

Marketing Kit 2021

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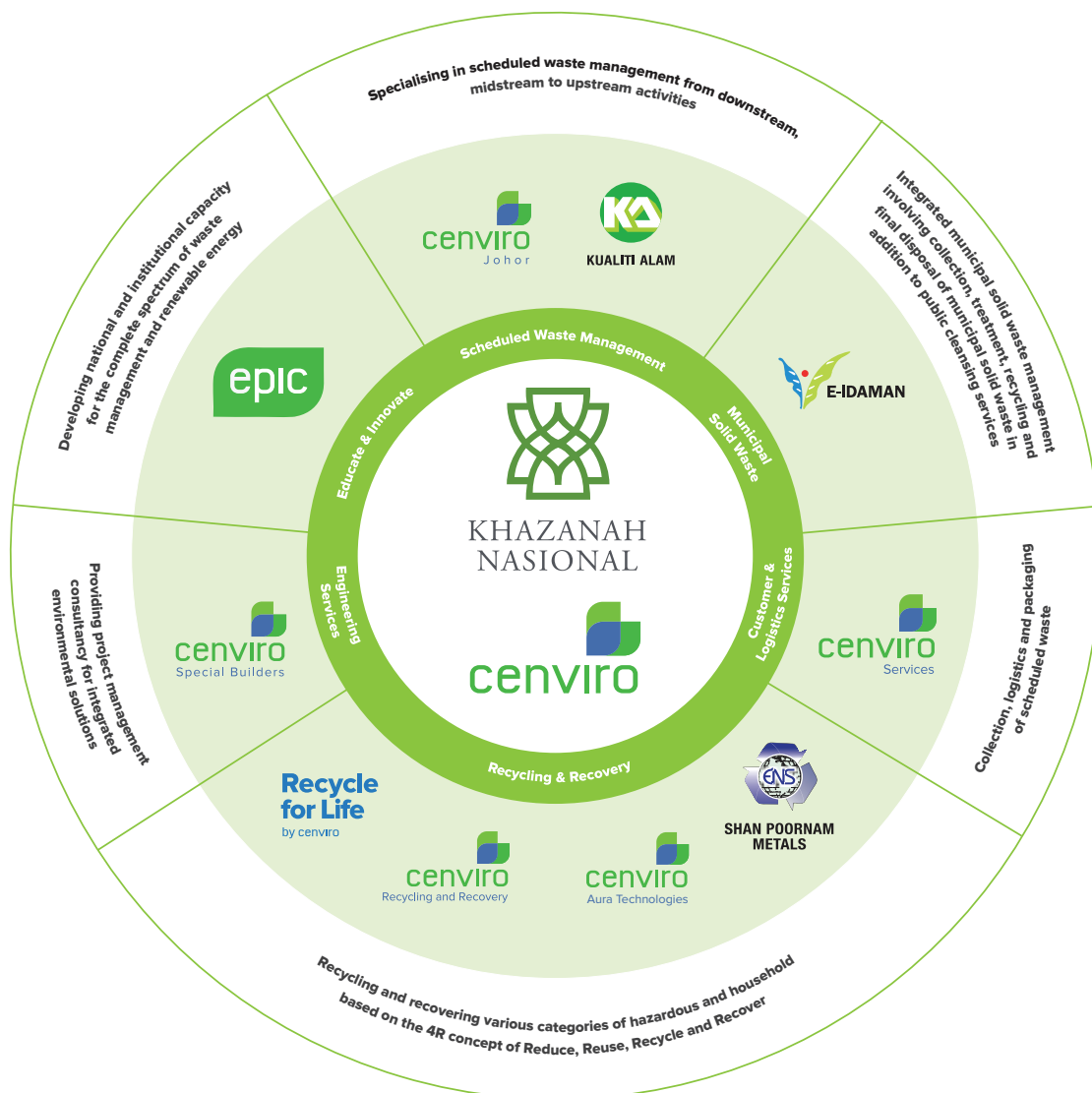
About Cenviro

Cenviro Sdn Bhd, stands for 'Clean Environment' is the flagship of Khazanah Nasional Berhad's investment in sustainable development. As the Modern Resource Company, Cenviro through its subsidiary Kualiti Alam Sdn Bhd, owns and operates Malaysia's first and largest integrated Waste Management Centre located in Negeri Sembilan since 1998. The centre holds the license to handle 76 out of 77 scheduled waste categories listed under the Environmental Quality (Scheduled Wastes) Regulation 2005 for collection, treatment, recycling, recovery and final disposal.

Cenviro also involved in integrated solid waste management through its joint-venture company, E-Idaman Sdn Bhd. Additionally, Cenviro extends its operations in electronic waste management via its associate Shan Poornam Metals Sdn Bhd.

Cenviro continues to provide innovative and sustainable waste management and renewable energy solutions for the sustainability of the environment in the country namely EPIC - Environmental Preservation and Innovation Centre (integrated training and development centre for the complete spectrum of waste management), Scheduled Waste to Energy (Malaysia's first scheduled waste to energy plant), Vertical Secured Landfill (innovative methodology creating more air space in existing landfill) and Recycle for Life (a recycling programme that rewards cash value through a smart card, the first-of-its-kind in the country).

Cenviro Group Structure



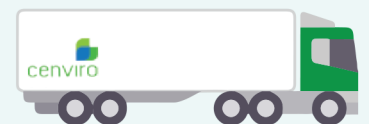
About Cenviro

Cenviro is a purpose-driven integrated waste management company committed to improving lives through the provision of quality waste resource management services. We strive to develop responsible partnerships to support organisational performance and drive the transformation of the Malaysian waste industry.



