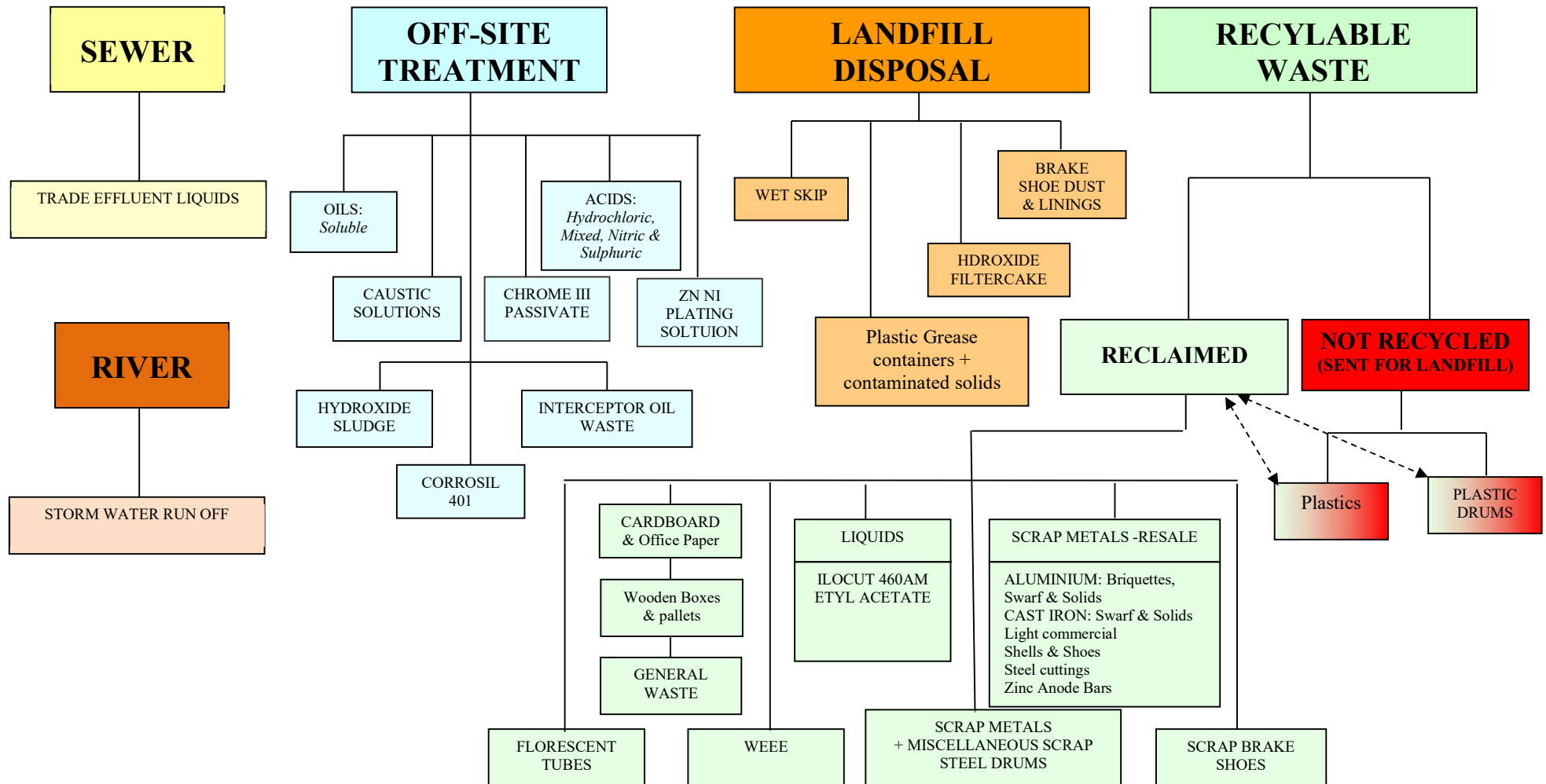


TRW AUTOMOTIVE, PONTYPOOL

SITE WASTE STREAMS



WASTE DISPOSAL – LAST REVIEW: 03/02/20

WASTE	CURRENT DISPOSAL ROUTE	POTENTIAL ALTERNATIVE DISPOSAL ROUTES	JUSTIFICATION	ACTIONS	Quantity Disposed of in 2019
Cardboard	Cardboard is baled on site and sent for recycling.	Cardboard could be incinerated.	- Recycling is the best option currently available. - Incineration is currently an expensive and unnecessary option.	Speak to contractor to review rebate for cardboard recycled	131894 Kg <i>(7% increase from previous year)</i>
Corrosil 401	This waste is collected and sent for chemical treatment.	None identified	- Chemical treatment is the best option currently available. - This waste stream is generally disposed of within the mixed caustic.	None	0 Kg <i>(No Change from previous year)</i>
General Waste	General waste is sent to a sorting centre to divert it from landfill and recycle as much as possible. The remainder is blended for fuel purposes.	- Waste could be incinerated - Elements of the waste may be recycled in order to achieve a rebate	- Recycling is the best option currently available and most recyclable elements of the waste are already being looked at. - Incineration is currently an expensive and unnecessary option.	- Investigate waste minimisation. - Reduce collection to a call off system to reduce transport costs	72180 Kg <i>(5% increase from previous year)</i>
Florescent tubes	Contractor brings a mobile disposal unit to site to crush the lamps, extracting the internal substances for recycling and bagging the glass.	None identified	This is the best option currently available.	None	0 Kg <i>(No Change from previous year)</i>
Hydrochloric Acid	This waste is collected and sent for chemical treatment.	None identified	Chemical treatment is the best option currently available.	None	0 Kg <i>(No Change from previous year)</i>

WASTE	CURRENT DISPOSAL ROUTE	POTENTIAL ALTERNATIVE DISPOSAL ROUTES	JUSTIFICATION	ACTIONS	Quantity Disposed of in 2019
			This waste stream is generally disposed of within the mixed acid		
Hydroxide Sludge	This waste is collected and sent for chemical treatment.	None identified	- Chemical treatment is the best option currently available. - Waste could be processed to produce a filter cake	Benchmark disposal costs	457460 Kg (80% increase from previous year)
Hydroxide Sludge Filter cake	This waste is sent to landfill	Waste could be incinerated	- Landfill is the best option currently available - Incineration is currently an expensive and unnecessary option.	Benchmark disposal costs	40940 Kg (28% decrease from previous year)
