



PAS 402:2025

Publicly Available Annual Report

2025

(1st January to 31st December)



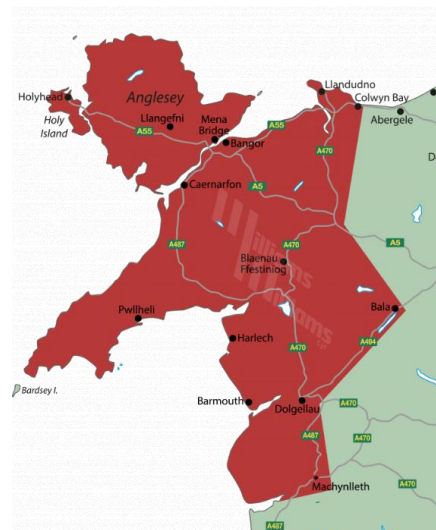
GREEN
COMPASS
Giving Waste Direction

CWMPAWD
GWYRDD
Cyfeirio Gwastraff

Williams a Williams Cyf
Y Ffor
Pwllheli
Gwynedd
LL53 6RF
EPR/VP3494FK/V006
CBDU4966

Foreword

Williams a Williams Cyf was set up in 1920 by two friends both called David Williams, one of which was a great uncle of the present owner. In 1987 the Williams a Williams company consisted of one skip lorry and one tipper lorry. Continued investments over the past years have been made to achieve the present day standing of Williams a Williams Cyf.



Williams a Williams Cyf are based on the Llŷn Peninsula and today specialises in the recycling of building waste, the supply of sand and gravel , recycled aggregates as well as offering an extensive skip hire and wheelie bin waste and segregated collection . Other services provided are sweeper hire , septic tank emptying , drain cleaning and surveys and virgin aggregates .

We are committed to continually improving our environmental, health & safety and quality aspects of our operation by operating to the clauses laid out in PAS 402:2025.

The most significant improvements are in the customers having the WTN by email , when workers were receiving them on site by means of a paper book many never reached their offices so at the end of the month copies had to be made, this delayed payments massively plus additional labour costs and time lost in the office.

We experienced an increase in work and our landfill diversion was 99.75%. The plant saw staff and yard machines separated and the new recycling cabins over the picking line. A new refuse vehicle and 16 Ton skip lorry were added in the reporting year as well as a additional JCB telescopic handler. A Bruce water separation unit was fitted within the aggregate system to clean up the 10/ 50 aggregates.

A new HGV brake tester was installed in the workshop .

This report has been reviewed by Meurig Jones, Director of Williams a Williams Cyf

Signed : M O Jones (Managing Director)

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1 Scope of Operations

Williams a Williams Cyf is a family owned company; we offer skip hire, a public weighbridge and operate a waste transfer station (WTS) from our site in Y Ffor, Pwllheli. We offer waste management and recycling services across the Llŷn Peninsula and North West Wales.

We provide skip hire services to a range of clients ranging from domestic, commercial and industrial premises through to construction and demolition waste. We also accept waste directly onto our site from companies and individuals. Our site Permit allows up to process up to 25,000 tonnes annually.

In addition to our waste management activities we offer hire of road sweepers, jetter drain camera, supply sand and gravel and have a hooklift crusher for hire. None of these services form part of our waste management activities and are not included within the scope of this report.

Investment have been made within the transport fleet and we now operate 3 trailers, 1 hookloader , one skip trailer and a twin bin trailer for longer journeys which cut's down on truck journeys and emissions, we have looked at converting the fleet which are all euro 6 to HVO fuel , and changed the on site fuel bunker for a larger tank but at the moment the cost of the fuel is too high. The reduction in Co2 could be reduced by up to 90% on present levels.

All materials collected via skip hire are returned to our site where they are weighed in . We sort and segregate via a loader, Spaleck screen, density separator and picking station. Segregated materials are sold for reuse and recycling purposes. Materials we are unable to recover are disposed of via RDF (fuel) however landfill is only used when the EFW facility is off line or when we have material which is not acceptable as RDF.

Source segregated material is brought into the yard, weighed and tipped in the recycling shed. This material is put through the equipment including a ballistic separator to take out the fines and sort the 2D and 3D. Cans, both steel and aluminium are taken out and baled separately. All plastics are automatically baled into mill size bales.

Segregated rubble recovered from the picking line is crushed using a Parker jaw crusher , this is then fed into a Powerscreen 600 screener , the materials produced are 40mm to dust which is tested to MOT1 specification, 40 – 60 that is sold as drainage stone and 60 – 100 being ideal hard-core for a base or soak away. 10mm down to dust is also produced from the Spaleck Screener.

Trading in the name of Williams a Williams Cyf, our waste management license (licence no – VP3494 FK) allows us to accept inert, metal, and degradable household, commercial and industrial waste. We are not licensed to accept hazardous waste. Our planning permission reference number for the site is R98D/0327/21/CL.



2 Client Relationship

Williams a Williams Cyf has a wide ranging established client base throughout the North West of Wales. Providing complete customer satisfaction is at the core of our business principles and therefore we pride ourselves on delivering a service that always meets the needs of our clients. All enquiries are dealt with by our professional team who will outline the wastes that we can and cannot accept before providing you with advice on how we can best meet your requirements.

We provide a skip hire service for private, commercial and industrial customers. Various skips are available from open builders skips, enclosed skips for light materials up to roll on off skips. When skips are requested to be placed on the highway, 5 working days notice is needed to obtain a permit from Gwynedd Council an on line application form is filed by us on your behalf. The customer will be notified with what we can and cant accept verbally and electronically via Email

Wheelie bins for general waste and recycling have seen an increase but quality of recyclables especially in Holiday parks have quality issues with emphasis being placed on customers to improve as per Welsh assembly guidelines.

We supply Building sand, concreting sand, all in gravel (for making concrete) as well as various decorative stone and slate are available delivered in a tipper lorry or can be collected from our yard. Sub base, hardcore and drainage stone. Customers are encouraged to use our fully tested recycled materials , both screened and fill soils, crushed MOT2 (40mm down) 40-60mm hardcore (to WRAP protocol) and 6F5 fill material are also available. In 2020 . Chipped hand sorted grade A wood is used as feed stock for our on site biomass unit that heats the waste transfer station and offices. All contaminated wood is sent to a biomass plant with WH Malcolms Ltd providing walking floor haulage.

There is no minimum quantity for materials purchased but delivery charges vary according to the amount required and we can advise you of these at the order stage.

