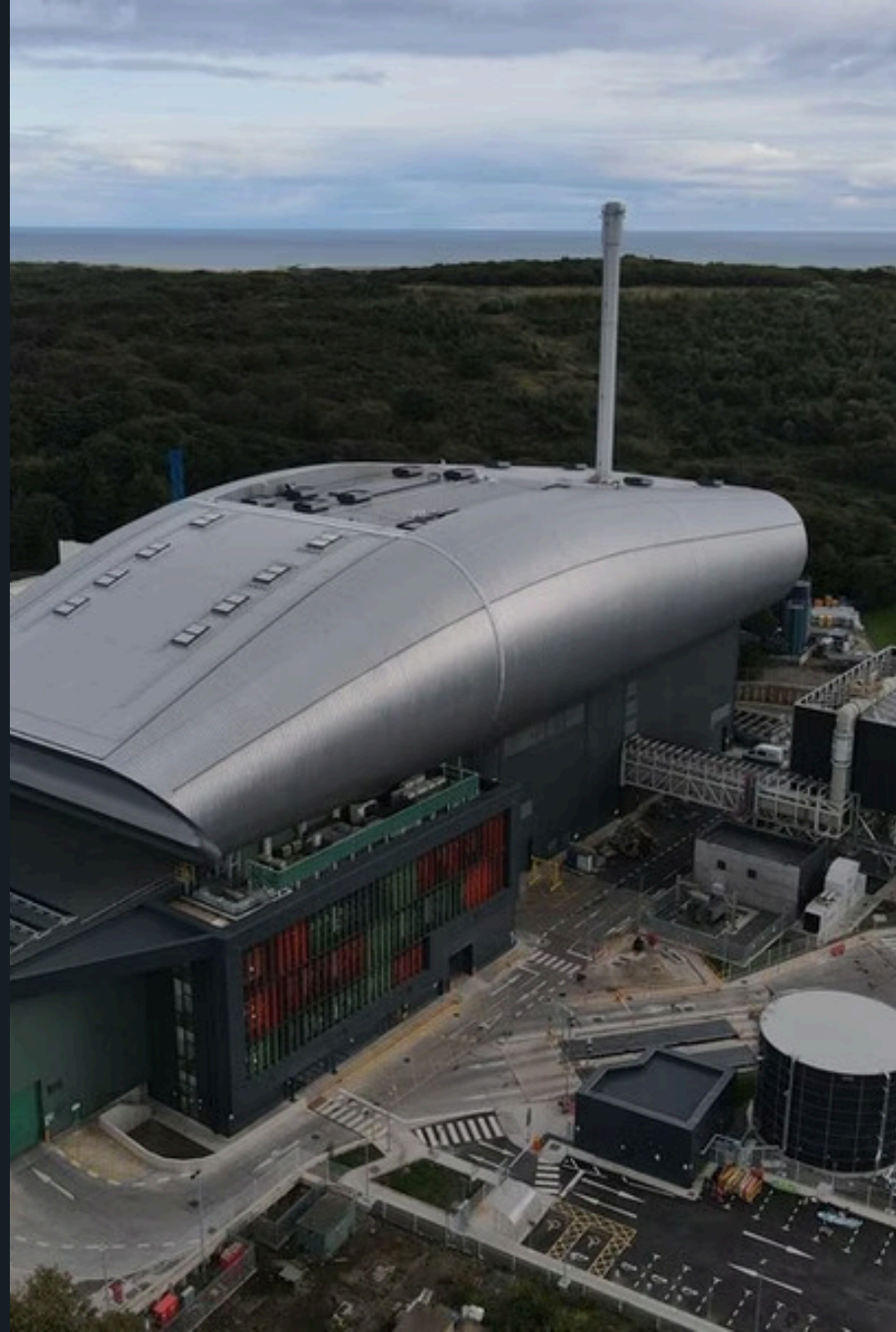
Premium Refuse-Derived Fuel Solutions

PRC Global Services is your trusted partner for consistent, high-performance Refuse-Derived Fuel that powers Waste-to-Energy operations with confidence and efficiency.



Engineered for Performance, Certified for Reliability

Superior RDF Specifications

Our RDF is meticulously processed from carefully selected municipal waste streams to deliver exceptional fuel quality. Each batch is shredded to a precise uniform specification of **<300mm**, ensuring optimal combustion characteristics and handling efficiency. Advanced mechanical sorting removes all metallic contaminants, while our proprietary baling process creates dense, stable fuel packages ideal for storage, transport, and export logistics.

With a reliably high calorific value and exceptionally stable composition, PRC's RDF maximizes energy output while minimizing operational disruptions. Our fuel delivers consistent BTU performance across shipments, enabling precise energy planning and optimized boiler operations.

Rigorous Testing

Every shipment undergoes comprehensive laboratory analysis to verify composition, moisture content, and calorific value against strict specifications.

