	97.60	101%	100%	*****	0.00		100.0	100%
9				Q4:	93.86	0.00	92.94	99%	100%	_		-		
Gas Bottles	• (R13) 20 03 07 - bully waste	n/a	(R11) 16 05 04 - gases in pressure containers (including	Q1:	0.00	0.00	0.00	0%	0%					
			halons) containing dangerous substances - below threshold	Q2:	0.00	0.00	0.00	0%	0% 0% 100%	0.17	0.00	0.18	107%	100%
			D 35 35	Q3:	0.17	0.00	0.18	107%	100%	0.17	wan	0.10	107%	100%
				Q4:	0.00	0.00	0.00	0%	DN.				-	1
Scrap Metal -	(R13) 20 03 07 - bulky waste	n/a	(R04) 19 12 02 - ferrous metal	Q1	0.00	0.00	0.00	0%	0%					100
Ferrous		02: 0.00 0.00 0.00	0%	0%	3.08	0.00	3.08	100%	100%					
				Q3:	0.00	0.00	0.00	0%	0%	3.08	0.00	3.08	100%	100%
				04:	3.08	0.00	3.08	100%	100%	100			4	

Lamby Way 2023

Stream name	Incoming codes	Outgoing disposal code	Outgoing recovery code		Tonnes received	Tonnes disposed	Tonnes recovered	Proportion removed	Recovery rate	Tonnes received	Tonnes disposed	Tonnes recovered	Proportion: removed	Recover
Ink and Toner	+ (R13) 08 03 17* - waste printing toner containing dangerous	n/a	(R03) 08 03 17* - waste printing toner containing dangerous	Q1:	0.16	0.00	0.16	100%	100%	11		-	7	
Cartridges	substances		substances	QZ:	0.14		0.14	100%	100%	0.54	0.00	0.54	100%	100%
				Q3:	0.00		0.00	0%	0%	1000		- 550	2000	
	I.			Q4:	0.24	0.00	0.24	100%	100%				de la companya de la	(8)
Mineral Oils	• (R13) 13 02 D8* - other engine, gear and lubricating oils	n/a	(RO9) 13 02 08* - other engine, gear and lubricating oils	Q1:	1.22		1.22	100%	100%	-			T T	
				Q2:	3.78		3.78	100%	100%	8.34	0.00	8.34	100%	100%
				Q3:	1.68		1.68	100%	100%		7/2920	0.00000	10.000000	SIME
				1000		0.007	755	20011	200.0	85	19	100	800	9)
Gas Bottles		n/a	(R11) 16 05 04 - gases in pressure containers (including	Q1:	0.80	0.00	0.80	100%	100%					
	halons) containing dangerous substances - below threshold		halons) containing dangerous substances - below threshold	Q2:	3.04	0.00	3.04	100%	100%	6.62	0.00	6.62	100%	100%
			11.50	Q3:	1.40		1.40	100%	100%		10.0000	11000000	21.40/10/2	1500000
				-						111				
Hardcore	(R13) 17 01 07 - mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	in/a	(R13) 17 01 07 - mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	Q1:	340.14 708.80	0.00	340.14 708.80	100%	100%					
	ceramics other than those mentioned in 17 01 06		ceramics other than those mentioned in 17 01 06	Q3:	550.12	0.00	550.12	100%	100%	1,940.28	0.00	1,940.28	100%	100%
				Q4:	341.22		341.22	100%	100%					
		-2		los.	24.62	0.00	24.42	1000	10mir					
Plasterboard	(R13) 17 08 02 - gypsum-based construction materials other than those mentioned in 17 08 01	nya	(R13) 17 08 02 - gypsum-based construction materials other than those mentioned in 17 08 01	Q1:	31.62 40.62	0.00	31.62 40.62	100%	100%					
	than those mendured in 17 de Q1		man mose mendoned in 17 de d1	Q3:	33.80	0.00	33.80	100%	100%	135.92	0.00	135.92	100%	100%
				Q4:	29.88		29.88	100%	100%					