Metals - Scrap from production	Material is removed from site to be recycled as raw materials.	None identified	This is the best option currently available.	None	2250790 Kg (9% decrease from previous year)
Metals - General Scrap	- Wherever possible items are reused throughout the site. - Excess is removed from site by Harris scrap merchants to be recycled.	None identified	This is the best option currently available.	None	42500 Kg (200% increase from previous year)
Mixed Acid	This waste is collected and sent for chemical treatment.	None identified	Chemical treatment is the best option currently available.	Benchmark disposal costs	498800 Kg (10% decrease from previous year)

WASTE	CURRENT DISPOSAL ROUTE	POTENTIAL ALTERNATIVE DISPOSAL ROUTES	JUSTIFICATION	ACTIONS	Quantity Disposed of in 2019
Mixed Caustic	This waste is collected and sent for chemical treatment.	None identified	Chemical treatment is the best option currently available.	Benchmark disposal costs	254160 Kg (7% increase from previous year)
Mixed Hazardous Waste	Collected and sent to landfill site	Could be incinerated.	Incineration is currently an expensive and unnecessary option	Investigate splitting wastes	26300 Kg (70% increase from previous year)
Nitric Acid	This waste is collected and sent for chemical treatment.	None identified	Chemical treatment is the best option currently available.	Benchmark disposal costs	0 Kg (No Change from previous year)
Office Paper	- Wherever possible items are reused throughout the site. - Unusable office paper is collected and sent for recycling.	Paper could be incinerated.	- Recycling is the best option currently available. - Incineration is currently an expensive and unnecessary option.	None	2240 Kg (90% increase from previous year)
Oils - Mineral	Used mineral oils are collected by Castrol, reconditioned and returned for use on site	None identified	This is the best option currently available.	None	0 Kg (No Change from previous year)
Soluble oil	- Used oils are treated on site to recondition the oil wherever possible. - Untreatable oils are collected and sent to be cracked/chemically treated	None identified	- Chemical treatment is the best option currently available. - Waste disposal is within the Castrol Fluid contract and therefore determined by Castrol	None	756180 Kg (5.5% decrease from previous year)
Oils - Solid Contaminated Wastes	The waste is currently sent for Hazardous Landfill	None identified	Due to its nature the waste stream waste has to be pressed to remove liquid content in order to be sent to landfill.	Investigate waste minimisation.	8280 Kg (15% decrease from previous year)