Drain jetting and survey for house purchases are part of the business as well as septic tank emptying but do not form part of the PAS402.

We work closely with many outlets and we process the waste we receive to the spec of the outlet . Any Aggregates we produce follows the end of waste procedures and goes through a strict testing sequence to ensure that the material passes the correct specification.

We are always happy to hear feedback about our services and products from our customers. If we receive any complaints from our customers the appropriate member of our team will liaise with the customer and undertake an investigation into the problem in order to establish a satisfactory outcome for all parties concerned.

With 140 reviews averaging 5 stars on Google highlights our commitment to the business and customers.

3 Impacts and Risks

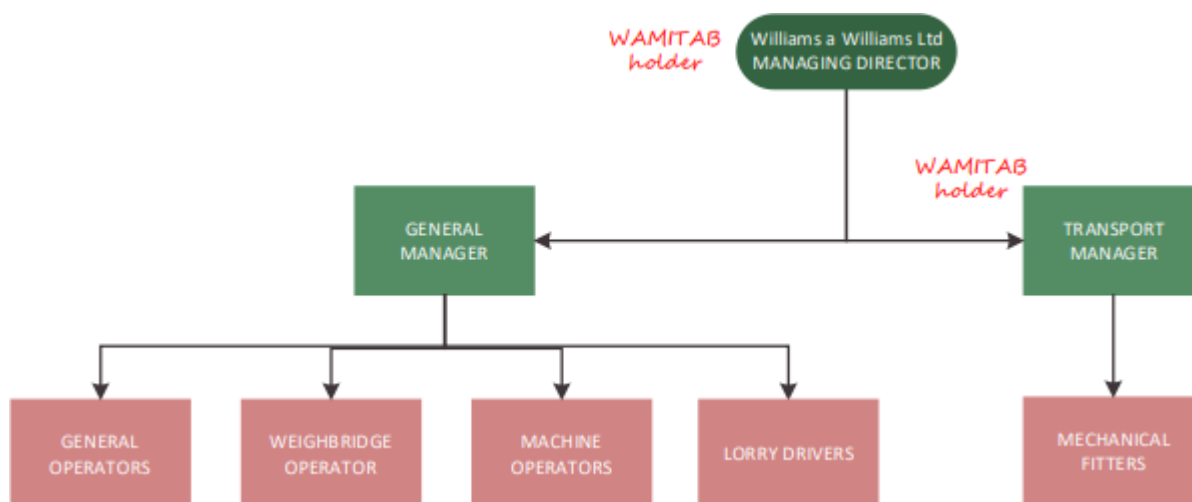
We employ an external accountant and have an internal health and safety advisor who work together to identify and assess the impacts and risks from our waste management operations with regards to health & safety and finance. This information with internal risk assessments is used to prepare control procedures for the impacts and risks identified.

Our health and safety advisor assists the competent person(s) on site to identify and determine all risks associated with our waste management activities. After identifying risks they are evaluated and prioritised before appropriate control measures established. These control measures are passed on to those that are or could be affected through various methods such as written method statements, training and staff briefings. All risk assessments are reviewed to ensure that they are appropriate at least annually or immediately if anything changes.

We work closely with Natural Resources Wales and within the scope of our licence and working plan to ensure that our environmental impacts and risks are identified and controlled effectively. We have also completely overhauled our internal Environmental Management System which also assists us in controlling and reducing the environmental impacts associated with our activities.

We have our own internal business continuity plan and emergency plans detailing how unexpected and emergency situations have been planned for these details prevention and mitigation measures for instances such as fire, flood, spillage etc.

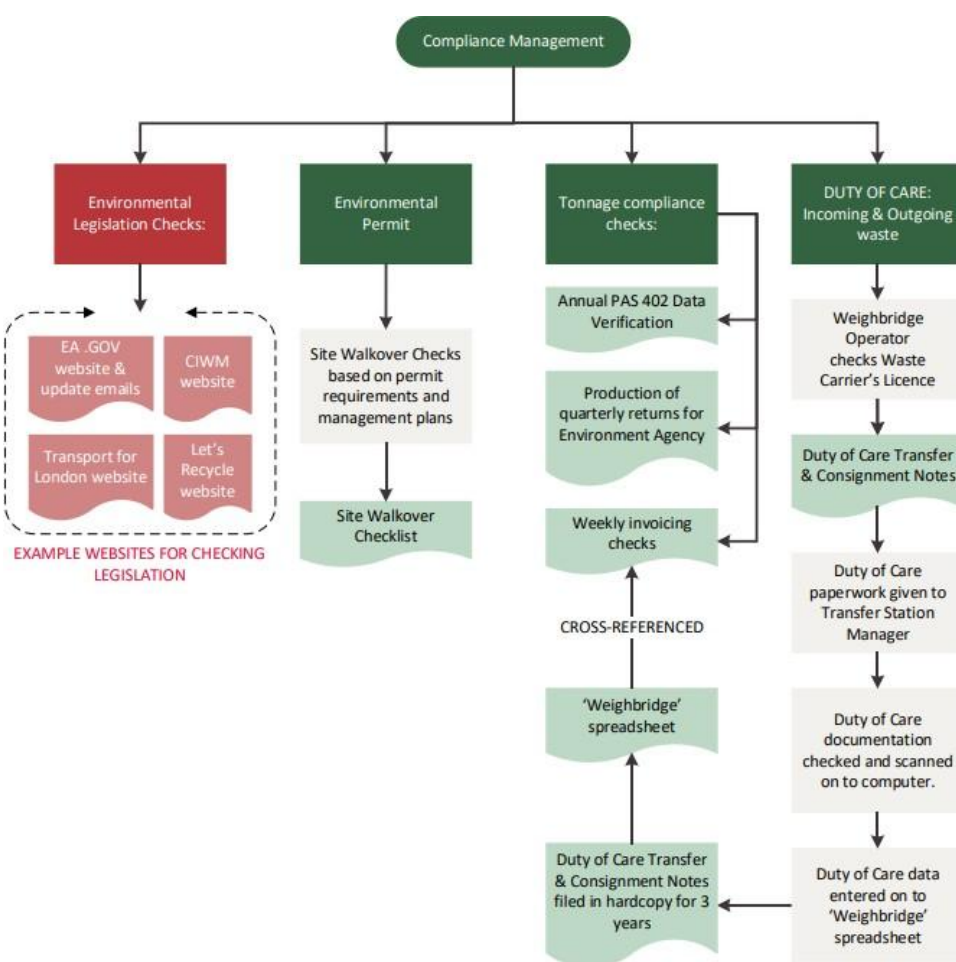
We are always looking for ways to improve H&S , one way we do this is by using the SafeZone armband system which warns any persons and machinery of anyone surrounding in the current area. We complete a site walk around every morning to ensure that everything is up to date and compliance with our permit and nothing can/may cause any environmental risks. All the staff have access to any PPE re- quired but Boots , gloves , hi-vis are mandatory with access to more. We review our risk assessments an- nually which all the staff members have views and access to at any moment requested.