Composite	+ (R13) 19 12 12 - other wastes (including mixtures of	n/a	(R03) 19 12 12 - other wastes (including mixtures of	Q1:	0.84	0.00	0.84	100%	100%					
Packaging	materials) from mechanical treatment of wastes other than	N-2	materials) from mechanical treatment of wastes other than	Q2:	0.76		0.76	100%	100%	0.0245.00	1790000	F-9700F	0.0354.05	10034400
(Tetrapak)	those mentioned in 19 12 11		those mentioned in 19 12 11	Q3:	0.44	0.00	0.44	100%	100%	2.38	0.00	2.38	100%	100%
				Q4:	0.34		0.34	100%	100%					
Paper &	(R13) 20 01 01 - paper and cardboard	n/a	(R13) 20 01 01 - paper and cardboard	Q1:	58.36	0.00	58.36	100%	100%	9	10			
Cardboard	TANKS OF SELECTION		(1.1.1 1.1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	Q2:	64.48	0.00	64.48	100%	100%	1002203	11/2/22/21	raybeth.	(10450)	972222
				Q3:	63.62	0.00	63.62	100%	100%	256.90	0:00	256.90	100%	100%
				Q41	70.44	0.00	70.44	100%	100%					
type name here	(R13) 20 01 01 - paper and cardboard	n/a	(R11) 20 01 01 - paper and cardboard	Q1:	11 30	0.00	11.30	100%	100%		100			
appendix none	The state of the s		, , , , , , , , , , , , , , , , , , , ,	Q2:	0.00	0.00	0.00	0%	D%	24.50	0.00	24.50	100%	100%
				Q3:	13.20	0.00	13.20	100%	100%	24.30	0.00	24.50	200%	100%
				Q4:	0.00	0.00	0.00	0%	0%				1/2 1	
Carpets	• (813) 20 01 11 - textiles	n/a	(ROS) 20 01 11 - textiles	Q1:	79.52	0.00	79.52	100%	100%					
				Q2:	89.64	0.00	89.64	100%	100%	355.28	0.00	355.28	100%	100%
				Q3:	94.18	0.00	94.18	100%	100%	353.28	0.00	333.28	20096	100%
	9			Q4:	91.94	0.00	91.94	100%	100%					9
Textiles & Shoes	+ (R13) 20 01 11 - textiles	n/a	(RO3) 20 01 11 - taxtiles	Q1:	27.16	0.00	27.16	100%	100%					i i
			NATA PRODUCT A CONTRACT	Q2:	32.48	0.00	32.48	100%	100%	121.72	0.00	123.72	100%	100%
				Q3:	33.02	0.00	33.02	100%	100%	121.72	0.00	122.72	100%	100%
•				Q4:	29.06	0.00	29.06	100%	100%					
lubrescent Tubes	(R13) 20 01 21* - fluorescent tubes and other mercury-	n/a	(RDS) 20 01 21* - fluorescent tubes and other mercury-	Q1:	0.28		0.28	100%	100%	***				
	containing waste		containing waste	Q2:	0.26	0.00	0.26	100%	100%	1.20	0.00	1.20	100%	100%
				Q3:	0.30	0.00	0.30	100%	100%					
2	L	Same .		104:	0.36	D:00	0.36	100%	100%	rgi .	(le	ale .	200	02
Large Domestic		n/a	(R04) 20 01 23* - discarded equipment containing	Q1:	11.20		11.20	100%	100%					
Appliances -	chlorofluorocarbons		chlorofluorocarbons	Q2:	10.92	0.00	10.92	100%	100%	50.80	0.00	50.80	100%	100%
Chilled				Q3:	12.62	0.00	12.62 16.06	100%	100% 100%	F880.345	1,00000	2777	15-340000	
3	7	2	<u> </u>	10000	2000	0.00	20.00	100/10	COVIDE N	10	100	86	# I	6
Vegetable Oils	(R13) 20 01 25 - edible oil and fat	n/a	(R09) 20 01 25 - edible oil and fat	Q1:	0.54	0.00	0.54	100%	100%			ii		
				Q2:	0.54	0.00	0.54	100%	100%	2.12	0.00	2.12	100%	100%
				Q3:	0.60	0.00	0.60	100%	100%	FERTINGS.	11577.86	107/200	(- 175 C	
					0.44	0.00	0.44	100%	100%				to a	