Transparent Reporting

Complete chain-of-custody documentation and detailed quality certificates accompany each delivery, ensuring full traceability and compliance.

Sustainability Commitment

Our processing diverts waste from landfills while creating clean energy, supporting circular economy principles and carbon reduction targets.

Partner with PRC Global Services for long-term, secure RDF sourcing that reduces contamination risks, ensures dependable supply continuity, and maximizes the energy generation potential of your Waste-to-Energy facility. Our proven track record and unwavering quality standards make us the preferred choice for forward-thinking operations managers.

From Processing to Power Generation

PRC Global Services manages the entire refuse-derived fuel supply chain, from meticulous processing of raw waste materials into high-performance RDF, through secure baling and efficient logistics, to delivery at waste-to-energy facilities for reliable power generation. We ensure a seamless transition from waste to valuable energy, supporting a circular economy.

Unprocessed MSW

Precision Baled RDF

Export-Ready Packaging

Maritime Transport Solutions

Process Flows RDF Production

Purpose

The following outlines the process flow for RDF production.

Explanation

- The RDF size is 300mm or below throughout the production process.
- The RDF Stream is light fraction (Light plastics, cardboard, Paper, Textiles etc)
- The waste stream is predominantly MSW (Black bag waste) from local council contracts.
- POPS is stored and treated separately
- The waste is baled and labelled on site before transportation to Port.

The Municipal Solid Waste (Household) waste is unloaded it is then moved via a material handler grab to the shredder which shreds the waste down to 300mm.

The waste is then moved via a conveyor to a trommel which removes the sub 30m which is stockpiled and loaded into HGV for transportation to Biomass for recycling.

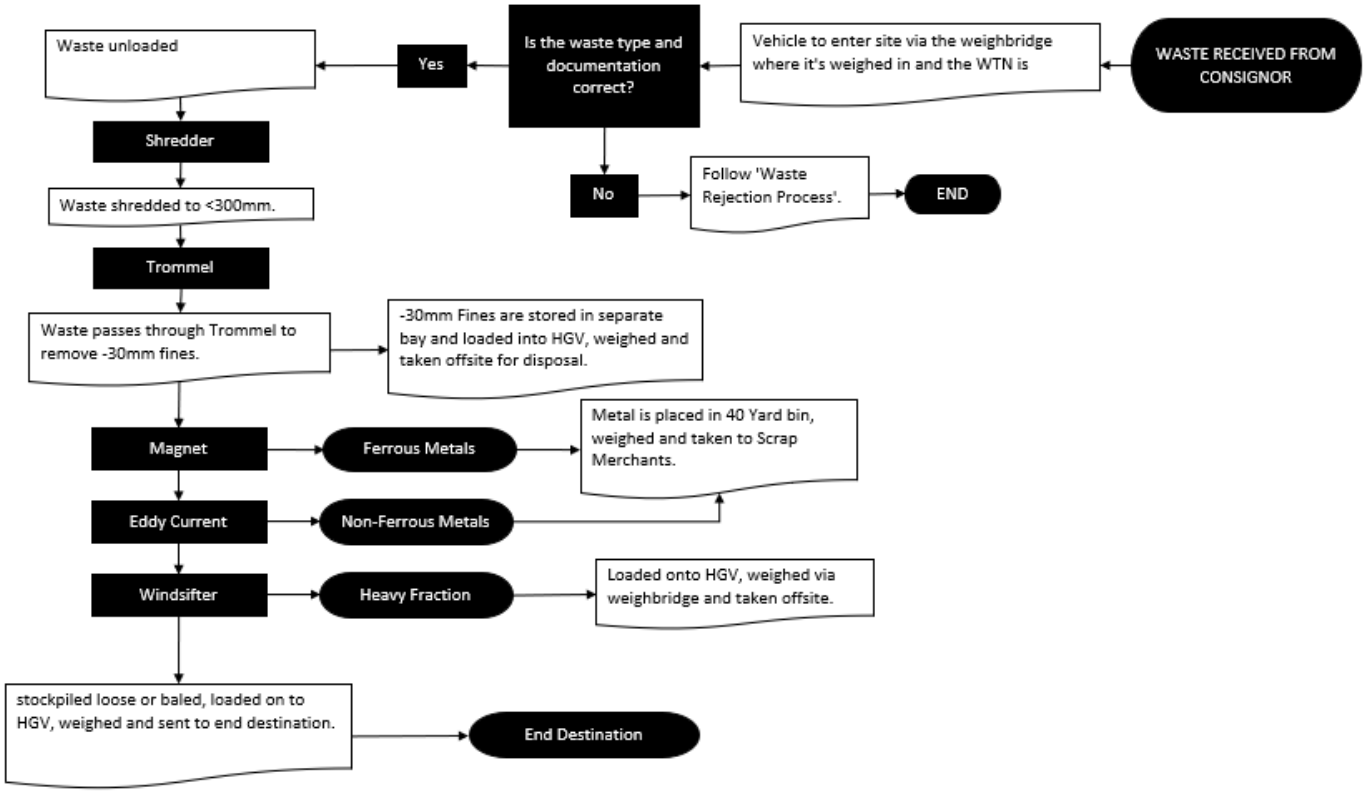
The sur 300mm is then passed under a magnet and eddy current to remove all ferrous & non ferrous metals which is stockpiled and recycled via metal recyclers.