4 Operational Management

We have developed internal operational control systems over the 25 years that we have been operating a waste transfer station. These enable us to effectively fulfil our legal and licensing obligations and capture all necessary data for reporting requirements.

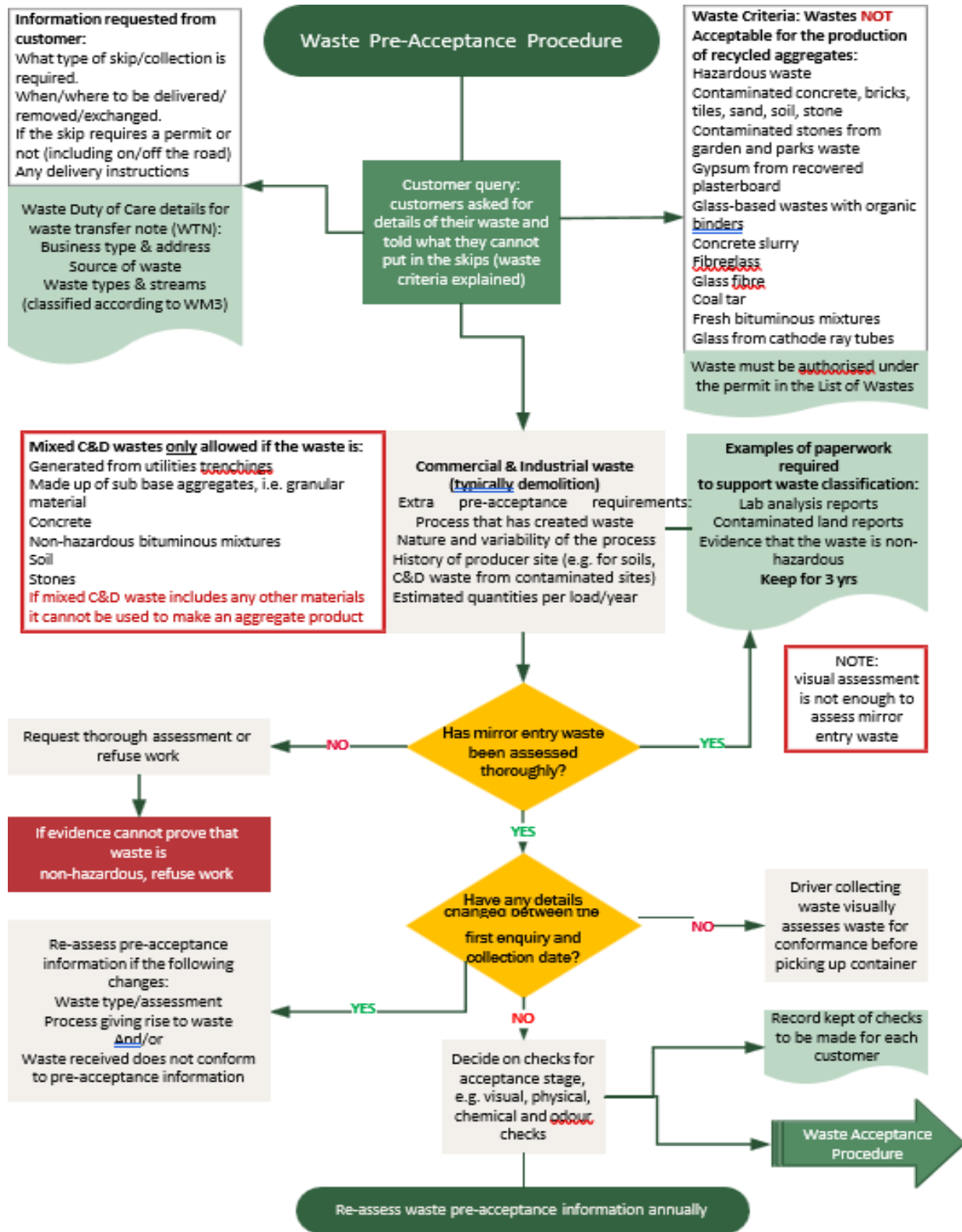
Where there is to be more than one transfer of waste we ensure that appropriate duty of care measures are applied. This entails records of incoming wastes with its appropriate EWC code(s), the weight of that waste together with the next or end destination of waste. We have suitable and sufficient waste containment bays and containers that are used within the site permit boundary.