Lamby Way 2023

Stream name	Incoming codes	Outgoing disposal code	Outgoing recovery code	Tonno	17 2000	Tonnes	Proportion removed	Recovery rate	Tonnes received	Tonnes disposed	Tonnes recovered	Proportion removed	Recovery
Mixed Paints	(R13) 20 01 27* - paint, inks, adhesives and resins containing dangerous substances	n/a	(R13) 20 01 27* - paint, inks, adhesives and resins containing Q dangerous substances	2: 28 3: 17	84 0.00 08 0.00 40 0.00	28.08 17.40	100% 100% 100%	100% 100% 100%	75.12	0.00	75.12	300%	100%
8				4: 16	80 0.00	16.80	100%	100%					
Batteries	(813) 20 01 33* - batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries.	n/a	(R04) 20 01 33* - batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	2: 6 3: 3	98 0.00 18 0.00 60 0.00 66 0.00	fi 18 3.60	100% 100% 100% 100%	100% 100% 100% 100%	19.42	0.00	19.42	100%	100%
Televisions (including monitors)	(R13) 20 01 35" - discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components(6)	0/2	(R05) 20.01.35* - discarded electrical and electronic equipment other than those mentioned in 20.03.21 and 20.01.02 containing hazardous components(6)	2: 22	02 0.00 16 0.00 58 0.00 14 0.00	22.16	100% 100% 100% 100%	100% 100% 100% 100%	76.90	0.00	76.90	100%	100%
Small Domestic Appliances	(R13) 20 01 36 - discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	n/a		2: 85 3: 79	54 0.00 24 0.00 90 0.00 04 0.00	85.24 79.90	100% 100% 100% 100%	100% 100% 100%	303.72	0.00	303.72	100%	100%
Treated Wood	(R13) 20:01 38 - wood other than that mentioned in 20:01 37	n/a	0	2: 664	40 0.00 86 0.00	664.40 593.86	100% 100% 100% 100%	100% 100% 100%	2,180.67	0.00	2,180.67	100%	100%
Hard Plastic	• (R13) 20 01 39 - plastics	o/a :	(RO3) 20 01 39 - plastics	2: 114 3: 72		114.02	100% 100% 100% 100%	100% 100% 100% 100%	308.44	0.00	308.44	100%	100%
Metal	(R13) 20 01 40 - metals	n/a	9	1: 107 2: 167 3: 122 4: 103	52 0.00 52 0.00	167.62	100% 100% 100% 100%	100% 100% 100% 100%	500.96	0.00	500.96	100%	100%
Green Waste	(R13) 20 02 01 - biodegradable waste	0/2	(803) 20 02 01 - biodegradable waste		28 0.00 00 0.00 00 0.00 00 0.00	0.00	100% 0% 0% 0%	100% 0% 0% 0%	94.28	0.00	94.28	100%	100%
General Waste	(R13) 20 03 01 - mixed municipal waste	n/a	(R01) 20 03 01 - miwed municipal waste	2: 0 3: 0	66 0.00 00 0.00 00 0.00	0.00	100% 0% 0% 0%	100% 0% 0%	77.66	0.00	77.66	100%	100%
Mattresses	(R13) 20 03 01 - mixed municipal waste	n/a	(R03) 20 03 01 - mixed municipal waste	2: 26	30 0.00 18 0.00	26.30 29.18	100% 100% 100% 100%	100% 100% 100% 100%	112.74	0.00	112.74	100%	100%
Mixed General Waste - Bulky containing POPs	(R13) 20 03 07 - bulky waste	0/2	(R01) 20 03 07 - bulky waste Q	1: 155 2: 330 3: 302 4: 273	00 0.00 14 0.00	330.00 302.14	100% 100% 100% 100%	100% 100% 100% 100%	1,064.72	0.00	1,064.72	100%	100%
Mixed General Waste - Bulky containing POPs	(R13) 20 03 07 - bulky waste	1/2	(R13) 20 03 07 - bulky waste	2: 0 3: 0	44 0.00 00 0.00 00 0.00 40 0.00	0.00	100% 0% 0% 100%	100% 0% 0% 100%	8.84	0.00	8.84	100%	100%
Tyres	+ (R13) 16 01 03 - and-of-life tyres	n/a	(R03) 16 01 03 - end-of-life tyres	3: 0	00 0.00 64 0.00 00 0.00 58 0.00	11.64	0% 100% 0% 100%	0% 100% 0% 100%	17.22	0.00	17.22	100%	100%

