

aluminium cans

Worth Knowing

- Aluminium cans are a valuable material to recycle because of the large amount of energy and resources used in the initial manufacturing.
- In Australia around 1 billion of these cans still end up in landfill each year instead of being recycled. That's around \$15 million worth.
- Each single can we recycle saves enough electricity to run a TV for 3 hours. Recycling one kilogram of cans saves 20kg of greenhouse gas from the atmosphere.

Worth Knowing

- Whatever you do, don't put cans in the rubbish. Just save them up somewhere out of the way for recycling (if you prefer, you can crush them to save space, it is a great stress reliever!)
- Our recommendation is to think local - many schools and community organisations such as Scouts groups collect cans as a form of fundraising.
- Most residential kerbside collections will gladly accept aluminium cans. Some scrap metal dealers will also take aluminium cans although they tend to only offer payment for larger amounts. The Yellow Pages can help you find someone close to you.

For more information contact the Recycle @Work Hotline on 1800 819 000.

Contacts:

Armadale Waste Disposal Facility
Hopkinson Road
Armadale WA 6111
Telephone: 9399 3935



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batteries household

Worth Knowing

- Normal batteries are now being manufactured with less toxic materials to reduce the environmental problems of disposal but it is still best to keep them out of landfills
- Primary batteries are the non-rechargeable consumer batteries. They make up the majority of batteries most of us are familiar with and are often called 'dry cell' batteries. Primary batteries are manufactured in three shapes; cylindrical (AAA, AA, C and D sizes), rectangular (six and nine volt sizes) and the 'button' batteries.
- A very large number of batteries are disposed of each year. Approximately 18 million cylindrical batteries and 0.5 million button cells are thrown away in WA each year.
- The main battery components that can create environmental and health problems are mercury, silver and lithium.
- Western Australia's Waste Management Board advises that it is considered acceptable to dispose of small numbers of the following batteries in landfill. But if in any doubt, contact your local council.

Worth Doing

- Avoid the use of disposable batteries wherever possible. Ask for rechargeable options.
- Rechargeable battery kits are available from hardware stores.
- Collect your batteries at home and contact your local council for disposal advice. Many local councils now run free 'collection' days for dangerous items like batteries that are best kept out of the rubbish bin.

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batteries nickel cadmium or ni-cad

Worth Knowing

- Nickel Cadmium or 'Ni-Cad' batteries are widely used as a portable power source but cadmium is a highly mobile and toxic substance. This means it is not only very poisonous, but it also moves easily through the environment affecting many species, including fruits vegetable and grass. From here it can build up to toxic levels in humans. Please never throw Ni-Cad batteries away in general rubbish.
- The advantage of nickel cadmium batteries is that they are rechargeable. They have a two to five year shelf life and can be recharged between 500 and 2000 times.
- Ni-Cad batteries are commonly used for emergency lighting, jet and diesel engine ignition, laptop computers, mobile phones, power tools and medical equipment.

Worth Doing

- The best option when a nickel cadmium battery runs down is to have the battery recharged or repacked. This usually costs less than a new battery, and enhances battery performance.
- Ni-Cad Batteries which display a recycling symbol may be directly returned to the manufacturer in accordance with the direction of the Trade Practices Commission.
- A large quantity of used batteries can be dangerous if stored together. They should be packed with inert cushioning material in a fibreboard box, wooden box or wooden slatted crate. Batteries should also be kept away from heat sources. The Department of Transport should be contacted before transporting a significant quantity.

Contacts:

For details about battery repackers, refer to the Yellow Pages under the heading "batteries".

Alternatively, contact your local council about a collection service or take to a collection point if available (eg; jeweller for silver button batteries).

Your nearest Battery World store by calling 13 17 60 or looking at www.batteryworld.com.au.



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bicycles

Worth Knowing

- The more bikes we use, the better. Cycling is good fun, good for your body and good for the environment (not to mention the hip pocket!)
- Encourage your employees and colleagues to cycle to and from work more.
- Bicycles are built from many components, most of which can be repaired or reuse. Dumping an old or unwanted bike wastes large amounts of resources and misses an opportunity to give someone else a bike.

Worth Doing

If you have a bicycle that you would like to dispose of, contact your preferred charity collection service or:

BTEC Australia

Bicycle Trekking Exercise Camp

Brian Montgomery

10 Rochford way Girrawheen

Mobile Phone: 0421 702 778

Telefax: (08) 9247 5461

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books & magazines

Worth Doing

- Reuse is the best option with books and magazines
- Magazines can be recycled in most kerbside programs.
- Some local libraries are grateful for contributions of books in good condition but don't be offended if they say "No thanks" - most have strict collection policies that may prevent their acceptance. Ring and ask first.
- Many second book dealers will accept and in some cases reimburse you for your books and magazines. Try the Yellow Pages "Books- Second-hand" for names and locations.
- Books can also be taken to a charity collection such as those below - they will resell or reuse most and recycle the rest. Small amount should be dropped off at a collection centre of store. Larger amounts will often be collected. If in any doubt, contact the organisation direct.

Examples include:

Save the Children Fund

Tel: 9440 6411, 77 Wanneroo Rd, Tuart Hill

St Vincent De Paul Society

Tel: 9444 5622, 59 Edward Street,, Osborne Park, WA 6017

RSPCA Society Stores

Tel: 9248 3155 (General info line)

Perth Head Office. 108 Malaga Drive (Cnr Reid Hwy), Malaga

Website: www.rspcawa.asn.au/Help/Stores.htm

Good Sammy Shops

Tel: 9455 1222, 47 Magnet Rd, Canningvale

Website: www.gsi.org.au

Beehive Industries

Tel: 9328 3830 or Mobile: 0418 898 400

69-73 Brewer St. Perth

Email: beehiveindustries@bigpond.com

Salvation Army

Tel: 9351 8588

Website: www.salvationarmy.org.au/familystores/wa.html



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brake fluid

Worth Knowing

- A car's brake (and sometimes clutch) system typically contains approximately 250-350 ml of fluid. There are approximately 1.65 million registered vehicles in WA (and 825 000 off road vehicles) so that's a lot of brake fluid out there!
- Brake fluid is water-soluble and can cause ground water pollution and skin irritations.
- The main reason for discarding brake fluid is because it has absorbed moisture which has lowered its boiling point and reduced braking performance.
- Used brake fluids are combustible and need to be properly managed. They can also be a slip hazard if spilt on the ground.