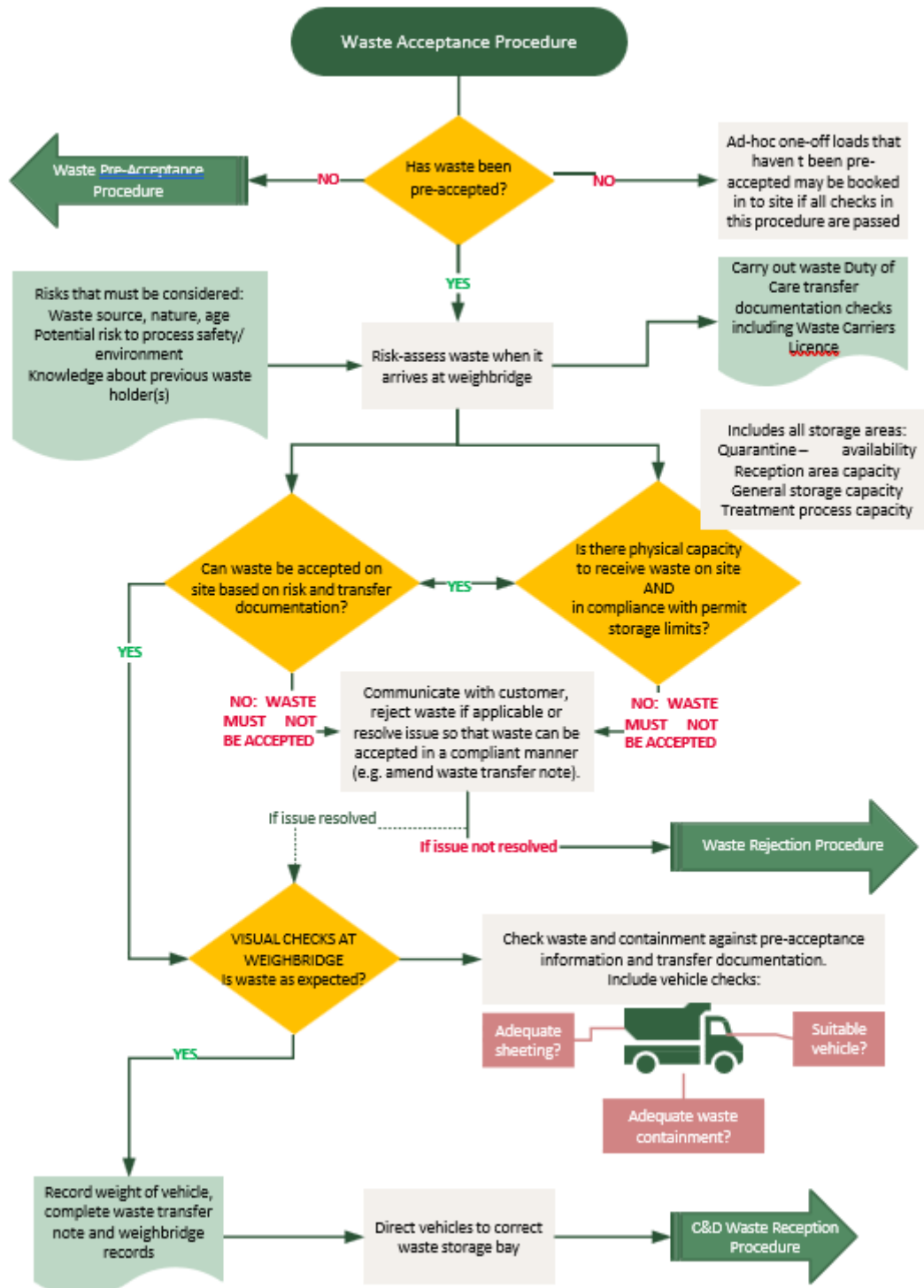


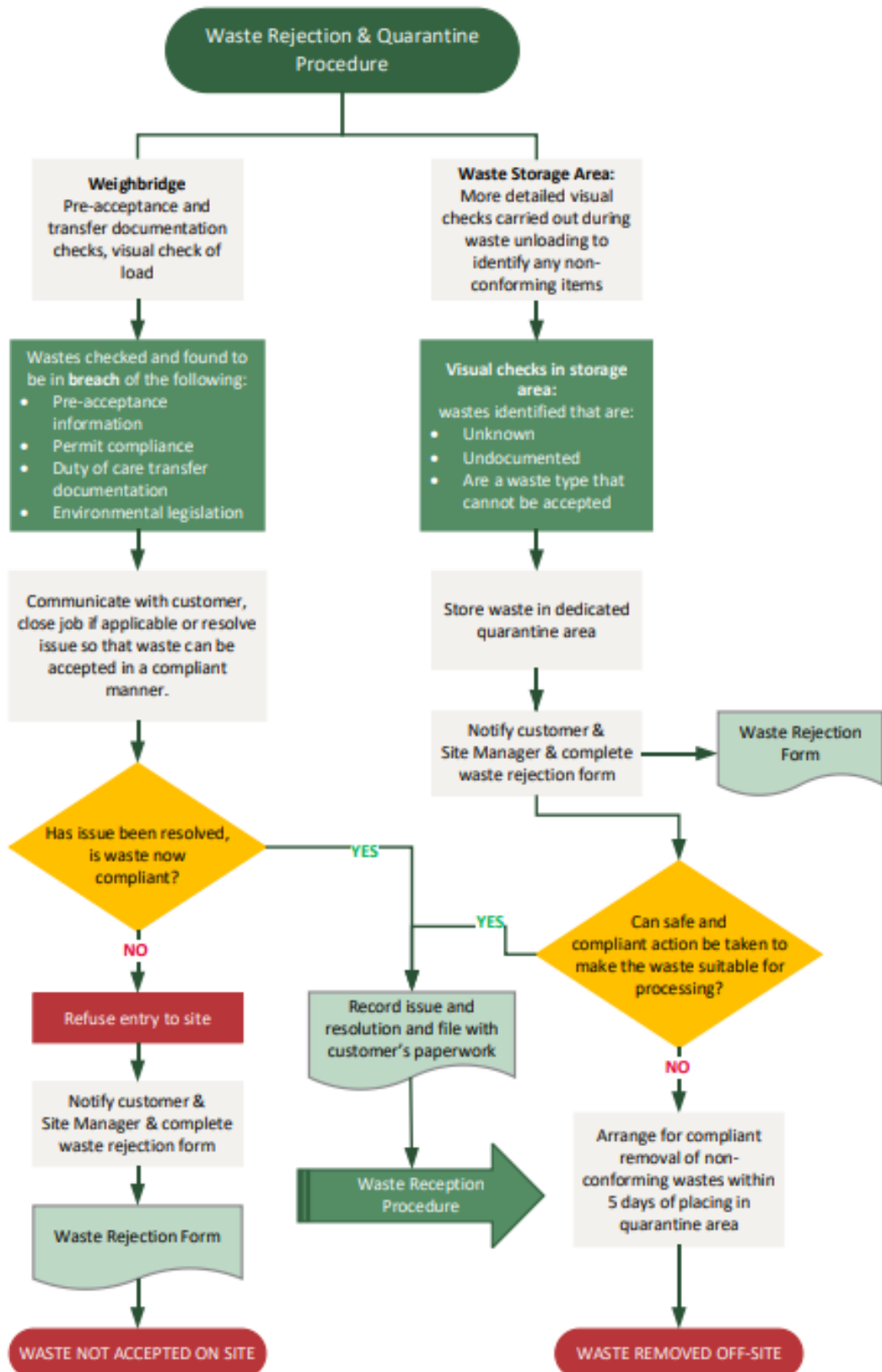
All wastes are held on site in compliance with our permit conditions. We control hazardous wastes in a manner that is proportionate to the particular hazards and risks, when necessary we store unacceptable waste in appropriate containment areas. Any wastes our organization generates where possible are recycled and are stored, handled and disposed of in line with duty of care requirements. Our waste management and skip hire processes, along with the various control measures that are in place are outlined below. Again 2025 has seen a very poor year for plastics, loyalty with processors is vital.