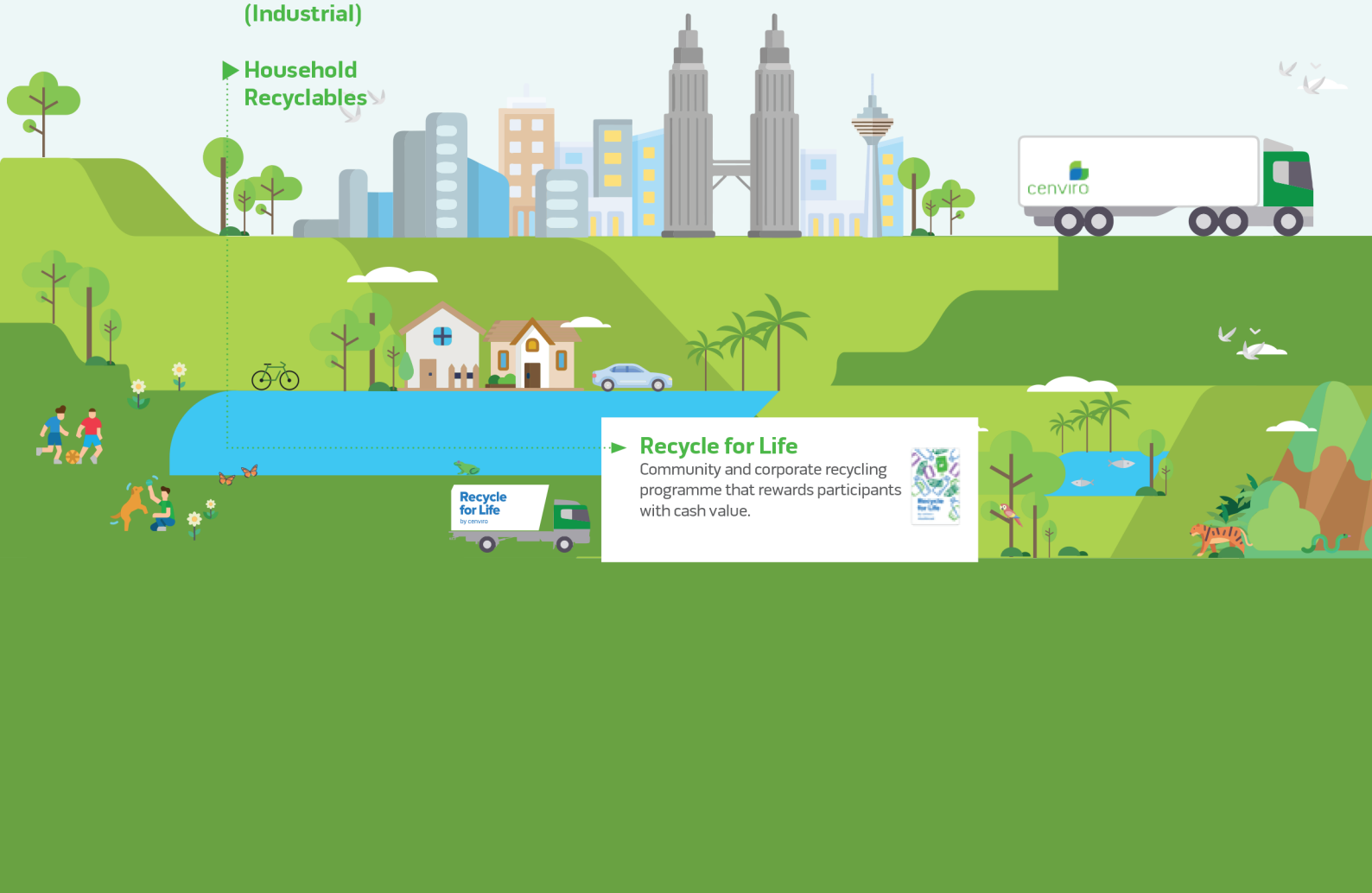
► **Waste Generator
(Industrial)**

► **Household
Recyclables**



► **Recycle for Life**

Community and corporate recycling programme that rewards participants with cash value.





KUALITI ALAM

Waste Management Centre (WMC)

Comprises the Incineration Plant, Solidification Treatment Plant, Physical and Chemical Treatment Plant, Vertical Secured Landfill, Scheduled Waste to Energy Plant and Clinical Waste Treatment Centre. Waste is categorised before collection and analysed again on arrival at WMC by our experts to ensure suitable treatment and disposal.

Recycling and Recovery Facilities

Recycling and recovery services for scheduled waste.

Cenviro Aura Technologies Sdn. Bhd.

Malaysia's first food grade bottle-to-bottle RPET at Cenviro EcoPark.

Incineration Plant

Incinerates waste using controlled burning at high temperatures.

Physical and Chemical Treatment Plant

Capable of handling all types of inorganic liquid waste using various chemical treatment processes.

Solidification Treatment Plant

Solidifies treated waste from the Physical and Chemical Treatment Plant and other processes, prior to the material's disposal at the Vertical Secured Landfill.

Clinical Waste Treatment Centre

Treats hazardous medical waste using zero-emissions technology, including microwave treatment and an eco-friendly incinerator.

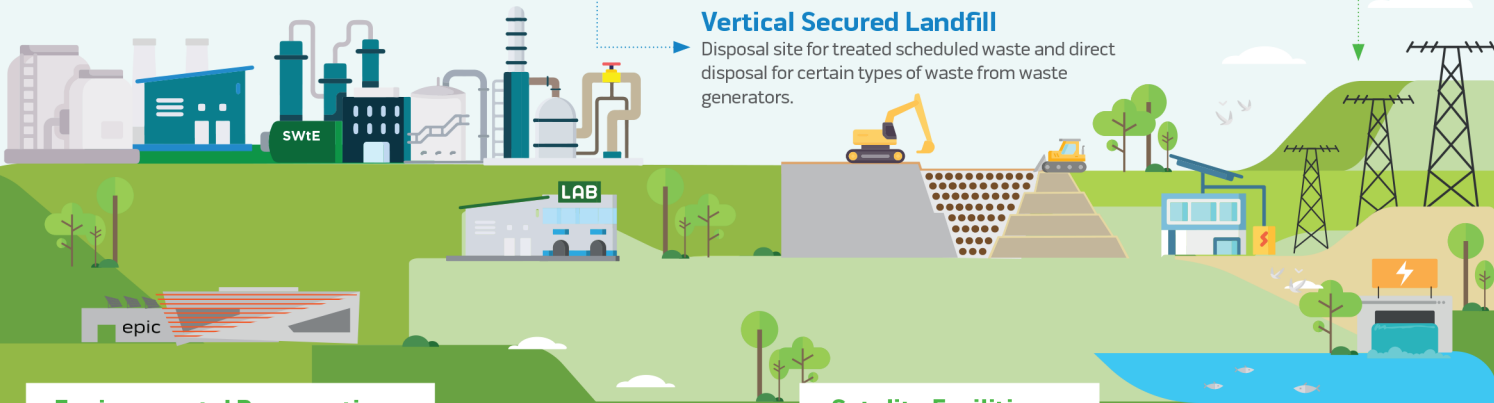
Scheduled Waste to Energy Plant

Scheduled waste is incinerated using a combustion chamber. The energy generated from this incineration is used to produce electricity using a boiler and steam turbine.

(export to national grid)

Vertical Secured Landfill

Disposal site for treated scheduled waste and direct disposal for certain types of waste from waste generators.



Environmental Preservation and Innovation Centre (EPIC)

Serves as a centre of industry excellence and growth by facilitating partnership and collaboration while promoting access to information, innovation and learning.

Satellite Facilities

- Satellite Waste Storage Facility (Sabah)
- Satellite Waste Management Facility (Johor)



Supply Chain



As a leader in logistics and marketing services for scheduled waste management, we are committed in providing holistic services to meet each and every waste generator's needs. With a comprehensive network of branch offices nationwide, we ensure all our customers' request will be handled with utmost proficiency and efficiency.