Worth Doing

- Oil recyclers may blend small quantities of brake fluids with used engine oils for use as furnace fuel.
- Large quantities should be separated for treatment by a licensed waste treatment facility
- Spillages are slippery so wherever possible they should be scooped up and stored in properly labelled containers for disposal. You can also absorb the fluid with substances such as sand, soil or another inert material and store awaiting disposal. Wash the contaminated area with detergent and excess water. Small quantities of spilt brake fluids, absorbed onto inert materials may be suitable for co-disposal with municipal waste in sanitary landfills, check with your local council.

Below are some businesses/companies that deal with used brake fluids:

Environmental Recovery Services

Tel: 9493 1770, 6 Carole Road, Maddington WA 6109

Website: www.environmentalrecovery.com

Wren Oil

Tel: 9725 4847, 4/37 Harris Road, Picton, WA 6229

Email: wrenoil@bigpond.com.au

If you would like more information on recycling brake fluids, call the Department of the Environment (08) 9222 7000.



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building & demolition waste

Worth Knowing

- Typically, around 50% of the waste going into WA's landfills is construction and demolition waste (by weight)
- Most people are surprised at how much construction and demolition material can be prevented or recycled, rather than wasted.
- Materials such as timber, windows, reticulation, doors, tiles, bricks, sand, concrete and topsoil can be reused and recycled.

Worth Doing

- Only hire building professionals which take responsibility for waste prevention on site.

Contact

Any demolition contractors in the Yellow Pages

Local Council

Department of Environment's Clean Site program 9364 6447

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cable

PVC coated household and industrial

Worth Knowing

- Scrap metals such as copper are very worthwhile recycling for both economic and environmental reasons.

Worth Doing

Contact

Total Metal Recyclers

Contact: David Russell

Telephone: 0417 000 162

Fax: 9524 7099

Email: jishukan@bigpond.com

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Cadmium

Worth Knowing

- Cadmium is very tricky stuff. It is readily taken up by plant roots and accumulates in fruit, vegetables and grass.
- It also accumulates in fish, shellfish and in animals, including us. Cadmium compounds are also toxic as a vapour.
- It is important to keep cadmium out of the environment to reduce contamination.
- Cadmium wastes arise from mining, refining, manufacturing, combustion of fossil fuels, superphosphate fertiliser and in zinc products.
- Significant quantities of cadmium are used in:

Paints and pigments
Electroplating
Plastics
Nickel-cadmium batteries
Alloys and
Phosphors.

Worth Doing

- As there is no completely satisfactory disposal solution, it is absolutely crucial that we make every effort possible to prevent cadmium wastes. Industries generating cadmium wastes must ensure that all necessary steps are taken to recover and recycle cadmium.
- Disposal is the last management option for cadmium wastes. Fixation and/or encapsulation in cement or an alternative matrix may be suitable. A professional waste management contractor should be contacted for advice on encapsulation and fixation of wastes.
- Please contact the Department of Environmental Protection Controlled Waste Branch (08) 9222 7000 or the Health Department on 9388 4999 for more details.



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Car batteries

(Lead acid)

Worth Knowing

- Lead is called a 'metabolic poison' and has an adverse effect on blood cells. Lead is also a cumulative poison in our bodies - it can gradually build up over time to a level at which illness occurs.
- There are ~ 1.65 million registered vehicles in WA and 825 000 off road vehicles. This results in about 800 000 vehicle batteries that need to be disposed of each year. This is equivalent to 12 000 tonnes of waste lead-acid batteries. Each lead acid battery contains about 2-3 litres of battery acid.
- It is illegal to throw a used lead-acid battery away and now lead-acid batteries can be re-conditioned in WA. This process works very well and the lead plates are restored back to new battery standards.

Worth Doing

- Almost all scrap metal merchants will accept used lead-acid batteries for recycling.
- A collection service is available at most landfills, transfer stations, service stations, automotive workshops and local councils.
- Contact your local council or look under 'Scrap Metal Dealers' in the Yellow Pages.
- The battery re-conditioning service is currently available through Battery Re-conditioning Systems (BRS) (08 9298 8019).
- Other battery re-conditioning services may also be available - we'd love to hear about them.
- For more information on treatment or disposal, contact the Department of Environment (08) 9222 7000
- For more information about health effects of lead, contact the Health Department of WA (08) 9388 4999.

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Cardboard

Worth Knowing

- Cardboard is one of the easiest and most environmentally effective materials to recycle.
- The fibre in cardboard has already been processed so recycling it saves large amounts of water (up to 99% less) and energy (up to 50% less) and reduces the need for virgin fibre from trees. It also produces up to 90% less by-products such as chemical wastes.
- Each kg of cardboard recycled saves up to 1kg of greenhouse gases - and helps create local jobs.
- Australia currently uses around 3.5 million tonnes of paper and cardboard (~16 000 large semi-trailers) but only recycles about half of that.
- More than 80% of Australia's paper and cardboard packaging is made from recycled fibre. Recycled cardboard can also be made into sound-proofing material, insulation and even furniture.