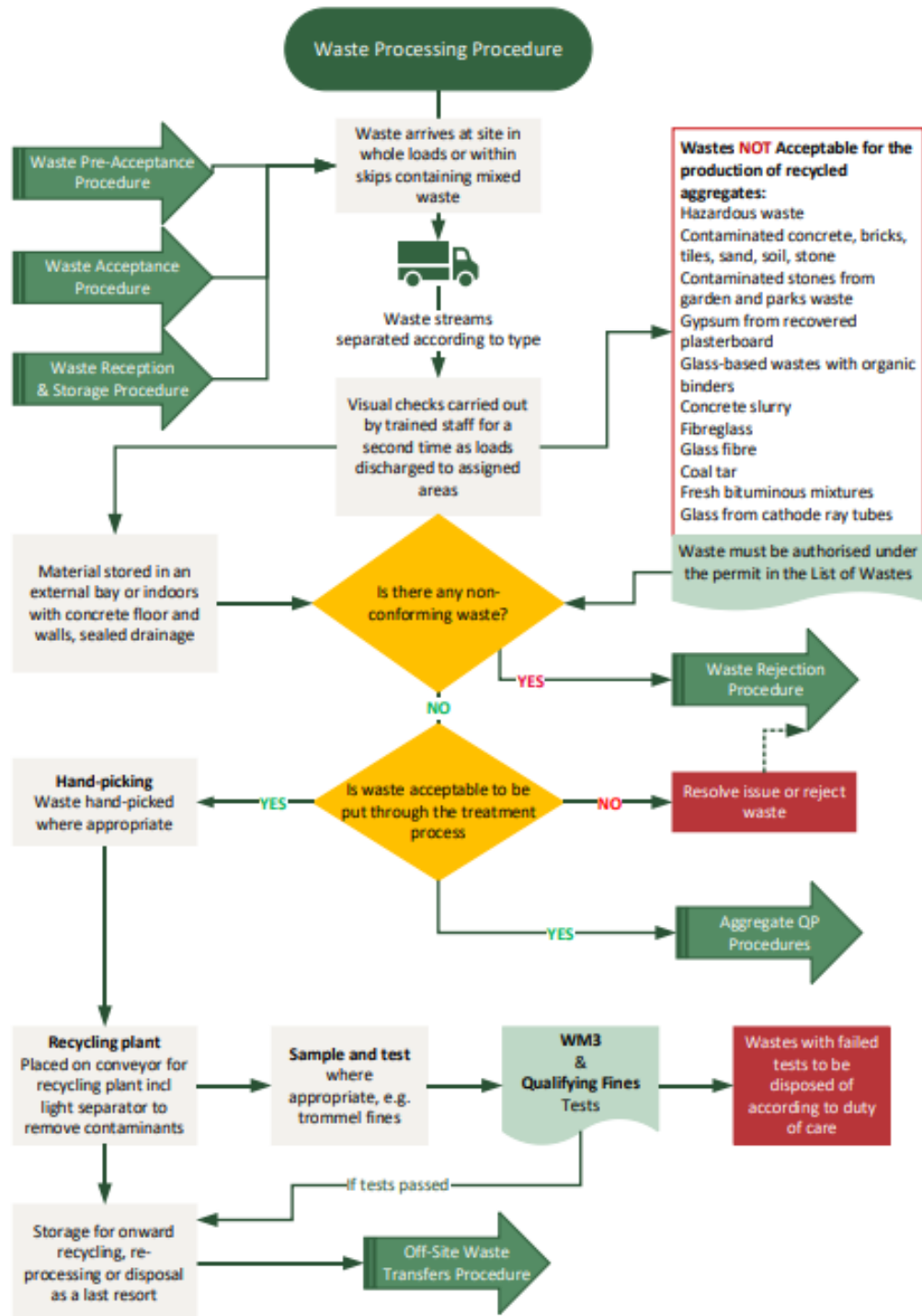
We manage our own waste by having allocated waste tanks / bins on site which are disposed of by specialist companies, these waste streams come from servicing plant and machinery. We also have separate bins in any of the break areas to follow the Welsh recycling legislations.