All of our lorries are designed to be compliant to the legal requirements and are licensed by Department of Environment (DOE), Malaysia. Our lorries are also fully equipped with Global Positioning Satellite (GPS) tracking system to enable close monitoring at all time. Our lorry drivers are fully licensed and trained on packaging, labelling and emergency response plan. We operate more than 50 lorries from 3 to 20 tonne curtain-sider lorries, tipper lorries, skip bins and IMO tanks.

Our Fleets



Scheduled Waste
Curtain Sider Lorry and Cargo Lorry



Clinical Waste
Box Lorry



IMO Tank



Vacuum Lorry



Tipper Lorry



Skip Bin

Collection & Supply Chain Procedure

Pre-Collection

WG sends their waste sample to Kualiti Alam for a preliminary evaluation

01

WG states their interest to subscribe to Kualiti Alam services

02

Kualiti Alam returns the signed SWTTA/SWRRRA back to WG

03

WG opens an account with Kualiti Alam by signing the SWTTA/SWRRRA

04

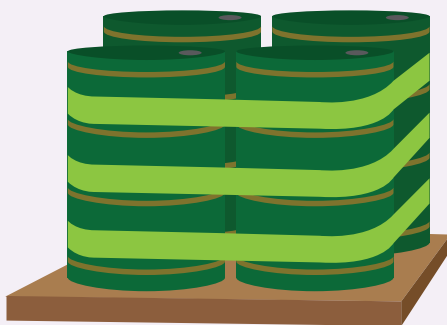
05

A preliminary quotation will be forwarded to WG

WG contacts Kualiti Alam for transportation upon readiness of waste collection

06

Collection



07

WG packs and labels waste in preparation for collection or contacts Kualiti Alam for packaging services

08

- Upon WG and Kualiti Alam agreeing on a collection date, a Digital Collection Transportation Instruction (DCTI) will be uploaded in EIWIS system for WG to acknowledge
- Upon receiving the confirmation from WG, Kualiti Alam e-mail instruction to Waste Management Centre
- WG proceeds to prepare E-Consignment Note (E-CN)

The waste is transported to the Waste Management Centre. WG is then notified through EIWIS on the status of the waste treatment or disposal

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NOTE

- WG : Waste Generator
- SWTTA : Scheduled Waste Transportation and Treatment Agreement
- SWRRRA : Scheduled Waste Recycling and Recovery Agreement
- EIWIS : Electronic Integrated Waste Information System
- ECN : E-Consignment Note
- DCTI : Digital Collection Transportation Instruction

Our Integrated Waste Management Centre

Legend

1. Admin Building & Laboratory
2. Emergency Response Command Centre (ERCC)
3. Effluent Treatment Plant
4. Leachate Treatment Plant
5. Vertical Secured Landfill
6. Clinical Waste Treatment Centre
7. Scheduled Waste to Energy
8. Incineration Plant 1
9. Solidification Plant
10. Physical/Chemical Treatment Plant
11. Pre-Treatment Facilities
12. Cenviro Recycling & Recovery Plant
13. Environmental Preservation & Innovation Centre (EPIC)
14. Waste Storage Area A
15. Waste Storage Area B
16. Waste Storage Area C
17. Waste Storage Area D
18. Waste Storage Area E
19. Assembly Point 1 - Futsal Court
20. Assembly Point 2 - ERCC
21. Assembly Point 3 - Post Sendayan
22. Assembly Point 4 - EPIC





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Our Facilities



Incineration Plant

- Capacity: 33,000 metric tonne of scheduled waste yearly
- 24 hours operation



Scheduled Waste to Energy (SWtE)

- Capacity: 33,000 metric tonne of scheduled waste yearly
- Power generation, 3.4 MWe or 27,200 MWh
- 24 hours operation



Physical & Chemical Treatment Plant

- Capacity: 5,000 metric tonne of scheduled waste yearly
- 8 hours operation



Solidification Treatment Plant

- Capacity: 23,000 metric tonne of scheduled waste yearly
- 8 hours operation



Clinical Waste Treatment Centre

- Capacity: 300 kilogramme per hour
- Zero emission technology
- Inert and landfill ready
- 24 hours operation



Vertical Secured Landfill

- Capacity: Minimum 1.5 million tonne over an area of approximately 45 acres
- Final disposal of residue and other solid scheduled waste
- 8 hours operation

Waste Management Flowchart

Waste Generator (WG)

- A marketing representative advises customer on proper waste packing and labelling to prepare waste for delivery to WMC
- To activate waste collection, a Scheduled Waste Transportation and Treatment Agreement (SWTTA) between the customer and Kualiti Alam has to be signed
- A marketing representative then coordinates the transportation vehicle deployment between the customers and Kualiti Alam

Waste Management Centre (WMC)

- Upon arrival at the WMC, the weight of the vehicle together with its contents are taken at the weighbridge
- Waste inspection and sampling team will conduct inspection and sampling of waste from each waste consignment
- The waste containers will be bar-coded and the data will be logged into our SAP Logistic System to ensure accurate and reliable retrieval of information
- Upon analysis and evaluation by our chemist, the waste consignment will be transferred to temporary storage and is ready for treatment or disposal

Treatment & Disposal

Scheduled Waste to Energy (SWtE)

The Incineration Plant in the WMC treats organic waste such as mineral oil waste, waste solvents, pesticide waste and wastes containing halogens and sulphur. Inorganic waste such as metal hydroxide sludge with more than 10% Total Organic Carbon (TOC) are incinerated at this plant.

Slag from rotary kiln is disposed off to the Vertical Secured Landfill while fly ash trapped in the fabric filter is further treated at the Solidification Plant.

Meanwhile our SWtE Plant generates as much as 3.4 MWe green power which is sold to the national grid.

Physical / Chemical Treatment (PCT) Plant

Inorganic liquid wastes such as spent acid and alkaline, chromate and cyanide wastes are treated at this plant. The residual filter cake is treated at the Solidification Plant before it is finally disposed in the Vertical Secured Landfill.

Solidification Plant

This plant continues the process of rendering the treated wastes from the PCT Plant and other processes by solidifying the waste via fixation before disposal to Vertical Secured Landfill. Some of the inorganic solid wastes such as metal hydroxide sludge which failed the Toxicity Characteristic Leaching Procedure (TCLP) test are also treated at this plant.

Clinical Waste Treatment Centre

AMB-Serial 250-Ecosteryl with zero emission technology, no harmful effects, no water, no steam, no odour, no burning or smoke and is capable to process up to 300 kilogramme per hour. The residue from the process is inert and landfill ready.