Worth Doing

- If you buy cardboard products, ask your supplier for options that are recycled, use the minimum of materials and/or can be returned for reuse.
- Ask around - other local businesses or community groups may be able to use your cardboard.
- Keep your cardboard as clean as possible - take off any plastics or polystyrene.

The best way to recycle cardboard depend on how much you have. The Recycle @ Work Hotline on 1800 819 000 can give you advice and contacts on which service would be best for your business.

- If you have a very large amount, your cardboard should be baled or compacted for professional collection. The Recycle @ Work hotline can give you information and contacts.
- Medium sized amounts can be collected in wool sacks or metal cages which can be provided by the collection service.
- Small amounts can now be collected from many areas via a cardboard-only "wheely" bin.



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- If you only have a very small amount of cardboard (eg only a few boxes a week) you might like to consider these options:
 - Flatten the boxes and then take them to your closest drop-off centre. Call our 1800 819 000 hotline for information locations.
 - Another business nearby may have a cardboard collection service that you could participate in. (In most cases these services charge for each collection, not the amount of waste, so they won't have to pay any more if you have added a little to a less-than-full load).
 - If there is no facility for collecting cardboard in your area, contact your local council for more information or to make a request that a service be provided.

For more information contact the Recycle @ Work Hotline on 1800 819 000.

Contact

Amcor Recycling

Tel: 9256 6100

3 Madison Street, Canning Vale, WA 6155

Email: amcorrecyclingwa@amcor.com.au

Cleanaway

Tel: 9449 3333/171

Camboon Road, Malaga

www.cleanaway.com.au

Western Recycling

39 Ledger Rd Balcatta 9344 5044283

Paper Recycling Industries

Treasure Rd Welshpool 9458 2181

Rockingham Landfill

Tel: 9524 2053

Millar Road, Baldivis, WA 6171

Email: millarroad@telstra.com.au

Visy Recycling

Tel: 9477 4894/3

39 Abernethy Road Belmont

www.visy.com.au



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Chemical containers

Worth Knowing

- Many dangerous substances are stored in drums including pesticides, cyanides and low flashpoint solvents. The large amounts being purchased mean there is a large quantity of waste drums and other containers in WA.
- Even when empty, drums that have been used to store dangerous substances can be a potential hazard to human health and the environment if not disposed of safely.
- In landfill they can contaminate both ground and surface water. Corrosion of empty drums left in landfill can result in a decrease in the pH level of leachate which can then pollute local water. Landfill operators may refuse to accept drums which have been used to store hazardous substances.

Worth Doing

- Reuse is the best option. Always check for reusability of the container before buying any dangerous chemicals (you can ask either the retailer or the manufacturer). The manufacturer may be able to assist with the transport of your used drums back to the factory for reuse.
- Chemical containers should be stored on a raised pallet over a concrete floor. This means any chemicals which do leak or spill during transfer don't affect the soil. Drums should also be kept under cover to prevent rainwater from washing any substances into the local water courses or soil.
- Drum re-conditioners operate under strict procedures to ensure personal and environmental safety. No chemicals are permitted to enter the watercourses or stormwater drains.
- The Drum Muster program can provide information on the management and safe disposal of chemical containers. For more information check out <http://www.drummuster.com.au>
- Drum re-conditioners clean and recycle empty drums. If your drum is not reusable by you or the manufacturer, take it to a re-conditioner to ensure that as little as possible of the drum is disposed of as waste.
- Drums can be recycled by a number of companies that are listed in the Yellow Pages under 'Drum Mfrs, Re-conditioners &/or Dealers.'
- Transporting any empty containers which have not been 'triple rinsed' without a permit or licence may be illegal. For information contact the Department of Environmental Protection. They will advise you of transport requirements and any collection programs in place.
- If in doubt about the health dangers of any chemical, please contact the Health Department of WA on 9388 4999



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Clothing

Worth Knowing

- Used clothes can be reused here in Australia or overseas. If they aren't in good condition for reuse they can be recycled for use as sound-absorption materials, insulation or stuffing.
- There are organisations operating in most areas of WA. Local phone books are useful to find them.

Worth Doing

- When you buy workplace clothing, choose items that will last well to reduce the need for clothing waste. Better quality is usually less expensive in the long run.
- Used clothes can be donated to second hand shops or charitable organisations which will resell them through charity groups, provide them to needy families here or overseas or recycle them into new products.

Contacts

St Vincent De Paul Society

59 Edward Street
Osborne Park, WA 6017
Telephone: 9444 5622
Clothing, furniture and household goods

RSPCA Society Stores

108 Malaga Drive (Cnr Reid Hwy),
Malaga WA 6090
Telephone: 9248 3155
Website: www.rspcawa.asn.au/Help/Stores.htm
Clothing, furniture and household goods

Good Samaritan Shops

Canning Vale WA 6155
Telephone: 9463 0500
Website: www.goodsamaritan.com.au
Clothing, furniture and household goods
For large, heavy or fragile items, please contact our Home Collection Service on 1300 855 130.

Beehive Industries

69-73 Brewer Street
Perth WA 6000
Telephone: 9328 3830 Mobile: 0418 898 400
Email: Beehiveindustries@bigpond.com



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Salvation Army

72 William Street
Beckenham WA 6105
Telephone: 9351 8588
1299 Albany Hwy
Cannington WA 6104
Telephone: 9356 5399
Clothing, furniture and household goods
Website: www.salvationarmy.org.au/familystores/wa.html

Anglicare

23 Adelaide Terrace
Telephone: 9263 2004
East Perth WA 6839
Household goods, electrical goods and clothes

Paraplegic-Quadriplegic Association of WA Inc

10 Selby Street
Shenton Pk WA 6011
Telephone: 9381 0111
Household goods, electrical goods and clothes
Email: PQI@paraquadwa.asn.au