Lamby Way 2023

Stream name	Incoming codes	Outgoing disposal code	Outgoing recovery code		Tonnes received	Tonnes disposed	Contract of the last	Proportion removed	Recovery rate	Tonnes received	Tonnes disposed	Tonnes recovered	Proportion removed	March Control of the
17														
Wixed Media	 (R13) 20 01 01 - paper and cardboard 	n/a	(R11) 20 03 01 - mixed municipal waste	Q1:	0.00	0.00	0.00	0%	0%					
	+ (R13) 20 03 01 - mixed municipal waste	201 ::		Q2: Q3: Q4:	11.84	0.00	11.84	100%	100%	22.78	0.00	22.78	100%	100%
				Q3:	0.00	0.00	0.00	0%	0%	24.70	0.00	22.70	20000	100%
		4		Q4:	10.94	0.00	10.94	100%	100%			1	1	1
													•	•
Green Waste	(R13) 20 02 01 - biodegradable waste	e/a	(R13) 20 02 01 - biodegradable waste	Q1: Q2: Q3: Q4:	0.00	0.00	0.00	.0%	0%					
		D0221	Control of the Contro	02:	172.72	0.00	172.72	100%	100% 100%	502.74	0.00	502.74	100%	100%
				Q3:	137.80	0:00		100% 100%	100%	302.74	0.00	502.74	100%	100%
				Q4:	192.22	0.00	192.22	100%	100%					
		W	Ÿ	1600		10000						10	(0)	
Mixed Recyclables	(R13) 20 03 01 - mixed municipal waste	0/2	(R13) 20 03 01 - mixed municipal waste	Q1:	0.00	0.00	0.00	0%	0%					
ATTO STATE STATE		90.00	THE PERSON AND THE PROPERTY INCOMES	Q1: Q2:	2.16				100%	32 20	0.00	32 20		100%
				Q3:	3.62	0.00	3.62	100%	100%	32.20	0.00	52.20	100%	100%
				OA:	26.42	0.00	26.42	100%	100%					

Bessemer Close 2023

Stream name	Incoming codes	Outgoing disposal code	Outgoing recovery code		Tonnes received	Tannes disposed	Tonnes recovered	Proportion removed	Recovery rate	Tonnes received	Tonnes disposed	Tonnes recovered	Proportion removed	Recovery rate
ink and Toner Cartridges	(R13) 20 03 01 - mixed municipal waste (R13) 08 03 17* - waste printing toner containing dangerous substances	e/a	(R03) 08 03 17* - waste printing toner containing dangerous substances	Q1: Q2: Q3: Q4:	0.14 0.18 0.00 0.12	0.00	0.18	100% 100% 0% 100%	100% 100% 0% 100%	0.44	0.00	0.44	100%	100%
Mineral Oils	(R13) 20 03 01 - mixed municipal waste (R13) 13 02 08* - other engine, gear and lubricating oils	n/a	(RO9) 13 02 08* - other engine, gear and lubricating oils	Q1: Q2: Q3: Q4:	1.26 2.42 1.17 1.34	0.00 0.00 0.00	1.22 2.42 1.12	96% 100% 100% 100%	100% 100% 100% 100%	6.14	0.00	6.10	99%	100%
Tyres	(R13) 20 03 01 - mixed municipal waste	n/a	(R03) 16 01 03 - end-of-life tyres	Q1: Q2: Q3: Q4:	4.64 0.00 0.00 0.00	0.00	0.00	97% 0% 0% 0%	100% 0% 0% 0%	4.64	0.00	4.52	97%	100%