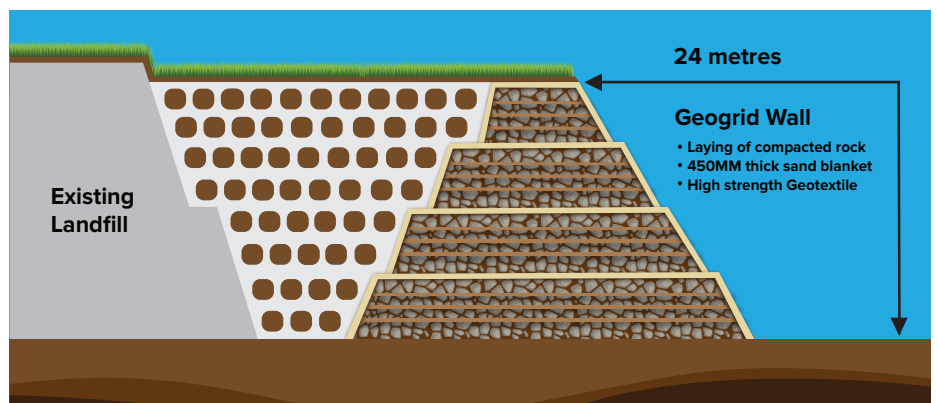
Innocuous Waste



Vertical Secured Landfill

The final destination of all wastes sent to the WMC is the Vertical Secured Landfill. Wastes which meet with the Direct Landfill Waste Acceptance Criteria, including the TCLP test and the 10% limit on TOC, can be disposed off at the Vertical Secured Landfill directly without treatment.

The 13 leachable metals listed under the TCLP test are arsenic, barium, boron, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, tin and zinc.



Recycling and Recovery

CENVIRO offers a spectrum of end-to-end scheduled waste recycling and recovery services through CENVIRO Recycling & Recovery (CRR). It covers various categories of scheduled waste based on the 4R concept of Reduce, Reuse, Recycle and Recover.

Our expertise in recycling and recovery activities has progressively expanded in the last two decades by transforming CRR from recycling and recovery company into Resource Management Business in tandem with the 'Reimagining Resources' tagline. Through innovation and technology, we offer our customers value added services in recycling solutions by reintroducing a valuable material back into the circular economy on top of conserving valuable natural resources, saving energy and reducing CO2 emissions etc.

CRR has the license to recover 13 Scheduled Waste Codes, with full recovery of spent oil and solvent, and partial recovery of e-waste and specific waste (i.e. e-waste, paper insulated lead cable ("PILC"), and transformer units).

Our 100% recycled copper, mild steel, silicone steel, aluminium and many more are processed in environmentally responsible manner with quality for finished products resale.



Capability & Facilities

Full Recovery				
Facility	Solvent Recovery Plant	Oil Recovery Plant	Empty Container Recovery Plant	Plastic Recycling & Recovery Plant
SW Code	<ul style="list-style-type: none"> SW322 SW323 SW325 SW417 SW418 	<ul style="list-style-type: none"> SW305 SW306 SW307 SW314 	<ul style="list-style-type: none"> SW409 	<ul style="list-style-type: none"> SW409
Source	Solvent waste from normal industries	Oil waste from power generation industries and normal industries	Empty drum / container and Carboys from normal Industries	Empty drum / container and Carboys from normal Industries
Finish Products	<ul style="list-style-type: none"> Mixed solvent Thinner Iso Propanol Alcohol (IPA) Acetone 	<ul style="list-style-type: none"> Lube oil Hydraulic oil Gear oil Transformer oil Reconstitute oil 	<ul style="list-style-type: none"> Drum press Shred plastic IBC tote Carboy / Jerrycan 	<ul style="list-style-type: none"> Shred plastic IBC tote Carboy / Jerrycan
Partial Recovery (may be expanded to full recovery in the future)				
Facility	E-waste Recovery Plant	Transformer Decontamination Plant	Paper Insulated Lead Cable (PILC) Recovery Plant	Storage
SW Code	<ul style="list-style-type: none"> SW110 	<ul style="list-style-type: none"> SW422 	<ul style="list-style-type: none"> SW421 	To store incoming waste and finished products.
Source	Electronic wastes i.e.	Used transformers	PILC	
Finish Products	<ul style="list-style-type: none"> Motherboard Aluminium Scrap wire Copper Mixed board Battery Metals scrap Plastic scrap 	<ul style="list-style-type: none"> Copper Mild steel Silicone steel 	<ul style="list-style-type: none"> Lead Aluminium Scrap metal 	

Packaging and Labelling Guide

Packaging

Proper packaging is vital for a safe transportation and handling of scheduled waste. WG shall be responsible for the right packaging, labelling, transportation and specification of the waste as stated in the Environmental Quality (Scheduled Wastes) Regulations 2005.

Packaging and Types of Waste

The following rules of thumb apply when selecting the appropriate packaging:

- **Liquid organic/inorganic waste:**
Bunghole drum (steel/plastic) or plastic pallet tank with stopper)
- **Solid waste and empty contaminated rags:**
One top drum (steel/plastic) with covers and clamp
- **Dry solid waste and contaminated rags:**
One-tonne polypropylene (PP) bag
- **Pharmaceutical and laboratory waste:**
Open top drums (steel/plastic) with cover and clamp

Standard Packaging Method

- **Bunghole drum (steel or plastic) for liquid waste**
Maximum dimension:
Height 90cm, Diameter 60 cm
Drum capacity up to 90% only
Maximum weight of a filled drum is 200 kilogramme
- **Open top drums with clamp for solid waste**
Maximum dimension:
Height 90cm, Diameter 60 cm
Drum not to be filled more than 10cm from the top
Drum must not be used for free fluids
- **One tonne Polypropylene (PP) bag:**
Must be double lined.
Bag should not be filled more than 10cm from the top.
Bag must not be used for free fluids
- **Pallet:**
All drums or bags must be fastened securely on a good condition pallet. This is to ensure that the waste is secured during transportation. The pallet size is 120cm X 120cm. The number of containers/packaging per pallet are as follows:
 - Drum - 4 drums per pallet
 - PP Bags - 1 bag per pallet