Red Cross - Red Cross Shops

Telephone: 1800 810 710 or Telephone: 9225 1978
Clothing and household goods
Website: www.redcrosswa.asn.au

St Mary's Recycling Inc

5 Carnegie Street
West Kalgoorlie WA 6433
Telephone: 902 13269
Clothing and household goods
Email: stmarysrecycling@bigpond.com

Lifeline Recycled Fashion

141 Barrack St
Perth WA 6000
Telephone: 9421 1197



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Computers

Worth Knowing

- Discarded computers and other electronic equipment are a growing problem known as 'e-waste'. They take up a lot of space in landfill where they can leach harmful chemicals into the environment (eg lead and cadmium).
- The vast numbers of computers being used and upgraded every year makes millions of items unwanted and many people just 'dump' these without realising the harm they cause. Some industry professionals estimate that e-waste is growing at 3 times the rate of normal waste.
- Discarded computers often contain heavy metals such as lead from solder, or cadmium from batteries. Computer monitors, for example, can contain over 1 Kg of lead. If disposed of in landfill these heavy metals may leach into and contaminate the groundwater.
- Electronic equipment can often be reused or recycled which not only prevents these problems, it also saves resources by reducing the need for new products and can help disadvantaged people.
- Some old computers can be repaired or rebuilt by charity organisations who then donate them to the community groups or low income earners.
- Others can be separated into components which can then be reused and/or recycled separately. For example, copper is recovered from wiring and cables, steel is recovered from cases, gold and other metals can be recovered from circuit boards and plastics can be recovered from keyboard, monitors and cases.
- The good news is that electronics industry is rapidly becoming much better at designing machines to be recycling-friendly.

Worth Doing

Contacts

(please call before dropping off any material to these organisations)

Green PC Western Australia

Create jobs for disadvantaged people by recycling and reselling computers. They also provide computers for those who would otherwise be unable to access such technology.

381 Phoenix Road

Bibra Lake 6163 WA

Telephone: 9434 0530

Email: sumit@greenpc.com.au

Computer Angels Inc. (Not for profit organisation)

Telephone: 9258 8002

1/47 Tate St, Bentley WA

Web: <http://www.computerangels.org.au/contacts.shtml>

Email: computerangels@telstra.com



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TADWA - a major refurbisher of computer systems in WA

Web: www.tadwa.org.au
 Telephone: (08) 9379-3733
 Fax: (08) 9279-5111

Dell has launched a computer recycling programme in several cities in New Zealand and Australia, including Perth. According to the Dell website, disposing of used PCs in an environmentally friendly manner is now as simple as calling the toll free number: 1800 465 890 (Aus); or email recycling_dell_au@dell.com for details.

Collins Recycling Depot

16 Kembla Way
 WILLETTON WA 6155
 Telephone: 9457 3973

Computer RecycleIT Centre

Unit 2/27 Collingwood Street
 OSBORNE PARK WA 6017
 Telephone: 9244 9048
 Email: info@recycleit.net
 Web: <http://www.recycleit.net.au>

Computer Recycle IT Centre strip down the whole computer, and what can be reused gets reused locally. Technical materials such as old motherboards and circuitry, processors, cards, and hard drives are sent to America for recycling, and other bulkier materials are recycled locally. Nothing goes to landfill.

Direct Recycling

238 Balcatta Road
 BALCATTWA WA 6021
 Tel: 9344 8144

Contact - Warren or John

Environmentally friendly computer and printer disposal with nothing going to landfill.

Discount Computer Supplies

241 Railway Parade
 Maylands WA 6054
 Telephone: 9271 2756
 Email: sales@discount.com.au
www.discount.com.au

St Mary's Industries Inc

5 Carnegie Street
 West Kalgoorlie WA 6433
 Telephone: 902 13269
 Email: stmarysrecycling@bigpond.com



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Cooking Oil

Worth Doing

- Small amounts of oil can be buried in the backyard to be broken down by natural processes.
- Oil should not be poured down the sink or into drains.
- Companies that will remove large quantities of cooking oils and fats can be found in the Yellow Pages.



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Corks

Worth Doing

- Girl Guides collect corks through their local groups, Liquorland and Body Shop stores. These are turned into a range of materials including industrial safety mats. This is a very successful recycling program.

Contact the **Girl Guides** to find out your closest drop off area.

168 Burswood Road
Burswood WA 6100
Telephone: 9355 4586
Fax: 9355 4589



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Disposable Cameras

Worth Knowing

- These should be called "Recyclable cameras".
- Valuable plastics and other components are used to make these cameras. Putting them in the bin wastes these components - and the resources that were used to manufacture them.

Worth Doing

- Minimise your use of these cameras
- If you do use one - only take it to a photographic processing stores that participates in the manufacturers' take back recycling program for disposable cameras. If they don't know what you are asking about - go to another shop.



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Electronic Waste (E-waste)

Worth Knowing

- Electronic or 'e-waste' refers to most electric goods and includes things like computers, computer parts of all sorts, computer software, monitors, televisions, videos players, DVD players, CDs, tapes, discs etc.
- Electronic goods require huge amounts of energy and other resources to manufacture. They should not be wasted.
- They also contain significant amounts of many dangerous substances including arsenic, antimony, beryllium, cadmium, copper, lead, nickel, zinc and flame retardant. Many of these chemicals do not break down well naturally in the environment but instead build up in living tissues - including us - to toxic levels.
- Much work is now being done to prevent e-waste. Steel, glass, plastic and precious metals can all be recovered from e-waste.
- Many e-waste recycling initiatives across Australia have been designed to benefit not-for-profit and charitable organisations.
- Check for more information on these related recyclables:

Computer equipment

Printer & Copier cartridges

Home entertainment equipment including TVs, Video Recorders and DVD players

Mobile Phones

Photocopiers



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Engine Oil

Worth Knowing

- According to the Federal Department of Environment and Heritage, Australian's buy more than 500 million litres of oil each year, of which as much as two thirds is unaccounted for.
- Used oil, often called 'sump oil' can be cleaned of contaminants and recycled over and over again. Recycled oil has many uses including;
 - Industrial burner oil
 - Mould oil to help release products from their moulds (e.g. pressed metal products, concrete)
 - Hydraulic oil
 - Bitumen based products
 - An additive in manufactured products
 - Re-refined base oil for use as a lubricant, hydraulic or transformer oil.