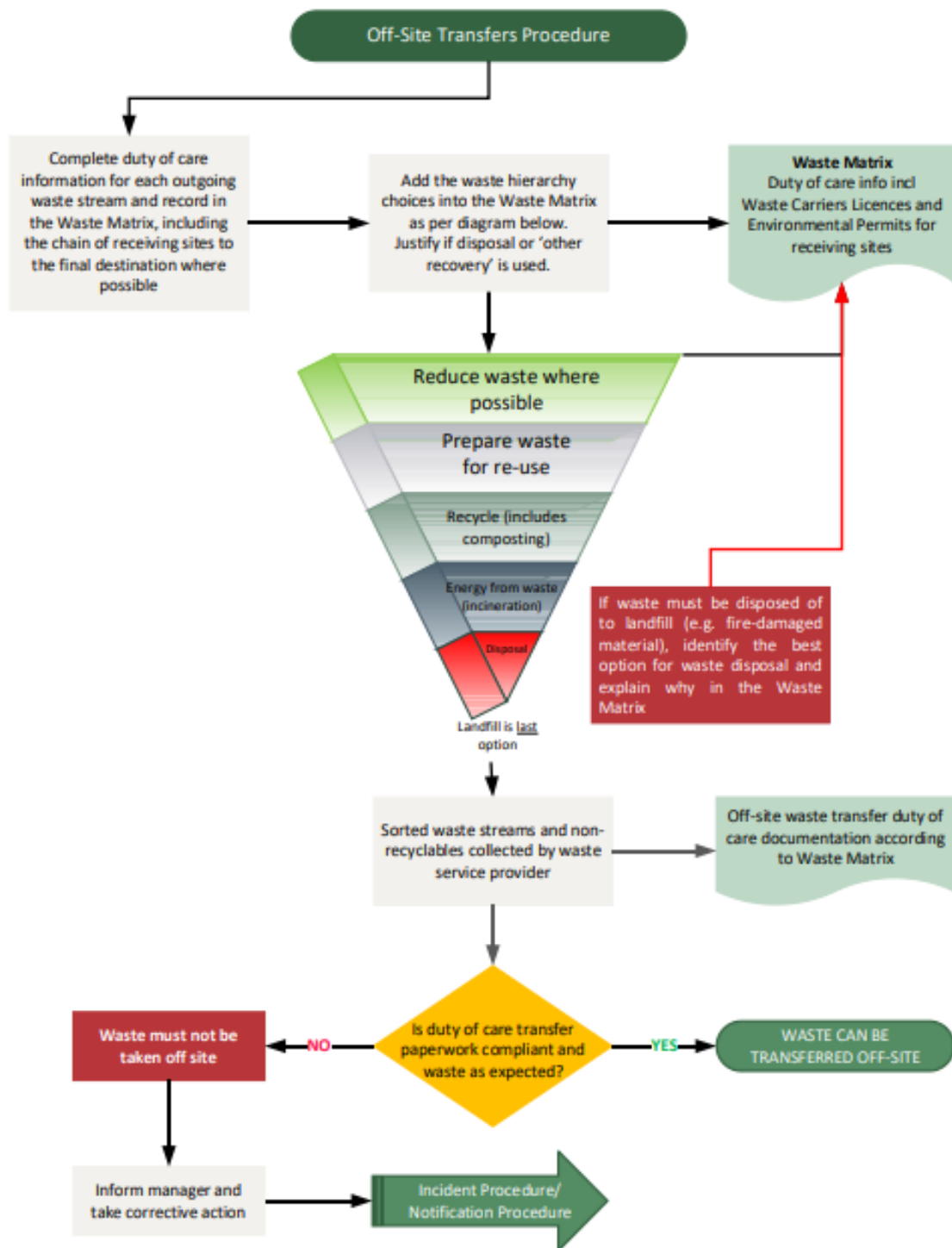
Waste Transfer Station Operation





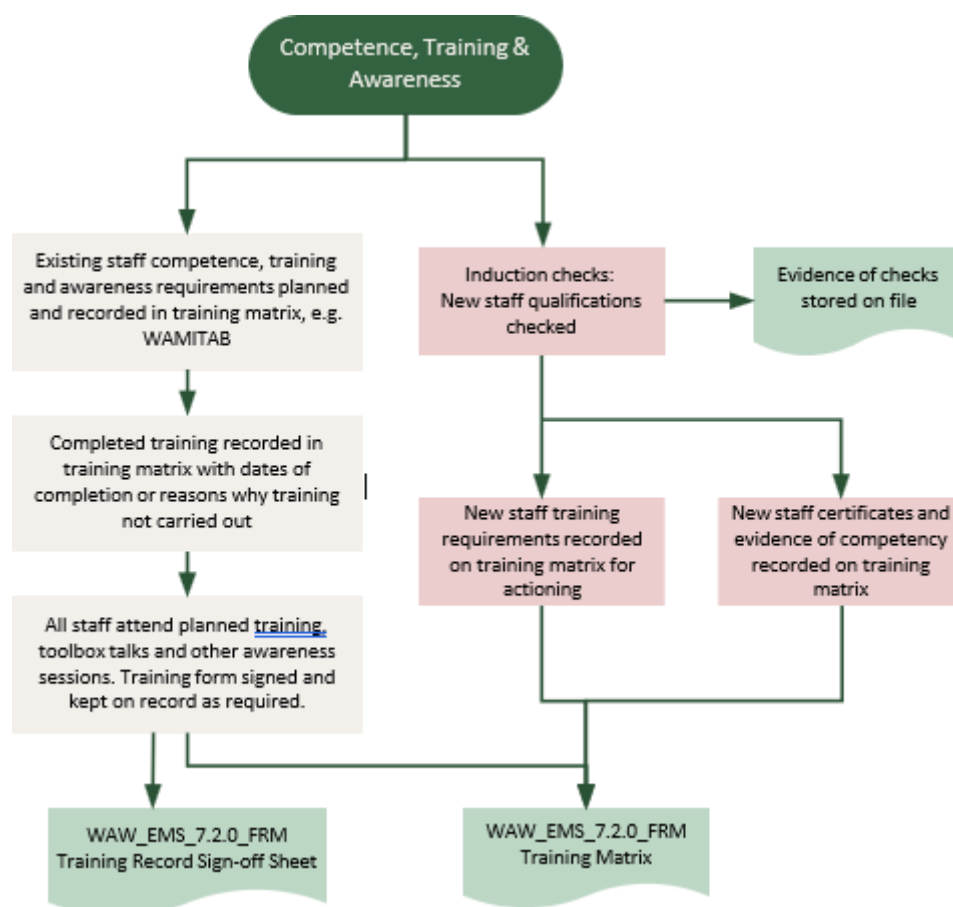




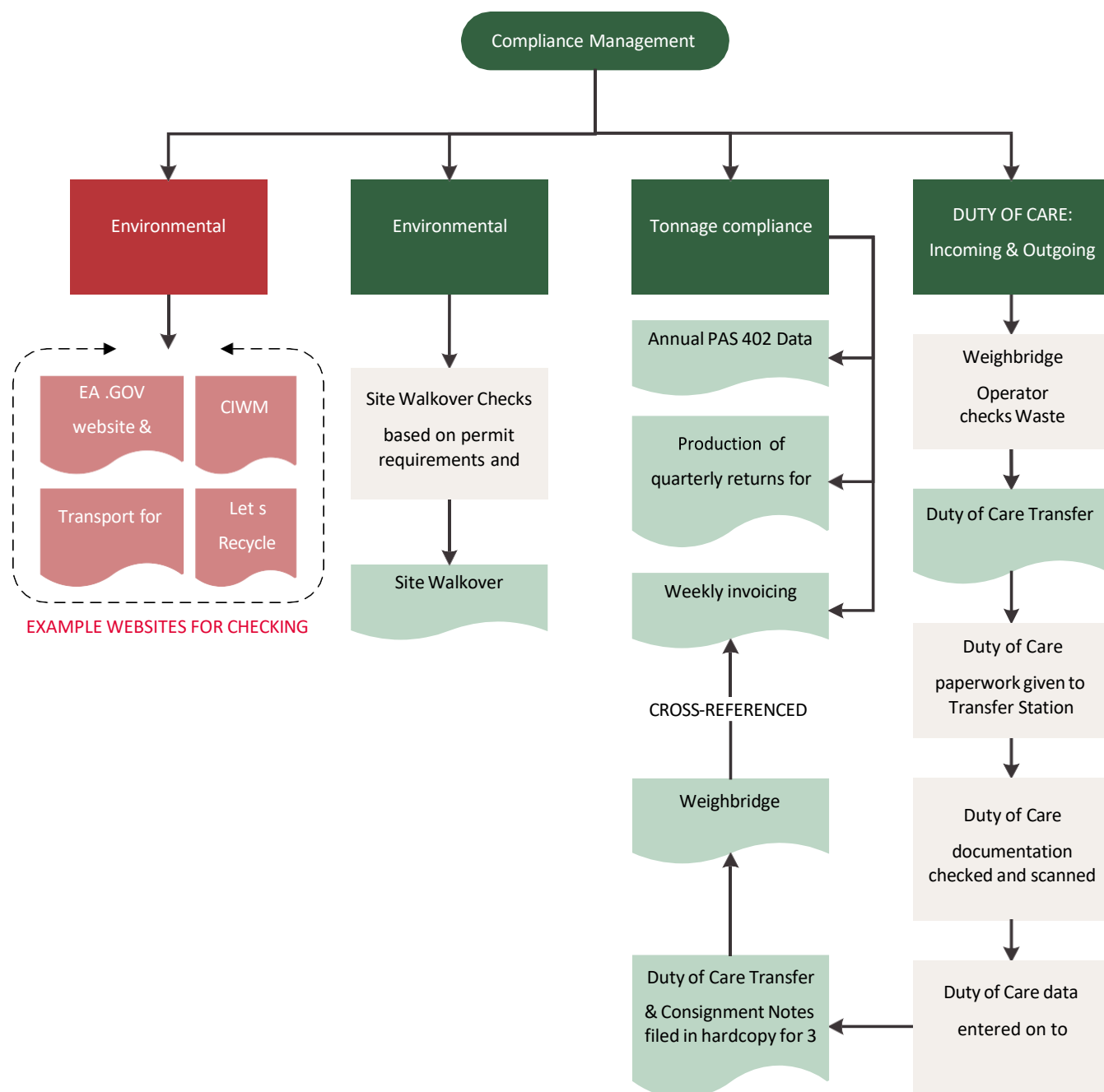


6 Competence

All personnel working at the site are suitably inducted, trained and instructed in the correct procedures for handling wastes and other materials processed at the site. This includes relevant knowledge of the requirements of the environmental permit and emergency procedures. The person carrying out waste acceptance checks is trained to effectively identify and manage any non-conformances in the loads received.



Williams a Williams have a staff training and induction procedure and regularly undertake toolbox talks for our staff and employees. We are committed to giving staff the time they need to be trained and carry out annual performance reviews of each member of staff and employee to ensure that the training needs are identified. We put plans put in place to ensure that each employee receives the correct tailored training for their specific role.



8 Corrective, preventive and improvement actions

We have our own internal system for dealing with Corrective, preventive and improvement actions. Initially we deal with problems verbally and if we are not able to deal with these issues we follow our recently introduced system whereby the issue is communicated to a relevant manager who will then undertake an investigation to establish the root cause of the problem before agreeing on corrective and preventive actions with the relevant people. These actions will then be followed up within an agreed timeframe to ensure that they were successful.

All accidents are recorded in the accident book and if necessary they are reported to the HSE in line with our RIDDOR Policy. The accident book is reviewed regularly to analyse whether or not there are any trends developing and if so appropriate actions will be taken.



9 Performance review

We have identified key performance indicators such as the amount of waste being sent to RDF, number of accidents and monthly operating costs and we regularly review these together with the activities identified in clauses 4 to 11 of PAS 402.

The Kiverco system is working well and because of this there is large decrease in the risk between staff and vehicles they also undertake a package of basic skills training and continue to monitor and review risk assessments and control measures. CPC courses for drivers will be held in the yard.