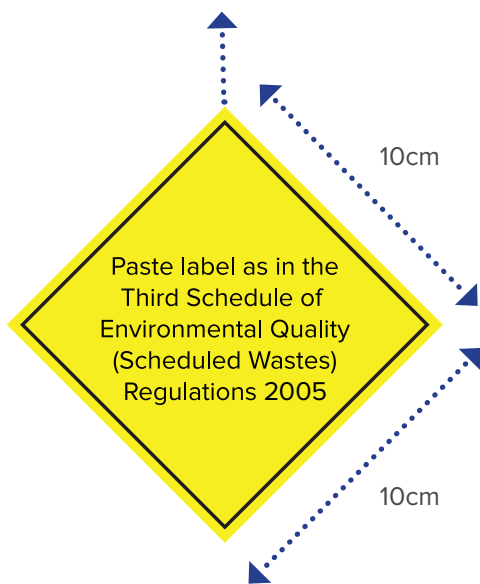
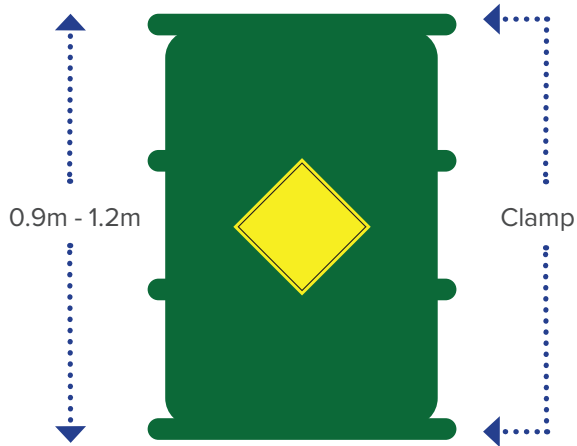
Choice of Appropriate Packaging

- The packaging must be durable, compatible with the waste and capable of withstanding transportation by lorry
- Packaging must be leak-proof
- The container must not be weakened by bulging, corrosion or tear

Labelling

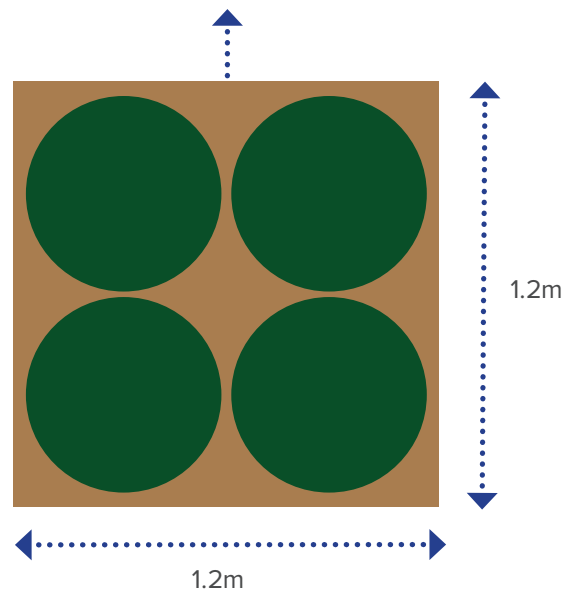
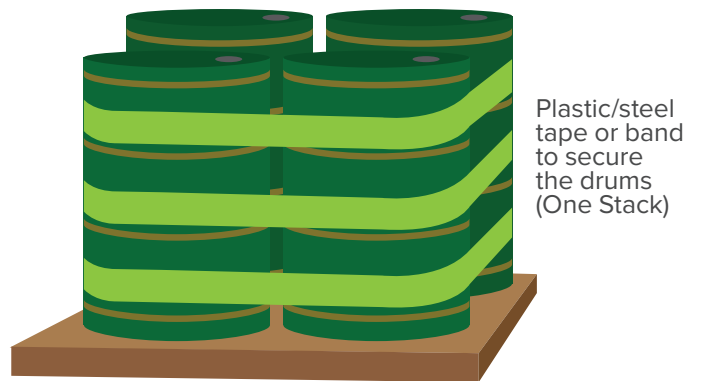
A few simple rules apply to the labelling of waste containers. The labelling must adhere to Regulation 10 of the Environmental Quality (Scheduled Wastes) Regulations 2005

- All obsolete marks and hazards label must be removed/erased
- The packaging is to be marked on the side with the following information
 - Name of Waste Generator
 - Address and telephone number of Waste Generator
 - Warning Label
 - Scheduled Waste Code (e.g SW410)
 - Date of First Waste Generated
 - Consignment Number (e.g 123456-001)
- The label must be square in shape and set at an angle of 45 degrees. The dimension of the label shall not be less than 10cm by 10cm except where the size of the container or package warrants a label of a smaller size
- The label may be of the following types:
 - Stick on
 - Metal plate
 - Stencilled or printed on the container or package
- All labels shall be able to withstand open weather exposure without a substantial reduction
- In case of waste with two or more scheduled waste code they must be distinctly identified and the waste to be labelled accordingly
- All markings on the packaging must be clear and easy to be identified



***Warning Label**

Side view of 4 drums on pallet



Top view of 4 drums on pallet

NOTE

X : KA Waste Group
SW 410 : Scheduled Waste Code
123456 : Consignment Code Number