Worth Doing

- A Commonwealth levy has been introduced on producers and importers of oil to fund a recycling program and encourage the recovery of used oil. (The levy does not apply to cooking or other biologically derived oils.)
- For more information on how and where you can recycle used oil, see the oil recycling website www.oilrecycling.gov.au



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Fire Extinguishers

Worth Knowing

- The portable fire extinguishers typically found in workplaces are generally pressurised vessels.
- If well maintained, most fire extinguishers should last many years.

Worth Doing

- Some types of extinguishers can be refilled and reused. Even if not reused, any unwanted extinguisher must be decommissioned safely by experts who can arrange for recycling of the components.
- Below are companies that take used or old fire extinguishers:

Wormald

1 Eyre Street,
Rivervale WA 6103
Telephone: 9479 2999

Chubb

36 Bannick Court,
Canning Vale WA 6155
Telephone: 9229 9900



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Fluorescent lights

Worth Knowing

- 'Fluoro' tubes are very energy efficient so are commonly used to light such places as office buildings. They are normally replaced as they fail or show a drop in efficiency.
- In Australia, it has been estimated that 40 million fluorescent tubes alone are disposed of each year.
- A major risk to human health and the environment from fluorescent tubes lies in the mercury content and other heavy metals present in the tubes. Each standard fluorescent tube contains 22.8 milligrams of mercury (although this is being reduced with technology). Mercury is silver in colour and is most often found in a liquid form, such as in mercury thermometers. It is highly poisonous and can accumulate in the body when inhaled as a vapour, absorbed through the skin or ingested with food.

Worth Doing

- Small amounts of fluorescent tubes (eg from a single household) can be disposed of in waste going to landfill but fluorescent tubes must not be disposed to inert landfills or thrown into bins with demolition waste and general industrial waste.

Contacts

Chemsal

Chemsal is based in Melbourne but offers a fluorescent tube recycling service in WA. Call 1800 500 052.

The mercury component of the globes is being recovered for reuse.

- Contact the Health Department on telephone 9388 4999 for more information on the risks associated with mercury.
- The greatest concern when storing fluorescent tubes is to protect them from breakage. An estimated 6.6% (1.5mg) of the mercury in broken tubes could be released to the air during storage and transportation. Waste fluorescent tubes thus need to be stored and transported in a responsible manner.
- Small amounts of fluorescent tubes (eg from a single household) can be disposed of in waste going to landfill - the mercury amount is small enough to pose little threat to the environment and the anaerobic (without oxygen) conditions buried in the landfill allow the mercury to combine to sulphur and this prevents it moving through the ecosystem easily.
- If a large number of fluorescent tubes are involved, disposal becomes a complex and important process. A professional waste management contractor should conduct such an operation.



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Foundry Waste

Worth Knowing

- A foundry is a workshop where metal or glass is made.
- Foundry wastes can be classed as potentially problematic wastes due to the presence of oil and grease, heavy metals and organic residues, from the binders used in casting sands.
- Foundry wastes contain heavy metals that may cause discolouration of the groundwater and cause pollution if they come into contact with groundwater. The many varied organic resins, solvents, activators (catalysts) and hardeners used in foundry sands are also a cause for concern.

Worth Doing

- Slags and metal drosses are generally collected by scrap metal merchants. These items are usually required to be in a condition acceptable for recycling, which may necessitate removal of excess grease and oil contamination.
- Recycling of waste foundry sands to other potential users can be a good idea if done well. Ask for help from the Department of Environment on 9222 7000 or Curtin University of technology's Cleaner production Unit on 9266 9266.
- In general, using 'Cleaner Production' principles can make a huge difference to foundry waste. Contact Curtin University's Cleaner Production Unit on 9266 9266 for more information.
- The Department of Environment is the regulatory authority for off-site disposal of problematic wastes in Western Australia. Contact the DoE, Controlled Waste Section on telephone (08) 9222 7000 for advice on management of foundry waste.
- Disposal should be regarded as a 'last resort' management option for foundry wastes.



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Furniture

Worth Knowing

- Furniture takes a great deal of resources to produce and, if dumped, takes up large amounts of space in landfill.
- Buying furniture that will last for a long time, recovering and restoring furniture are more resource-efficient options.

Worth Doing

- When purchasing furniture, we should all check for the renewability of the resource and only buy items which will last a long time and be worth repairing in the future.
- Furniture can be reused by a number of charity groups or second hand stores. Some businesses will also pay for used furniture. Look in the Yellow Pages under 'Furniture - Secondhand'
- Charity organisations that take used furniture include;

RSPCA Society Stores

Tel: 9319 1985 (General info line)
 Clothing, furniture and household goods
 108 Malaga Drive (Cnr Reid Hwy), Malaga
 Website: www.rspcawa.asn.au/Help/Stores.htm

Salvation Army

Tel: 9351 8588
 72 William St, Beckenham
 and at
 1299 Albany Hwy, Cannington
 Website: www.salvationarmy.org.au/familystores/wa.html

Good Samaritan Shops

Tel: 9463 0500
 Clothing and accessories, household goods and furniture, books and toys
 Canning Vale
 Website: www.goodsamaritan.com.au
 For large, heavy or fragile items, please contact our Home Collection Service on 1300 855 130.