We have recently introduced a new procedure for identifying the composition if any materials are going to RDF and therefore hope to provide accurate figures on individual material recovery rates in the future. However, the table below describes the tonnages recovered or sent to landfill per material type, the end destination of the materials and the total tonnages diverted from landfill per quarter



Material	In Tonnage	Waste Stream	Total Tonnage	Treatment Destination	Tonnage Out
Wood Waste 17 02 01	600.64	Wood Waste	1833.24	Biomass	1758.06
Mixed Skips 17 09 04	1232.6				
Cardboard 15 01 01	1263.88	Cardboard	1283.88	Recycling	1260.2
Mixed Skips 17 09 04	20				
Mixed Metals 17 04 07	143.26	Mixed Metals	476.7	Recycling	484.7
Mixed Skips 17 09 04	333.44				
Gypsum 17 08 02	269.48	Gypsum	279.48	Recycling	276.58
Mixed Skips 17 09 04	10				
Green Waste 20 02 01	168.61	Green Waste	170.61	Recycling	164.32
Mixed Skips 17 09 04	2				
Rubble 17 01 07	2364.5	Rubble	5030	Recycling	
Mixed Skips 17 09 04	2665.5				
Rigid Plastic 17 02 03	11.4	Mixed Rigid Plastic	126.06	Recycling	126.06
Mixed Skips 17 09 04	114.66				
Mixed Skips 17 09 04	63.96	Plastic film	63.96	Recycling	82.48
Soil & Stone 17 05 04	2715.05	Soil and Stone	4121.38	Recycling	4421.06
Mixed Skips 17 09 04	1406.33				
Mixed Skips 17 09 04	23.32	UPVC	23.32	Recycling	32.32
Mixed Municipal 20 03 01	7745.7	Mixed Municipal	8556.48	Recycling	8740.83
Mixed Skips 17 09 04	810.78				
Textiles 19 12 08	170.01	Textiles	170.01	Recycling	
Bulky Waste 20 03 07	14.34	Bulky Waste	14.34	Recycling	
Glass Pane 16 01 20	3.96	Glass Pane	19.06	Recycling	13.85
Mixed Skip 17 09 04	15.1				
Source Segregates recycling 20 03 01	3102.38	Source Segregates recycling	3102.38	Recycling	
Food Waste				Recycling	660.62
Glass Bottles 20 01 02	227.94	Glass Bottles	227.94	Recycling	956.26
Soft mix				Recycling	714.5
Steel cans				Recycling	46.86
Plastic bottles				Recycling	513.77
Agri Plastic 02 01 04	86.66	Agri Plastic	86.66	Recycling	38.2
Tires 16 01 03	5.66	Tires	8.66	Recycling	3.02
Mixed Skips 17 09 04	3				
Mixed Skips 17 09 04	74.38	Fines	74.38	Recycling	74.38
Waste Cuttings	6.3	Waste Cuttings	6.3	Landfill	6.3
RDF				Landfill	75.8
Wood Waste				Biomass	100