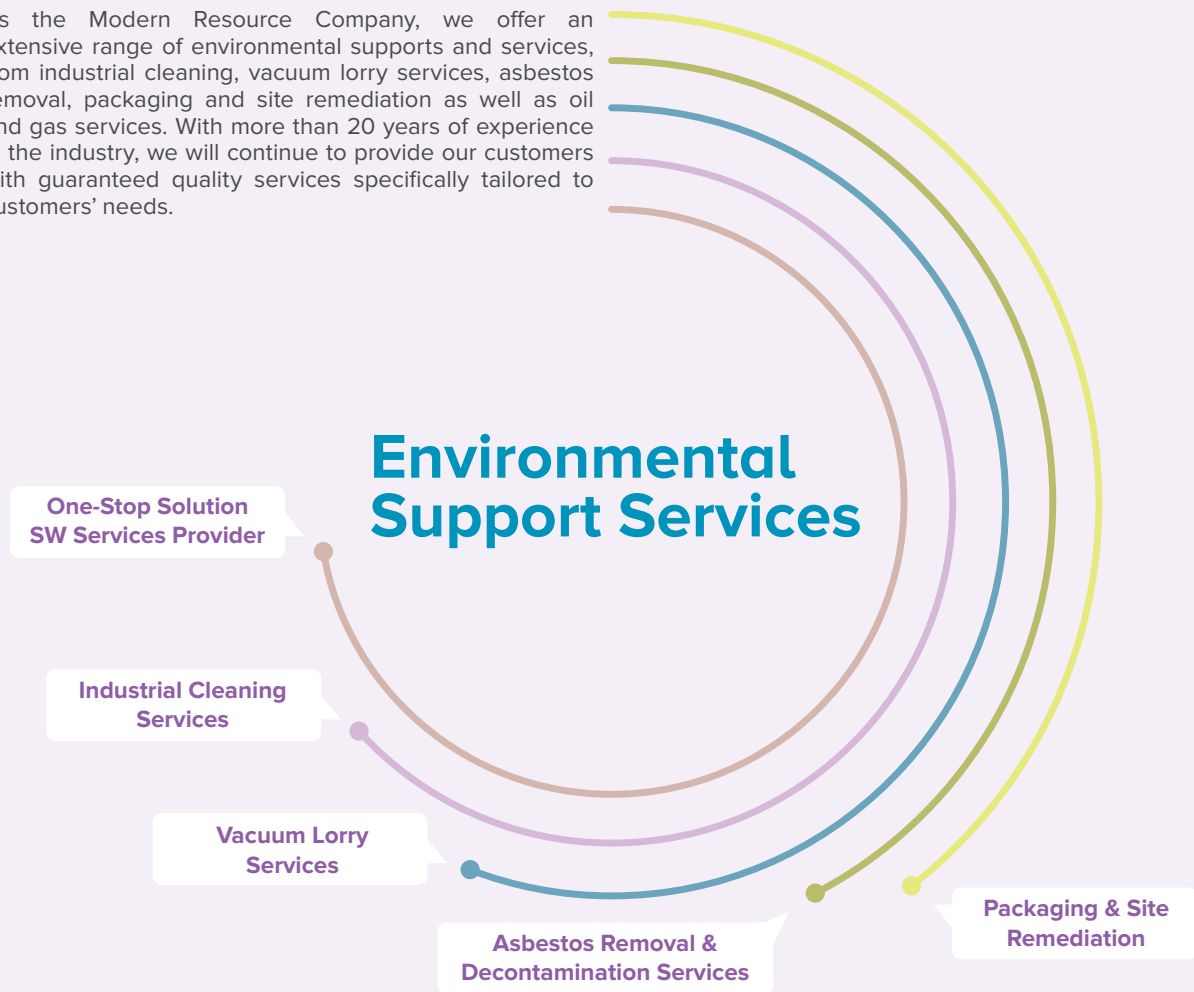
REMARKS

Loading : 3 tonne lorry - 3 pallets
: 8 tonne lorry - 10 pallets
: 12 tonne lorry - 12 pallets
: 20 tonne lorry - 18 pallets

* Warning labels are readily available at all Kualiti Alam Regional Offices

* Double stacking is allowed provided that total net weight does not exceed vehicle permitted weight

As the Modern Resource Company, we offer an extensive range of environmental supports and services, from industrial cleaning, vacuum lorry services, asbestos removal, packaging and site remediation as well as oil and gas services. With more than 20 years of experience in the industry, we will continue to provide our customers with guaranteed quality services specifically tailored to customers' needs.



SW One-Stop Solution Services Provider

Scheduled Waste Management Services
(Consultancy and Operation Services)

- Waste Minimization
- Waste Lab Analysis (Waste Acceptance Criteria)
- Storage Management
- Water Management

Industrial Cleaning Services

- Separation technologies - decanters & stack centrifuge
- Emergency spill response services
- Chemical vacuum lorry services
- Decontamination and chemical cleaning of vessels, tanks and pipelines
- Decontamination of penicillin / buildings
- Safety, Health & Environmental Consultation
- Cleaning of lagoons, ponds, lakes, dams - desludging, desilting.
- River clearing and beautification
- Decontamination of polluted site (On-site and off-site treatment)

Vacuum Lorry Services

- Highly trained operators, versatile fleets, lower cost
- Range from 8m³ to 10m³ storage capacity
- Vacuum capability of 28Hg and airflow 1200 - 1600 cfm

Asbestos Removal & Decontamination Services

- **Asbestos Survey, Removal and Disposal**
 - ◆ Asbestos Risk Management - survey and register
 - ◆ Accordance to UK Control of Asbestos at work Regulations (CAWR 2002) and Malaysia DOSH Regulations
- **Decontamination Services**
 - ◆ Remove light and heavy liquid hydrocarbons
 - ◆ Remove benzene, toluene, xylene and H₂S
 - ◆ Closed-loop system or steam
 - ◆ Decontamination to 0 LEL

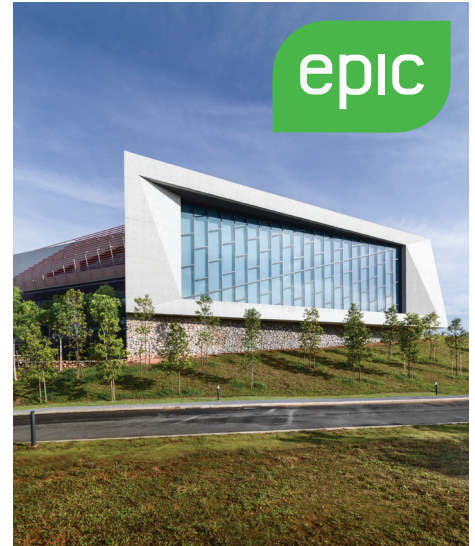
Packaging & Site Remediation

- On-site pre-treatment, packaging, labelling & drumming
- Transportation of scheduled waste to off-site treatment facility
- Illegal dumping site clearance and spillage waste management

Environmental Preservation and Innovation Centre

Environmental Preservation and Innovation Centre (EPIC) is the Centre of Excellence at Cenviro Ecopark in Sendayan Malaysia. EPIC specialises in training as well as research and development in waste-related matters in Malaysia and Asia. EPIC's goal is to develop national and institutional knowledge while also providing creative and reliable solutions for the complete spectrum of waste management and renewable energy.

“ EPIC aims to develop national institutional knowledge to provide innovative and reliable solutions for the complete spectrum of waste management ”



HUMAN CAPITAL AND CONTENT DEVELOPMENT

Institutionalise knowledge and safety capability in sustainability of resources as part of Circular Economic Model

INNOVATIONS AND ADVANCED TECHNOLOGY DEVELOPMENT

Coordinate and facilitate the creation of innovative solutions for waste management

PUBLIC AWARENESS AND SOCIAL RESPONSIBILITY

Increase public awareness, education and commitment in environmental through outreach programme, exhibition and workshop



Consultation



Audit and reports



A joint partner with Academia



Research and development



Competency and certification training



Sustainability reporting



An international collaborator for waste industry



Carbon emission calculation

ON GOING	04	ACCREDITATION <ul style="list-style-type: none"> Professional Certificate : Scheduled Waste Management / Municipal Solid Waste / Sustainability Reporting National Skills Certificate : NDTS - Scheduled Waste Operation Supervision / Management Recognition Prior Experiential Learning : Scheduled Waste / Municipal Solid Waste / Sustainability 	Professional Certificate / National Skills Certificate by Local University / Agencies
		CONTINUOUS PROFESSIONAL DEVELOPMENT (CPD) <ul style="list-style-type: none"> Scheduled Waste Risk Assessment / Healthcare Waste Management Waste Management Going Green / Scheduled Waste Analysis & Characteristic Best Practice in Packaging, Labelling & Storage / Construction Site Waste Management and Sustainability 	Certificate of Attendance / Completion by Local Agencies
		INDUSTRY DRIVEN PROGRAM <ul style="list-style-type: none"> Introduction to Scheduled Waste Management Safe Handling of Chemical Life Cycle Assessment & Carbon Footprint 	Certificate of Attendance by EPIC
		FOUNDATION <ul style="list-style-type: none"> Overview of Scheduled Waste Management Revenue Creation via Circular Economy Clinical Waste User Training 	

Recycle for Life

About Recycle for Life

Recycle for Life is a recycling program that rewards cash value through the use of a smart card.