Also

Armadale Waste Disposal Facility

Hopkinson Road
 Armadale WA 6111
 Telephone: 9399 3935



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Gas Bottles

Worth Knowing

Steel gas bottles, such as those used for BBQs can be recycled, but need to be properly degassed before they are processed. Not doing so can be very dangerous

Gas bottles should NOT be transported INSIDE a motor vehicle, rather in the boot and securely tied down or contained.

Worth Doing

Old gas bottles must not be put in waste or recycling bins. This is extremely dangerous.

Take your bottles for disposal to your nearest landfill site or waste transfer station, or contact your local council for further details about disposing of these safely.



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Glass containers

Worth Knowing

- Humans have been using glass for 5000 years - since the Phoenicians
- Glass bottles and jars are 100% recyclable and can be recycled hundreds of times. Making new glass products from recycled glass takes 74% less energy than from raw materials.
- Glass collected for recycling in Western Australia is sent to South Australia where it is melted down and "blown" into another bottle.
- Trials and studies are being undertaken to use glass in roadbase due to its gripping capabilities.

Worth Doing

Glass is easily contaminated which makes recycling difficult or even impossible. Don't put ovenproof or light globe glass in with recyclable glass containers.

- Glass can be recycled through local kerbside recycling collection programs (but not including oven-proof, window or light globe glass).
- Remember to rinse the jar and remove the lid.
- If you have large amounts of glass, our free Recycle @Work hotline 1800 819 000 can help you find a glass recycler to suit your business. Or you can check out our current list of glass recycling contacts.
- If your business only has a very small amount of glass you might like to consider these options:

Gather the glass safely and separately from other rubbish then take it to your closest drop-off centre. Call our hotline on 1800 819 000 for location information.

Keep an eye out for other businesses near you who may already have a glass collection service that they would be happy for you to participate in. (In most cases these services charge for each collection, not the amount of waste, so they won't have to pay any more if you have added a little to a less-than-full load).

If there is no facility for collecting glass in your area, contact your local council for more information or to make a request that a service be provided.

For more information contact the Recycle @Work Hotline on 1800 819 000.



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Glasses

Eye glasses or spectacles

Worth Knowing

- Old eye glasses can be recycled or reused.
- Collected eye glasses are cleaned, repaired and measured to determine the correction needed.
- Available glasses are catalogued in a computer database, and matched to people with need.
- Many of the glasses are sent to other countries to help people who might otherwise not be able to afford glasses.

Worth Doing

- This is done through Lions, OPSM, the Optometrists Association Australia and other charity organisations.
- Speak to your local optometrist to find out where to recycle your glasses.



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Grease

Worth Knowing

- Grease can be recycled, incinerated or used as furnace fuel.
- Grease is used in a diverse range of industries as a lubricant and water repellent for machinery.
- It can be a hazard by making surfaces slippery and an environmental problem - especially in waterways.

Worth Doing

- Below are some companies that recycle used grease:

Environmental Recovery Services

6 Carole Road,
Maddington WA 6109
Telephone: 9493 1770
Website: www.environmentalrecovery.com
Email: ersperth@inet.com.au

Oil Filter Recovery Service

PO Box 50
Kelmscott WA 6111
Telephone: 9399 9233

Wren Oil (solvent waste only)

4/37 Harris Road,
Picton WA 6229
Telephone: 9725 4847
www.wrenoi.com.au
Email: wrenoil@bigpond.com.au

Nationwide Oil/Western Resource Recovery

113 Ewing Street
Welshpool WA 6106
Telephone: 9351 1313
www.transpacific.com.au

- Please contact the Health Department 9388 4999 for information about health issues regarding grease.



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Grease trap waste

Worth Knowing

- Grease traps are commonly used to trap grease and food waste from waste water in the food preparation, production or hospitality industry. This is to prevent such material going into the sewerage system, or septic tank system, and therefore reducing the efficiency of the process.
- In sewerred areas, the clean out frequency is under the control of the Water Corporation and in non sewerred areas the local council is the body responsible.
- Transport of grease trap waste must be carried out by contractors licensed by the Department of Environment. It is the waste generators responsibility to check that the contractor they use is licensed.

Worth Doing

- Contractors can be found in the Yellow Pages under

Grease Trap Cleaning Services

or

Waste Reduction and Disposal Services

For more information on grease traps contact:

Industrial Waste Section

Water Corporation of Western Australia

629 Newcastle Street

Leederville WA 6007

Telephone: 131395

Or

your Local Council.

For enquiries regarding licensed contractors or suspected illegal discharge contact:

Department of Environment

Controlled Waste Section

Telephone: 9222 7000



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Greenwaste

Worth Knowing

- Greenwaste is any plant or vegetable matter, usually derived from household gardens and landscaping works. It includes leaves, branches, lawnmower clippings, weeds, and other garden waste.
- Many people think that, as an organic material, greenwaste will decompose over time. This is true, but if organic matter decomposes underground such as in a landfill, it will produce a carbon gas called methane which is a very strong Greenhouse Gas (more than 20 times more powerful than carbon dioxide). It is much better if greenwaste is recycled above ground.

Worth Doing

- Small to moderate amounts of greenwaste should be mulched or composted or, if not woody, used in a worm farm.
- Greenwaste should be stored in such away that it is not able to be blown around by the wind.
- Large volumes of greenwaste if allowed to dry out can present a potential fire hazard.
- If transporting greenwaste on a trailer or ute make sure that it is well covered and secured to avoid wind-blown litter.
- Some councils accept and in some cases segregate greenwaste at their landfill or waste transfer station and most offer a regular kerb collection specifically for greenwaste.
- The Town of Claremont provides free woodchip mulch next to the Claremont Train Station, and the Cities of Wanneroo & Joondalup sell a semi-composted mulch product made from greenwaste at their Motivation Drive, Wangara, greenwaste recycling facility.