Gas Bottles	(R13) 16:05:04 - gases in pressure containers (including halons) containing dangerous substances - below threshold	n/a	(R11) 16 05 04 - gases in pressure containers (including halons) containing dangerous substances - below threshold	Q1: Q2: Q3: Q4:	0.74 0.78 0.80 0.50	0.00	0.78 0.80	35% 100% 100% 100%	100% 100% 100%	2.82	0.00	2.34	83%	100%
Hardcore	(813) 20 03 01 - mixed municipal waste (813) 17 01 07 - mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06 (813) 20 03 07 - bulky waste	e/a	(RDS) 17 01 07 - mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	Q1: Q2: Q3: Q4:	759.77 921.61 758.09 656.38	0.00 0.00 0.00 0.00	921.62 763.04	100% 100% 101% 100%	100% 100% 100% 100%	3,095.86	0.00	3,098.14	100%	100%
Asbestos		(D05) 17 06 05* - construction materials containing asbestos	n/a:	Q1: Q2: Q3: Q4:	0.00 0.00 0.00	0.00	0.00	0% 0% 0% 0%	0% 0% 0%	0.00	0.00	0.00	0%	DY6
Plasterboard	(R13) 20 03 01 - mixed municipal waste (R13) 17 08 02 - gypsum-based construction materials other than those mentioned in 17 08 01 (R13) 20 03 07 - bully waste	n/a	(R13) 17 08 02 - gypsum-based construction materials other than those mentioned in 17 08 01	Q1: Q2: Q3: Q4:	65.43 66.29 62.33 63.98	0.00	65.28 62.78	100% 100% 101% 100%	100% 100% 100% 100%	258.02	0.00	258.30	100%	100%
Composite Packaging (Tetrapak)	(R13) 19 12 12 - other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	n/a	(R03) 19 12 12 - other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	Q1: Q2: Q3: Q4:	0.20 0.38 0.40 0.34	0.00	0.38	230% 100% 100% 100%	100% 100% 100% 100%	1.32	0.00	1.58	120%	100%
Paper & Cardboard	(R13) 20:01:01 - paper and cardboard (R13) 20:03:07 - bulky waste	0/2	(R13) 20 01 01 - paper and cardboard	Q1: Q2: Q3: Q4:	64.22 74.32 89.42 88.06	0.00	74.06 90.70	100% 100% 101% 100%	100% 100% 100% 100%	316.01	0.00	317.04	100%	100%
Mixed Media (Books & CDs)	(R13) 20 01 01 - paper and cardboard (R13) 20 03 07 - bulky waste	o/a	(R11) 20 01 01 - paper and cardboard	Q1: Q2: Q3: Q4:	3.42 8.53 10.44 9.10	0.00	8.52 10.58	260% 100% 101% 100%	100% 100% 100% 100%	31.49	0.00	37.10	118%	100%
Carpets	• (813) 20 01 11 - textiles	n/s :	(ROS) 20 01 11 - textiles	Q1: Q2: Q3: Q4:	76.53 77.76 84.28 82.58	0.00	77.76 84.28	94% 100% 100% 100%	100% 100% 100% 100%	321.15	0.00	316.20	98%	100%
Textiles & Shoes	• (R13) 20 01 11 - textiles	n/z	(RO3) 20 01 11 - textiles	Q1: Q2: Q3: Q4:	5.77 20.58 21.40 18.62	0.00	21.40	293% 100% 100% 100%	100% 100% 100% 100%	66.37	0.00	77.52	117%	100%
luorescent Tubes	(813) 20 01 21* - fluorescent tubes and other mercury- containing waste	n/a	(R05) 20 01 21* - fluorescent tubes and other mercury- containing waste	Q1: Q2: Q3: Q4:	0.22 0.22 0.28 0.22	0.00	0.22	127% 100% 100% 100%	100% 100% 100% 100%	0.94	0.00	1.00	106%	100%