Recycle for Life is Cenviro's CSR initiative to enhance public practice in recycling activities.

Objective

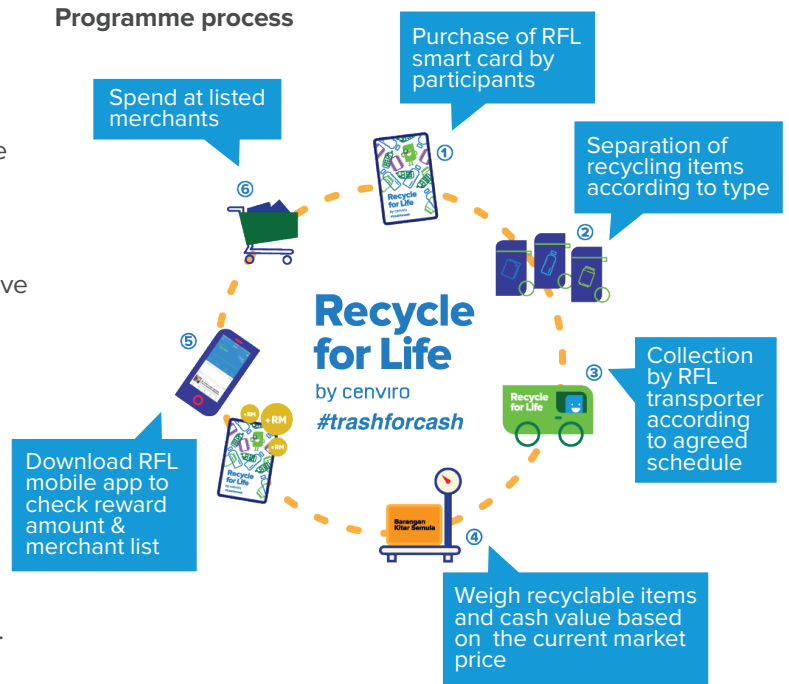
- Support Government in separation at source initiative
- Reduce dependency on landfills in the country
- Encourage 4R programme (Reduce, Reuse, Recycle and Recover)

How it works?

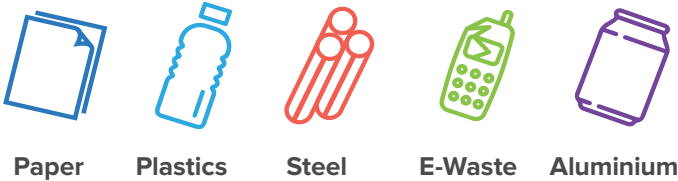
Through Recycle for Life collection, we will collect recyclables items, weigh them and credit cash value into the Recycle for Life smart card based on the current market price.

The smart card can be used for any purchase of goods at selected hypermarkets and partner outlets.

Programme process



Type of recyclable items



RFL impacts

3,454,585kg
Recycle items collected from 2018 until Nov 2021

346
Participating schools

406
Participating agencies and corporations

67
Merchant outlets



RFL's presence in Kedah, Perlis, Kuala Lumpur, Selangor and Negeri Sembilan



Environmental Quality (Scheduled Wastes) Regulation 2005

First Schedule (Regulation 2)

SW 1 Metal and Metal-Bearing Wastes

SW 101	Waste containing arsenic or its compound
SW 102	Waste of lead acid batteries in whole or crushed form
SW 103	Waste of batteries containing cadmium and nickel or mercury or lithium
SW 104	Dust, slag, dross or ash containing aluminium, arsenic, mercury, lead, cadmium, chromium, nickel, copper, vanadium, beryllium, antimony, tellurium, thallium or selenium excluding slag from iron and steel factory
SW 105	Galvanic sludges
SW 106	Residues from the recovery of acid pickling liquor
SW 107	Slags from copper processing for further processing or refining containing arsenic, lead or cadmium
SW 108	Leaching residues from zinc processing or dust and sludges form
SW 109	Waste containing mercury or its compound
SW 110	Waste form electrical and electronic assemblies containing components such as accumulators, mercury-switches, glass from cathode-ray and other activated glass or polychlorinated biphenyl-capacitors, or contaminated with cadmium, mercury, lead, nickel, chromium, copper, lithium, silver, manganese or polychlorinated biphenyl

SW 2 Waste containing principally inorganic constituents which may contain metals and organic materials

SW 201	Asbestos waste in sludges, dust or fibre forms
SW 202	Waste catalysts
SW 203	Immobilized scheduled wastes including chemically fixed, encapsulated, solidated or stabilized sludges
SW 204	Sludges containing one or several metals including chromium, copper, nickel, zinc, lead, cadmium, aluminium, tin, vanadium and beryllium
SW 205	Waste gypsum arising from the chemical industry or power plant
SW 206	Spent inorganic acids
SW 207	Sludges containing fluoride

SW 3 Waste containing principally organic constituents which may contain metals and organic materials

SW 301	Spent organic acids with pH less to 2 which are corrosive or hazardous
SW 302	Flux waste containing a mixture of organic acids, solvents or compounds of ammonium
SW 303	Adhesive or glue waste containing organic solvents excluding solid polymeric materials
SW 304	Press cake from pre-treatment of glycerol soap lye
SW 305	Spent lubricating oil
SW 306	Spent hydraulic oil
SW 307	Spent mineral oil-water emulsion
SW 308	Oil tanker sludges
SW 309	Oil-water mixtures such as ballast water
SW 310	Sludges from mineral oil storage tank
SW 311	Waste oil or oily sludges
SW 312	Oily residue from automotive workshop, service station, oil or grease interceptor
SW 313	Oil contaminated earth from re-refining of used lubricating oil
SW 314	Oil sludges from oil refinery plant maintenance operation
SW 315	Tar or tarry residue from oil refinery or petrochemical plant
SW 316	Acid sludge
SW 317	Spent organometallic compounds including tetraethyl lead and organotin compounds
SW 318	Waste, substances and articles containing or contaminated with polychlorinated biphenyls (PCB) or polychlorinated triphenyls (PCT)

SW 319	Waste of phenols or phenol compounds including chlorophenol in the form of liquids or sludges
SW 320	Waste containing formaldehyde
SW 321	Rubber or latex wastes or sludges containing organic solvents or heavy metals
SW 322	Waste of non-halogenated organic solvents
SW 323	Waste of halogenated organic solvents
SW 324	Waste of halogenated or unhalogenated non-aqueous distillation residues arising from organic solvents recovery process
SW 325	Uncured resin waste containing organic solvents or heavy metals including epoxy resin and phenolic resin
SW 326	Waste of organic phosphorus compound
SW 327	Waste or thermal fluids (heat transfer) such as ethylene glycol