Contacts

A Touch of Class Landscaping & Garden Supplies

Cnr Keira Street/Champion Drive
Kelmscott WA 6111
Telephone: 9497 3999

Amazon Soils & Landscaping Supplies

27 Hoskins Road
Wangara WA 6065
Telephone: 9302 1288



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Atlas Soils & Garden Supplies

Natalie Way
Balcatta WA 6021
Telephone: 9344 3806

Beechboro Nursery

Cnr Beechboro & Benara Roads
Morley WA 6062
Telephone: 99279 7375

BioWise

McLaughlin Road
Kwinana WA 6966
Telephone: 9410 0477

Boomerang Garden Supplies

276 Hale Road
Wattle Grove WA 6107
Telephone: 9359 1422

DME Contractors

Unit 5/10 O'Connor Street
Wangara WA 6056
Telephone: 9309 5516

Ellement Garden Supplies

23 Mortimer Street
Wattleup WA 6166
Telephone: 9437 1379

Forrestdale Garden Centre

Cnr Nicholson & Armadale Roads
Forrestdale WA 6112
Telephone: 9397 0602

Grainger's Garden Centre

98 Benara Road
Caversham WA 6055
Telephone: 9377 7627

Green Waste Services

958 Rockingham Road
Henderson WA 6166
Telephone: 9248 0357

Joondalup Landscape Supplies

14 Winton Road
Joondalup WA 6027
Telephone: 9300 1255

Kenwick Outdoor Supplies

16 Liddlelow Street
Kenwick WA 6107
Telephone: 9459 1167

Mundaring Landscape Supplies

32 Moata Place
Mundaring WA 6073
Telephone: 9295 3666

Mulch Net

Will deliver recycled tree mulch and also deliver logs for free.
www.mulchnet.com

Soils Aint Soils

665 Welshpool Road (Head Office)
Wattle Grove WA 6107
Telephone: 9453 3377 to find nearest Franchise

Soild World Canning Vale

Lot 79 Ranford Road
Canning Vale WA 6155
Telephone: 9455 1099



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Household Chemical Waste

Worth Knowing

- Household chemical products can be divided into the following general categories:

Household Cleaners - e.g. oven cleaner, toilet bowl cleaner, bleach, ammonia, furniture polish.

Automotive products - e.g. car cleaners, gasoline, oil, lead-acid batteries, transmission fluid.

Pesticides - e.g. insecticide & insect repellents, disinfectant, weed killer, mothballs, flea collars, rat and mouse poison.

Home improvement - e.g. paint, thinners, adhesives, varnish.

Other products - e.g. pool cleaner, batteries, shoe polish, medicines, lighter fluid, cosmetics.

These can cause significant environmental and public health problems if thrown away.

Worth Doing

- Prevention is very important - we should all reduce our purchase and use of these chemicals.
- See the 'Paints' section in this file
- Contact your local government for the closest safe drop-off centre for you.
- Details of landfills which can safely accept household chemicals are listed on the following page.

PaintbackTM

- The PaintbackTM program was trialled in WA in 2005 at the MRC Tamala Park Waste Management Facility in Marmion Avenue, Mindarie. Unused or unwanted water-based paint was delivered to Tamala Park by householders, checked for quality and aggregated and transported to Dulux's O'Connor facility for re-processing into a quality fencing paint.
- The recycled paint is now available at your local Bunnings store. Look out for the recycled Walpamur Fence Finish in two attractive colours, "Doe Skin" and "Iron Bark".

The following landfills and transfer stations will safely dispose of household chemical waste (NB. Some of these facilities may charge a fee for disposal, so it is recommended that you contact the site prior to delivery. Many councils conduct free "hazardous waste drop off days")

Armadale Waste Disposal Facility

Hopkinson Road
 Armadale WA 6111
 Telephone: 9399 3935



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Balcatta Waste Transfer Station

Balcatta Road
Balcatta WA 6021
Telephone: 9344 1401

Canning Waste Disposal Transfer Station

Ranford Road
Canning Vale
Telephone: 9231 0670

Henderson Waste Disposal Facility

Rockingham Road
Henderson WA 6166
Telephone: 9437 2306

Kalamunda Rubbish Transfer Station

Lawnbrook Road
Bickley WA 6076
Telephone: 9257 9998

Rockingham Landfill Disposal Facility

Millar Road
Baldivis WA 6171
Telephone: 9524 2053

Red Hill Landfill Facility

1094 Toodyay Road
Red Hill WA 6056
Tel: 9574 6235
Website: www.emrc.org.au

Tamala Park Landfill Site

Marmion Avenue
Tamala Park WA 6030
Telephone: 9305 5246
7:00am - 4:45pm, 7 days.

Tox Free Solutions

Lot 4 Mason Road
Kwinana WA 6167
Tel: 9439 2362
Fax: 9439 2363
Website: www.toxfree.com.au



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Icecream Containers

Worth Knowing

- Most icecream containers are made of code 5 plastic.
- Generally code 5 plastics are not accepted in kerbside recycling collections.
- Some ice-cream manufacturers are now using recyclable tubs made from paper.

Worth Doing

- Only buy ice cream that is packed in recyclable tubs - the other manufacturers will soon catch on.
- Any non-recyclable ice cream tubs can be reused at home for storage and schools, playgroups and community organisations often have a use for them.

Contacts

Contact local art groups, schools and playgroups.

Alternatively contact:

Ruggies Recycling Program

Princess Margaret Hospital

Telephone 9489 1177

<http://www.ruggiesrecycling.com/>



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Lubricating Oil

Worth Knowing

- Australia uses over 500 million litres of lubricating oil per year including gear, differential and engine oil.
- Waste oil still has lubricating properties and can be used well in many other situations.
- Waste oil is also a significant energy source.
- Special filters can extend the lifecycle of vehicle oils by 10-20 times and most oils can be cleaned and recycled very well.
- Discarded oils cost money and can cause serious health and environmental problems.
- Oil waste can be prevented by good housekeeping at work, keeping oils segregated, good labelling procedures and providing short-term storage.