WASTE	CURRENT DISPOSAL ROUTE	POTENTIAL ALTERNATIVE DISPOSAL ROUTES	JUSTIFICATION	ACTIONS	Quantity Disposed of in 2019
Plastic - Chemical containers	- Where possible containers are returned to the supplier for reuse. - Where containers cannot be reused they are sent for recycling via Castrol	Waste could be incinerated	- Recycling is the best option currently available and most recyclable elements of the waste are already being looked at. - Incineration is currently an expensive and unnecessary option.	Investigate further recycling/waste minimisation.	4420 Kg (72% decrease from previous year)
Plastics - General	- Where possible plastics are sent to recycling. - Where plastics cannot be recycled they are sent to landfill	- Waste could be incinerated - Elements of the waste may be recyclable	- Recycling is the best option currently available and most recyclable elements of the waste are already being looked at. - Incineration is currently an expensive and unnecessary option.	Investigate further recycling/waste minimisation.	0 Kg sent to Landfill 23259 Kg recycled (13% increase from previous year)
Steel Drums	Empty drums are collected by Talywain Salvage as scrap metal	None identified	This is the best option currently available.	None	12080 Kg (247% increase from previous year)
Sulphuric Acid	This waste is collected and sent for chemical treatment.	Potential to re-use some/all of the waste acid to treat effluent.	Chemical treatment is the best option currently available.	Benchmark disposal costs	7220Kg (70 % decrease from previous year)
WEEE	This waste is collected and sent for recycling	None identified	This is the best option currently available.	None	0 Kg (100% decrease from previous year)
Wooden boxes/pallets	- Wherever possible items are reused throughout the site. - Unused boxes are collected and taken for chipping and subsequent recycling.	Boxes could be incinerated.	- Recycling is the best option currently available. - Incineration is currently an expensive and unnecessary option.	None	220520 Kg (11.5% increase from previous year)

WASTE	CURRENT DISPOSAL ROUTE	POTENTIAL ALTERNATIVE DISPOSAL ROUTES	JUSTIFICATION	ACTIONS	Quantity Disposed of in 2019
Zinc Passivate	This waste is collected and sent for chemical treatment.	None identified	Chemical treatment is the best option currently available.	Benchmark disposal costs	23500 Kg <i>(No change from previous year)</i>
Zinc Plating Solution	This waste is collected and sent for chemical treatment.	None identified	Chemical treatment is the best option currently available.	- Benchmark disposal costs - Investigate recycling	49040 Kg <i>(New waste stream for 2019)</i>
Drumbrake Waste Streams No longer exists due to Drumbrake closure. May be a 1 off disposal when the Drumbrake equipment is removed from site					
Adhesive Tins	Adhesive tins are emptied, crushed and placed in with the scrap for recycling.	Tins could be incinerated and land filled.	- Recycling is the best option currently available. - Incineration is currently an expensive and unnecessary option.	None	Mixed with Misc. Scrap see figure below
Brake Dust	Brake dust is sent to landfill.	- Potential may be available to send the mixed materials for recycling - The dust could be incinerated	- Landfill is currently the most viable option - There is no current market for recycling the materials as the mix concentrations cannot be guaranteed. - Incineration is currently an expensive and unnecessary option.	Remove the waste skip from site – This waste has ended due to the closure of the Drumbrake business	0 Kg <i>(100% decrease from previous year)</i>
Ethyl Acetate	This waste is sent to be reconditioned/recycled for further use outside TRW	Waste could be incinerated	- Recycling is the best option currently available - Incineration is currently an expensive and unnecessary option.	Remove the waste from site – This waste has ended due to the closure of the	0 Kg

WASTE	CURRENT DISPOSAL ROUTE	POTENTIAL ALTERNATIVE DISPOSAL ROUTES	JUSTIFICATION	ACTIONS	Quantity Disposed of in 2019
				Drumbrake business	(100% Decrease from previous year)