SW 4 Waste which may contain either inorganic or organic constituents

SW 401	Spent alkalis containing heavy metals
SW 402	Spent alkalis with pH more or equal to 11.5 which are corrosive or hazardous
SW 403	Discarded drugs containing psychotropic substances or containing substances that are toxic, harmful, carcinogenic, mutagenic or teratogenic
SW 404	Pathogenic waste, clinical waste or quarantined materials
SW 405	Waste arising from the preparation and production of pharmaceutical product
SW 406	Clinker, slag and ashes from scheduled waste incinerator
SW 407	Waste containing dioxins or furans
SW 408	Contaminated soil, debris or matter resulting from cleaning-up of a spill of chemical, mineral oil or scheduled wastes
SW 409	Disposed of containers, bags or equipment contaminated with chemicals, pesticides, mineral oil or scheduled wastes
SW 410	Rags, plastic, papers or filter contaminated with scheduled wastes
SW 411	Spent activated carbon excluding carbon from the treatment of potable water and processes of the food industry and vitamin production
SW 412	Sludge containing cyanide
SW 413	Spent salt containing cyanide
SW 414	Spent aqueous alkaline solution containing cyanide
SW 415	Spent quenching oils containing cyanides
SW 416	Sludges of inks, paints, pigments, lacquer, dye or varnish
SW 417	Waste of inks, paints, pigments, lacquer, dye or varnish
SW 418	Discarded or off-specification inks, paints, pigments, lacquer, dye or varnish products containing organic solvent
SW 419	Spent di-isocyanates and residues of isocyanate compounds excluding solid polymeric material from foam manufacturing process
SW 420	Leachate from scheduled waste landfill
SW 421	A mixture of scheduled wastes
SW 422	A mixture of scheduled waste and non-scheduled wastes
SW 423	Spent processing solution, discarded photographic chemicals or discarded photographic wastes
SW 424	Spent oxidizing agent
SW 425	Waste from the production, formulation, trade or use of pesticides, herbicides or biocides
SW 426	Off-specification products from the production, formulation, trade or use of pesticides, herbicides or biocides
SW 427	Mineral sludges including calcium hydroxides sludges, phosphating sludges, calcium sulphite sludges and carbonated sludges
SW 428	Waste from wood preserving operation using inorganic salts containing copper, chromium or arsenic of fluoride compounds or using compound containing chlorinated phenol or creosote
SW 429	Chemicals that are discarded or off-specification
SW 430	Obsolete laboratory chemicals
SW 431	Waste from manufacturing or processing or use of explosive
SW 432	Waste containing, consisting of or contaminated with, peroxides

SW 5 Other wastes

SW 501	Any residues from treatment or recovery of scheduled wastes
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Environmental Quality (Scheduled Wastes) Regulation 2005

Fourth Schedule (Regulation 2)

SCHEDULED WASTE OF POTENTIAL INCOMPATIBILITY

The mixing of waste in Group A with waste in Group B may have the following potential consequences:

<p>Group 1-A</p> <p>Alkaline caustic liquids Alkaline cleaner Alkaline corrosive liquid Caustic wastewater Lime sludge and other corrosive alkalies</p> <p>Potential consequences: Heat generation, violent reaction</p>	<p>Acid sludge Chemical cleaners Electrolyte, acid Etching acid, liquid or solvent Pickling liquor and other corrosive acid Spent acid Spent mixed acid</p>
<p>Group 2-A</p> <p>Asbestos Beryllium Unrinsed pesticide containers Pesticides</p> <p>Potential consequences: Release of toxic substance in case of fire or explosion</p>	<p>Group 2-B</p> <p>Solvents Explosives Petroleum Oil and other flammable wastes</p>
<p>Group 3-A</p> <p>Aluminium Beryllium Calcium Lithium Magnesium Potassium Sodium Zinc powder and other reactive Metals and metal hydrides</p> <p>Potential consequences: Release of toxic substance in case of fire or explosion</p>	<p>Group 3-B</p> <p>Any waste in group 1-A or 1-B</p>

Environmental Quality (Scheduled Wastes) Regulation 2005

Fourth Schedule (Regulation 2)












SCHEDULED WASTE OF POTENTIAL INCOMPATIBILITY

The mixing of waste in Group A with waste in Group B may have the following potential consequences:

<p>Group 4-A</p> <p>Alcohol</p> <p>Potential consequences: Fire, explosion or heat generation of flammable toxic gases</p>	<p>Group 4-B</p> <p>Any concentrated waste in Group 1-A or 1-B Calcium Lithium Metal hydrides Potassium Sodium Water reactive wastes</p>
<p>Group 5-A</p> <p>Alcohols Aldehydes Halogenated hydrocarbons Nitrated hydrocarbons and other Reactive organic compounds and solvents Unsaturated hydrocarbons</p> <p>Potential consequences: Fire, explosion or violent reaction</p>	<p>Group 5-B</p> <p>Concentrated waste in Group 1-A or 1-B Group 3-A wastes</p>
<p>Group 6-A</p> <p>Spent cyanide and sulphide solution</p> <p>Potential consequences: Generation of toxic hydrogen cyanide or hydrogen sulphide gas</p>	<p>Group 6-B</p> <p>Group 1-B</p>
<p>Group 7-A</p> <p>Chlorates and other strong oxidizers Chlorites Chromic acid Hypochlorites Nitrates Nitric acid Perchlorates Permanganates Peroxides</p> <p>Potential consequences: Fire, explosion or violent reaction</p>	<p>Group 7-B</p> <p>Organic acids Group 2-B Group 3-B Group 5-A Waste and other flammable and combustible wastes</p>

Warning Label and Waste Clarification Group

Third Schedule (Regulation 10)

Warning Labels	EQ(SW)R 2005 3rd Schedule	Warning Labels	EQ(SW)R 2005 3rd Schedule
	Label 1 Symbol (exploding bomb): Black Background: Light Orange		Label 7 Symbol (flame over circle): Black Background: Yellow
	Label 2 Symbol (flame): Black or White Background: Red		Label 8 Poisonous (toxic) substances Symbol (skull and crossbones): Black Background: White
	Label 3 Symbol (flame): Black or White Background: With white vertical red stripes		Label 9 Symbol (3 crescents superimposed on a circle): Black Background: White
	Label 4 Substance liable to spontaneous combustion Symbol (flame): Black Background: Upper half white; lower half red		Label 10 Symbol (Liquid, spilling from two glass vessels and attacking a hand and a metal): Black Background: Upper half white; lower half Black
	Label 5 If substance is in contact with water it will emit inflammable gases Symbol (flame): Black or white Background: Blue		Label 11 Symbol: Nil; Background: White with upper half vertical black stripes
	Label 6 Symbol (flame over circle): Black Background: Yellow		

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