Waste Hierarchy Category	Annual %
Re-use	0
Repair	0
Recycle	99.74
Landfill	0.26

Performance summary	Total tonnes
Total material inputs this period	25746.84
Waste used/retained on site this period e.g. for engineering purposes	
Waste remaining on site at end of this period (unprocessed)	405
Waste remaining on site at end of this period (processed)	
Total waste remaining on site at end of this period	405
Waste sent offsite for reuse/repair this period	
Waste sent offsite for recycling this period	18616.31
Waste sent offsite for energy recovery this period	1858.06
Qualifying fines	
Non-qualifying fines	74.38
Materials sent offsite as non-waste this period e.g. end of waste	7689.88
Waste sent off for disposal (incineration without energy recovery)	
Waste sent off for disposal to landfill	75.8
Total materials sent off site this period	28240.5

Tabel S2.1 Permitted waste types and quantities	
Maximum quantity	The total quantity of waste accepted at the site shall be less than 25,000 tonnes a year Exclusions Wastes having any of the following characteristics shall not be accepted: Consisting solely or mainly of dusts, powders or loose fibres Wastes that are in a form which is either sludge or liquid
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 01	wastes from mineral excavation
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 03	wastes from physical and chemical processing of metalliferous minerals
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 07
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 11	wastes from potash and rock salt processing other than those mentioned in 01 04 07
01 04 12	tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 03	plant-tissue waste
02 01 04	waste plastics (except packaging)
02 01 07	wastes from forestry
02 01 10	waste metal
02 02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 03	materials unsuitable for consumption or processing
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 04	materials unsuitable for consumption or processing
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet

02 04 02	off-specification calcium carbonate
02 05	wastes from the dairy products industry
02 05 01	materials unsuitable for consumption or processing
02 06	wastes from the baking and confectionery industry
02 06 01	materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 04	materials unsuitable for consumption or processing
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 01	wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	wastes from sorting of paper and cardboard destined for recycling
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
04	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES
04 01	wastes from the leather and fur industry
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	wastes from dressing and finishing
04 02	wastes from the textile industry
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
06	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 09	wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes
06 09 02	phosphorous slag
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
06 11	wastes from the manufacture of inorganic pigments and opacifiers
06 11 01	calcium-based reaction wastes from titanium dioxide production
07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic
08	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 02	wastes from MFSU of other coatings (including ceramic materials)
08 02 02	aqueous sludges containing ceramic materials
08 02 03	aqueous suspensions containing ceramic materials
09	WASTES FROM THE PHOTOGRAPHIC INDUSTRY
09 01	wastes from the photographic industry
09 01 07	photographic film and paper containing silver or silver compounds

09 01 08	photographic film and paper free of silver or silver compounds
09 01 10	single-use cameras without batteries
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
10	WASTES FROM THERMAL PROCESSES
10 01	wastes from power stations and other combustion plants (except 19)
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 24	sands from fluidised beds
10 02	wastes from the iron and steel industry
10 02 01	wastes from the processing of slag
10 02 02	unprocessed slag
10 02 08	solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10	mill scales
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other sludges and filter cakes
10 03	wastes from aluminium thermal metallurgy
10 03 02	anode scraps
10 03 05	waste alumina
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
10 04	wastes from lead thermal metallurgy
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05	wastes from zinc thermal metallurgy
10 05 01	slags from primary and secondary production
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 11	dross and skimmings other than those mentioned in 10 05 10
10 06	wastes from copper thermal metallurgy
10 06 01	slags from primary and secondary production
10 06 02	dross and skimmings from primary and secondary production
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07	wastes from silver, gold and platinum thermal metallurgy
10 07 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production
10 07 03	solid wastes from gas treatment
10 07 05	sludges and filter cakes from gas treatment

10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08	wastes from other non-ferrous thermal metallurgy
10 08 09	other slags
10 08 11	dross and skimmings other than those mentioned in 10 08 10
10 08 13	carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	anode scrap
10 08 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09	wastes from casting of ferrous pieces
10 09 03	furnace slag
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 14	waste binders other than those mentioned in 10 09 13
10 09 16	waste crack-indicating agent other than those mentioned in 10 09 15
10 10	wastes from casting of non-ferrous pieces
10 10 03	furnace slag
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 14	waste binders other than those mentioned in 10 10 13
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15
10 11	wastes from manufacture of glass and glass products
10 11 03	waste glass-based fibrous materials
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 12	waste glass other than those mentioned in 10 11 11
10 11 14	glass-polishing and -grinding sludge other than those mentioned in 10 11 13
10 11 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 01	waste preparation mixture before thermal processing
10 12 05	sludges and filter cakes from gas treatment
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 12	wastes from glazing other than those mentioned in 10 12 11
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
10 13 07	sludges and filter cakes from gas treatment
10 13 10	wastes from asbestos-cement manufacture other than those mentioned in 10 13 09

10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete and concrete sludge
11	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY
11 01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
11 01 14	degreasing wastes other than those mentioned in 11 01 13
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 05	wastes from hot galvanising processes
11 05 01	hard zinc
11 05 02	zinc ash
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 01	ferrous metal filings and turnings
12 01 03	non-ferrous metal filings and turnings
12 01 05	plastics shavings and turnings
12 01 13	welding wastes
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
15 02	absorbents, filter materials, wiping cloths and protective clothing
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 03	end-of-life tyres

16 02	wastes from electrical and electronic equipment
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 03	off-specification batches and unused products
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 03 05
16 06	batteries and accumulators
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
16 11	waste linings and refractories
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 01	wood
17 02 02	glass
17 02 03	plastic
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 04	metals (including their alloys)
17 04 01	copper, bronze, brass
17 04 02	aluminium
17 04 03	lead
17 04 04	zinc
17 04 05	iron and steel
17 04 06	tin
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	insulation materials and asbestos-containing construction materials
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 08	gypsum-based construction material
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01

17 09	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 01	wastes from incineration or pyrolysis of waste
19 01 02	ferrous materials removed from bottom ash
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 04	vitrified waste and wastes from vitrification
19 04 01	vitrified waste
19 04 04	aqueous liquid wastes from vitrified waste tempering
19 05	wastes from aerobic treatment of solid wastes
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 01	paper and cardboard
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 04	plastic and rubber
19 12 05	glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 09	minerals (for example sand, stones)
19 12 10	combustible waste (refuse derived fuel)
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 01	paper and cardboard
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 30	detergents other than those mentioned in 20 01 29
20 01 34	batteries and accumulators other than those mentioned in 20 01 33
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals
20 01 41	wastes from chimney sweeping
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 02 02	soil and stones
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 07	bulky waste