Bessemer Close 2023

Stream name	Incoming codes	Outgoing disposal code	Clutgoing recovery code		Tonnes received	Tonnes disposed	Tonnes recovered	Proportion removed	Recovery rate	Tonnes received	Tonnes disposed	Tonnes recovered	Proportion removed	Recover
Large Domestic Appliances - Chilled	(R13) 20 01 23* - discarded equipment containing chlorefluorocarbons (R13) 20 03 07 - bulky waste	0/2	(R04) 20.01.23* - discarded equipment containing chlorofluorocarbons	Q1: Q2: Q3: Q4:	15.24 21.32 21.67 23.46	0.00	13.78 19.28 21.93 20.62	90% 101%	100% 100% 100%	81.69	0.00	75.61	93%	100%
Vegetable Oils	(R13) 20 01 25 - edible oil and fat	n/a	(R09) 20 01 25 - edible oil and fat	Q1: Q2: Q3: Q4:	0.84 10.94 0.50 0.38	0.00	0.22 10.94 0.50 0.38	100%	100% 100% 100% 100%	12.66	0.00	12.04	95%	100%
Mixed Paints	(R13) 20 01 27* - paint, inks, adhesives and resins containing dangerous substances	e/a	(R13) 20 01 27* - paint, inks, adhesives and resins containing dangerous substances	Q1: Q2: Q3: Q4:	11.20 24.28 15.38 10.98	0.00 0.00 0.00 0.00	12.50 24.28 15.38 10.98	100% 100%	100% 100% 100% 100%	61.84	0.00	63.14	102%	100%
	(R13) 20 01 33* - batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and uncorted batteries and accumulators containing these batteries	6/2	(R04) 20 01 33* - batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and uncorted batteries and accumulators containing these batteries	Q1: Q2: Q3: Q4:	3.02 5.26 2.32 3.78	0.00	2.32 5.26 2.32 3.78	100%	100% 100% 100% 100%	14.38	0.00	13.68	95%	100%
Televisions (including monitors)	(R13) 20 03 01 - mixed municipal waste (R13) 20 03 35" - discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components(6)	n/a	(R05) 20 01 35* - discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components(6)	Q1: Q2: Q3: Q4:	21.77 20.06 30.32 23.88	0.00 0.00 0.00 0.00	21.64 20.06 23.16 19.46	100% 76%	100% 100% 100% 100%	96.03	0.00	84.32	88%	100%
Small Domestic Appliances	(R13) 20 03 01 - mixed municipal waste (R13) 20 03 36 - discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	n/a	(R04) 20.01.36 - discarded electrical and electronic equipment other than those mentioned in 20.01.21, 20.01.23 and 20.01.35	Q1: Q2: Q3: Q4:	65.53 73.38 71.28 62.60	0.00 0.00 0.00 0.00	65.38 72.62 63.92 57.66	99% 90%	100% 100% 100% 100%	272.79	0.00	259.58	95%	100%
Treated Wood	(R13) 20 03 01 - mixed municipal waste (R13) 20 01 38 - wood other than that mentioned in 20 01 37 (R13) 20 03 07 - bulky waste	n/a	(R13) 2001 38 - wood other than that mentioned in 2001 37	Q1: Q2: Q3: Q4:	721.70 869.55 764.67 580.76	0.00 0.00 0.00 0.00	719.42 869.54 766.66 580.76	100% 100%	100% 100% 100% 100%	2,936.68	0.00	2,936.38	100%	100%
Hard Plastic	(R13) 20 03 01 - mixed municipal waste (R13) 20 01 39 - plastics	e/# :	(R03) 20 01 39 - plastics	Q1: Q2: Q3: Q4:	39.82 77.32 46.96 32.04	0.00 0.00 0.00 0.00	39.80 77.32 46.96 32.04	100%	100% 100% 100% 100%	195,14	0.00	196.12	100%	100%
Metal	(R13) 20 03 01 - mixed municipal waste (R13) 20 01 40 - metals (R13) 20 03 07 - bulky waste	6/2	(R04) 20 01 40 - metals	Q1: Q2: Q3: Q4:	115.46 157.94 135.20 100.89	0.00	114.90 157.94 133.96 100.88	100% 99%	100% 100% 100% 100%	509.49	0.00	507.68	100%	100%
Green Waste	(R13) 20 03 01 - mixed municipal waste (R13) 20 02 01 - biodegradable waste	n/a	(R03) 20 02 01 - biodegradable waste	Q1: Q2: Q3: Q4:	168.06 0.00 0.00	0.00	167.80 0.00 0.00 0.00	0% 0%	100% 0% 0% 0%	168.06	0.00	167.80	100%	100%
General Waste	(R13) 20 03 01 - mixed municipal waste	n/a	(RD1) 20 03 01 - mixed municipal waste	Q1: Q2: Q3: Q4:	385.50 0.00 0.00 0.00	0.00	385.46 0.00 0.00 0.00	0%	100% 0% 0% 0%	385.50	0.00	385.46	100%	100%
Mattresses	(R13) 20 03 01 - mixed municipal waste	n/a	(R03) 20 03 01 - mixed municipal waste	Q1: Q2: Q3: Q4:	15.88 18.62 22.04 24.54	0.00 0.00 0.00 0.00	15.72 18.62 22.10 24.60	100%	100% 100% 100% 100%	81.08	0.00	81.04	100%	100%
Mechanical Sweepings	(R13) 20 03 03 - street-cleaning residues	o/a :	(RO3) 20 O3 O3 - street-cleaning residues	Q1: Q2: Q3: Q4:	240.66 307.90 289.70 453.76	0.00 0.00 0.00	168.74 209.96 233.84 289.50	68% 81%	100% 100% 100% 100%	1,292.02	0.00	902.04	70%	100%