The RDF is then moved to the baling machine by a conveyor where it is then strapped and wrapped and labelled to describe type of waste and date produced.

The Baled RDF is then loaded on to HGV's, weighed via the weighbridge and transported off site.

Process Flows RDF Production

Process flow



Sample ID: 25091076-001

Project Name: Ongoing Compliance Testing
Sample ID: TW593
Fuel Grade: 300mm
Sample Matrix: RDF
Received Date: 08-Sep-2025
Sampling Date(s): 08-Sep-2025 6:51
Sampled By: Customer
Sampling Location: Melton
Prep Location: Renewable Energy - Canal Street - Burton-on-Trent

UKAS TESTING 0001

General Analysis

Analysis	Method Code	Units	A^	As Received	Dry	Dry (Ash Free)
Removed Ash Contributors (Inerts)	SP19	%	U	0.0	-	-
Total Moisture	SP19/CA2	%	U	29.0	-	-
Total Moisture (inc Ash Contributors)	SP19/CA2	%	U	29.0	-	-
Ash (550 °C)	CA3	%	U	9.0	12.6	-
Ash (550 °C inc Ash Contributors)	CA3	%	U	9.0	12.6	-
Sulphur	CA31	%	U	0.11	0.15	0.17
Volatile Matter	CA6	%	U	56.3	79.3	90.7
Volatile Matter (inc Ash Contributors)	CA6	%	U	58.7	-	-
Gross Calorific Value	CA11	kJ/kg	U	16560	23320	26680
Net Calorific Value	CA11	kJ/kg	U	14860	21930	-
Carbon	CA9	%	U	31.16	43.89	50.21
Hydrogen	CA9	%	U	4.54	6.40	7.32
Nitrogen	CA9	%	U	0.64	0.90	1.03
Dry Oxygen	CA0	%	N	-	36.1	-

A^ - Accreditation status, U - UKAS, I - Inspection, N - Not accredited

Elemental Metals

Analysis	Method Code	Units	A^	As Received	Dry	Dry (Ash Free)
Antimony as Sb	SUB010-ADG	mg/kg	N	4.4	6.3	7.2
Arsenic as As	SUB010-ADG	mg/kg	N	1.2	1.7	1.9
Cadmium as Cd	SUB010-ADG	mg/kg	N	<0.3	<0.4	<0.5
Chromium as Cr	SUB010-ADG	mg/kg	N	23.7	33.4	38.3
Cobalt as Co	SUB010-ADG	mg/kg	N	1.3	1.8	2.0
Copper as Cu	SUB010-ADG	mg/kg	N	34.6	48.8	55.8
Lead as Pb	SUB010-ADG	mg/kg	N	18.6	26.1	29.9
Manganese as Mn	SUB010-ADG	mg/kg	N	93.2	131	150
Mercury as Hg	SUB010-ADG	mg/kg	N	<0.1	<0.1	<0.1
Nickel as Ni	SUB010-ADG	mg/kg	N	12.7	17.9	20.5
Thallium as Tl	SUB010-ADG	mg/kg	N	<0.7	<1.0	<1.2
Tin as Sn	SUB010-ADG	mg/kg	N	6.0	8.4	9.7
Vanadium as V	SUB010-ADG	mg/kg	N	4.5	6.4	7.3
Zinc as Zn	SUB010-ADG	mg/kg	N	66.0	92.9	106

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Other Analysis

Analysis	Method Code	Units	A^	As Received	Dry	Dry (Ash Free)
Bromine	SUB040	mg/kg	N	<370	<521	<596
Chlorine	SUB040	%	N	0.21	0.30	0.35
Fluorine	SUB040	mg/kg	N	<296	<417	<477
Iodine	SUB040	mg/kg	N	<74.0	<104	<119

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Composition Analysis

Analysis	Method Code	Units	A^	As Received		
Cardboard	SP30	%	N	0.0	-	-
Paper	SP30	%	N	0.0	-	-
Wood	SP30	%	N	0.0	-	-
Plastic	SP30	%	N	97.0	-	-
Textiles	SP30	%	N	0.0	-	-
Metal	SP30	%	N	0.0	-	-
Hazardous Waste	SP30	%	N	0.0	-	-
Miscellaneous Combustible	SP30	%	N	0.0	-	-
Miscellaneous Non-Combustible	SP30	%	N	0.0	-	-
Plasterboard	SP30	%	N	0.0	-	-
Fines <10mm	SP30	%	N	3.4	-	-

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