Bessemer Close 2023

Stream name	Incoming codes	Outgoing disposal code	Outgoing recovery code		Tonnes received	Tonnes disposed	Tonnes recovered	Proportion removed	Recovery rate	Tonnes received	Tonnes disposed	Tonnes recovered	Proportion removed	Recover
Mixed General	+ (R13) 20 03 01 - mixed municipal waste	n/a	(R01) 20 03 07 - bulky waste	01:	507.53	0.00	1,295.28	255%	100%	100	_			
Waste - Bulky	• (R13) 20 03 07 - bulky waste	MEC		Q1:	1.611.68	0.00		106%	100%	1	0.00	Language of		-002222
containing POPs	(R13) 16 01 03 - end-of-life tyres			03:	1,484.97	0.00	1,620.01	109%	100%	4,007.00	0.00	6,030.15	123%	100%
	I Service and the Property of the Control of the Co			Q4:	1,285.67	0.00	1,413.66	110%	100%				,,	
Asbestos	+ (R13) 10 13 09* - waste from the manufacture of asbestos	(DOS) 10 13 09" - waste from the manufacture of asbestos	n/a	Q1:	0.00	0.00	0.00	0%	0%			100		
	cement, containing asbestos	cement, containing asbestos	88570	Q2:	0.98	0.98	0.00	100%	0% 0%	3.32	3.32	0.00	100%	0%
		CONTRACTOR		Q3:	1.40	1.40	0.00	100%	0%	3.32	3.32	0.00	200%	0%
				Q1: Q2: Q3: Q4:	0.94	0.94	0.00	100%	- 0%					
Nitrous Oxide	(R13) 15 01 10* - packagings containing residues of	n/a	(R11) 15 01 10* - packagings containing residues of	Q1:	0.00	0.00	0.00	-0%	0%	100	111111111111111111111111111111111111111	ř – – – – – – – – – – – – – – – – – – –		*
Cannisters	dangerous substances or contaminated by these substances	and the second	dangerous substances or contaminated by these substances	Q1:	0.90	0.00	0.90	100%	100%	0.90	0.00	0.90	100%	100%
Cannisters dan	70		Q3: Q4:	Q3:	0.00	0.00	0.00	0%	0%	0.90	0.00	0.90	100%	100%
				Q4:	0.00	0.00	0.00	0%	0%		25			
Hardcore	(R13) 17 01 07 - mixtures of concrete, bricks, tiles and	11/4	(R13) 17 01 07 - mixtures of concrete, bricks, tiles and	Q1: Q2: Q3: Q4:	0.00		0.00	0%	0%	27			~	
	ceramics other than those mentioned in 17 01 06		ceramics other than those mentioned in 17 01 06	Q2:	69.48	0.00	69.46	100%	100%	69.48	0.00	69.46	100%	100%
	+ (R13) 20 03 07 - bulky waste			Q3:	0.00	0.00	0.00	0%	D%	1137,40	41.04	89.40	4000	20076
	Program service services			Q4:	0.00	0.00	0.00	0%	0%					
Green Waste	(R13) 20 02 01 - biodegradable waste	0/4	(R13) 20 02 01 - biodegradable waste	Q1:	0.00	0.00	0.00	0%	DN	100				
	(R13) 20 03 07 - bulky waste	102	WK K 1 SK K E	Q1: Q2: Q3:	222.05	0.00	222.06	100%	100%		0.00	733.14	99%	100%
				Q3:	270.69	0.00	277.20	102%	100%	7.58.98	0.00	/33.14	99%	100%
				Q4:	246.24	0.00	233.88	95%	100%		-	0		
ixed Recyclables	(R13) 20 03 01 - mixed municipal waste	n/a	(R13) 20 03 01 - mixed municipal waste	Q1:	0.00	0.00	0.00	0%	0%	17				
		-W-		Q1: Q2: Q3: Q4:	0.00	0.00	0.00	0%	0%	17 30 2 3000	0.00	21.64	100%	100%
				Q3:	1.43	0.00	1.40	98%	100%	22.72	0.00	21.04	- 100%	100%
				O4:	20.29	0.00	20.24	100%	100%	1				

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Stream name	Incoming codes	Outgoing disposal code	Outgoing recovery code	Ш	Tonnes received	Tonnes disposed	Tonnes: recovered	Proportion removed	Recovery	Tonnes received	Tonnes disposed	Tonnés recovered	Proportion removed	Recover	
Reject	(R12) 20 03 01 - mixed municipal waste	11/2	(R13) 19 12 12 - other wastes (including mixtures of	Q1:	2,649.80	0.00	2,650.49	100%	100%			-		16	
25,000	(R12) 19 12 12 - other wastes (including mixtures of	188	materials) from mechanical treatment of wastes other than	Q21	2,419.45	0.00	2,597.98	107%	100%	9,289.16	0.00	9,293.39	100%	100%	
	materials) from mechanical treatment of wastes other than		those mentioned in 19 12 11	Q3:	2,249.52	0.00	2,265.70	101%	100%	9,289.16	0.00	9,293.39	100%	100%	
	those mentioned in 19 12 11			Q4:	1,970.39	0.00	1,779.22	90%	100%						
Glass	(R12) 20 03 01 - mixed municipal waste	n/a	(R05) 19 12 05 - glass	01:	2,242.84	0.00	2,242.66	100%	100%	1			-		
		P23	A. MERESTER STATE OFFICIONAL	Q2:	1.896.66	0.00	1,896.42	100%	100%	7.739.07	0.00	7,739.06	100%	1001	
				03:	1,830.32	0.00	1,830.58	100%	100%		0.00	7,739.06	100%	1001	
				Q4:	1,769.25	0.00	1,769.40	100%	100%						
Steel	(R12) 20 03 01 - mixed municipal waste	n/a	(R04) 19 12 02 - ferrous metal	Ot-	274.35	0.00	274.14	100%	100%	1	- 0			-	
SHEET	- MLL 20 03 01 - HORSE HUNCLIPS WASHE	ny-a-	(NO4) 19 12 02 - Nerrolas metal	Q1:	232.52	0.00	232.36	100%	100%	10000000	1.00.000.00	000000		1000	
Janes:				02:	224.24	0.00	224.20	100%	100%	930.17	0.00	929.86	100%	100	
		8					Q3: Q4:	199.07	0.00	199.16	100%	100%		3000000	27000000
Aluminium (+)	(R12) 20 03 01 - mixed municipal waste	(R12) 20 03 01 - mixed municipal waste	n/a	(RD4) 19 12 03 - non-ferrous metal	los.	125.98	0.00	125.58	100%	100%		- 8	[9]	7	g .
Auditiesum	- (KLZ) 20 US UL - mixeu municipai wasse	104	(RD4) 19 12 05 - NON-TERFORE INVEST	Q1:	119 30	0.00	119.66	100%			1000000	500000		100000	
				Q3:	117.83	0.00	117.48	100%	100%	459.77	0.00	459.48	100%	100	
				04:	96.65	0.00	96.76	100%	100%						
			#	192	F-0.00		30.70	200%	20019	21	- 8	- 5			
Plastic	 (R12) 20 03 01 - mixed municipal waste 	n/a	(R03) 19 12 04 - plastic and rubber	Q1	718.61	0.00	718.54	100%	100%						
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.0	Q1: Q2:	699.85	0.00	699.90	100%	100%	2,782.97	0.00	2,783.02	100%	100	
				Q3:	660.57	0.00	660.34	100%	100%	2,702.37	0.00	2,763.02	100%	100	
	A		4	Q4:	703.95	0.00	704.24	100%	100%					115	
aper & Card	(R12) 20 03 01 - mixed municipal waste	n/a	(R03) 1912 01 - paper and cardboard	Q1:	2,277.49	0.00	2,491.79	109%	100%					11.	
	• (R12) 20 01 01 - paper and cardboard	20.01.01 T 200.25	0.00	9,257.27	97%	1005									
				Q3:	2,223.22	0.00	2,058.94	93%	100%	9,535.99	0.00	9,457.27	27%	100	
				04:	2,648.92	0.00	2,475.78	93%	100%						

10. Improvement opportunities over the medium to long term

We have identified a number of improvement opportunities, these have either come about through our Waste Strategy, Workforce Plan, Audits, Assessments and internal performance management meetings, these relate to:

- Addressing stakeholder engagement & communication outcomes i.e. from key surveys and subsequently improving customer satisfaction
- Ensure robust and enhanced business planning and reviews
- Robust management and enhancements to risk register management
- Ensuring delivery of workforce plan actions
- Potential for increasing recycling and quality of materials
- Adoption and reaping of new technology as it emerges
- Develop a more robust Business Continuity Plan
- Continued PAS 402:2013 Accreditation
- Continuing retention of ISO 9001:2015 Quality Management System Standard
- Review Quality Policy to reflect customer expectations
- Improved Depot inspections and checks
- Address any observations and non-conformities identified by Tarian Inspection and NRW Reports

10. Appendix 1 - Associated Evidence

- 1. Recycling Strategy
- 2. Corporate Plan
- 3. Directorate Delivery Plan
- 4. Team Plans
- 5. Workforce Plan
- 6. Quality Manual
- 7. ISO 9001:2015 Certificate
- 8. Health & Safety Action Plan
- 9. Processes, Procedures and Forms
- 10. Risk Assessments
- 11. Safe Systems of Work
- 12. Training Records
- 13. Environmental Permits.
- 14. Risk Register
- 15. Performance outturns
- 16. Weighbridge Calibration Certificates, Tickets and Waste Transfer Notes

See Appendices 2 & 3 for relevant Environmental Permits.