Worth Doing

- Large quantities of waste oil should be stored in a leak proof container in a safe area for collection by a reputable oil recycler or delivery to an oil collection facility recommended by your local council.
- Used oils should never be mixed with other liquids or materials. Keep each type of oil 'clean' in separate sealed containers, so that they are suitable for recycling or reprocessing.
- Used domestic vehicle oil should be collected and stored safely for collection by an oil recycler.
- Visit the Commonwealth Government's Oil Recycling program at www.oilrecycling.gov.au/
- Contact your local council or see the Yellow Pages under 'Oil Merchants and or Refiners'.
- Below are businesses/companies that deal with lubricating oil:

Environmental Recovery Services

Tel: 9493 1770

6 Carole Road, Maddington WA 6109

Website: www.environmentalrecovery.com

Oil Filter Recover Service

Tel: 9399 9233

PO Box 50, Kelmscott WA 6111

Wren Oil (solvent waste only)

Tel: 9725 4847

4/37 Harris Road, Picton WA 6229

Email: wrenoil@bigpond.com.au



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Medical Waste

Worth Doing

Any medications or medical devices such as syringes can be returned to a pharmacy for safe disposal.

Advice on how to handle wastes contaminated by blood, bodily fluids or drugs must be obtained from;

Department of Environment

Controlled Waste Section

Telephone: 9222 7000

The following company is licensed to destroy medical waste:

Medi Collect

422 Welshpool Road,

Welshpool WA 6106

Telephone: 9356 5737

Website: medicollect.com.au

Email: medicoll@inet.net.au



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Milk and Juice Cartons

Worth Doing

- Liquidpaperboard is recyclable through most kerbside recycling collection programs.
- Contact your local council or shire to find out if you are able to recycle your cartons.
- Cartons can be reused in many ways - including as seedlings boxes - such as for native trees.

Worth Knowing

- Some milk and juice cartons are made from liquidpaperboard - including the common children's-size juice boxes.
- Cartons are made from tri-layer of quality paper with HDPE plastic on either side to protect the product and to allow the product long shelf life.
- The Association of Liquidpaperboard Manufacturers advises that cartons can be composted - taking about 3 months to break down.
- Recycled cartons can become a wide range of high-quality paper products, including office paper.



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mobile phones

Worth Knowing

- Clean Up Australia's research suggests that there are as many as 10 million mobile phones in Australia - with 3 million more being sold each year. These new phones make many other phones unwanted each year.
- Mobile phones may be small but they are not safe to throw away - their components - especially heavy metals like cadmium - are very dangerous to humans and the environment.
- Mobile phones can be reused very well. Working mobile phones are used to provide affordable telecommunications to people living in third world countries.
- Non-working mobile phones are recycled by separating them into components. The nickel from mobile phones is used to make stainless steel, the plastics can be used to make garden furniture, the cadmium to make batteries and even tiny amounts of gold and copper can be reused.

Worth Doing

When you buy a new mobile phone, recycle the old one.

- The mobile phone recycling process is highly efficient, has high productivity, prevents environmental contamination, reduces the amount of resources used and benefits not-for-profit organisations in Australia and overseas.
- In WA, we recommend the Cerebral Palsy Association's mobile phone recycling project which is in partnership with Clean Up Australia and the Aussie Recycling Program. They offer a free postal recycling service from WA.
- Call the free Recycle @Work Hotline service on 1800 819 000 for more information and a free mobile phone recycling bag (postage paid). Or email your details and we will send one out.
- Or contact the Cerebral Palsy Association of WA direct on Freecall 1800 424 810 or go to their website www.mobilephonerecyclingwa.com.au

For more information contact the Recycle @Work Hotline on 1800 819 000.



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Newspaper

Worth Knowing

- Australia is a world leader in the recovery and recycling of newspapers and magazines.
- Aussies now recycle 74.5% of our newsprint - up from 53% in 1995.
- That's currently 2 billion newspapers recycled each year.
- Even the inks from newspapers are recycled - into fertilisers and other substances.

Worth Doing

- Newspaper can be collected through every metropolitan kerbside recycling collection program and in at-work paper collection services.
- Alternatively community groups sometimes do collections.
- Check with your local council or shire about paper collections in your area.



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Oil heaters

Worth Doing

- Oil heaters can be repaired or if you would prefer to have your removed, it can be taken away, decommissioned and the components recycled, even the oil, for very little cost.

Worth Doing

- Look under 'Heating Appliances &/or Systems - Repairs and Service' in the Yellow Pages or contact

Dunnings Heater and Electrical Service

tel: 9271 3162



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Paint and paint solvents

Worth Knowing

- Dry paint is not a significant environmental pollutant but liquid paint or paint solvents can contaminate soil or water and even cause fires or explosions. Oil based paints also contain metals such as lead, cadmium and barium which are toxic to the environment and to human health.
- We should try to ensure that as much paint as possible has been used prior to disposal.
- Most paint solvents can be recycled at either the place of manufacture or by a solvent recycling company.
- The steel cans that paint is packaged in are very important to recycle. Steel can be recycled indefinitely and recycling steel uses far less water and energy than making steel from iron ore (see the section pages of this website under Top 10 and What can I recycle?).

Worth Doing

- For further information please contact the Health Department of WA 9388 4999
- Manufacturers and retailers can give you expert advice on how to recycle or dispose of paints and solvents safely. Buy water-based products rather than oil-based ones wherever possible and try to always use water based cleaning systems as long as this is away from storm water drains.
- If you have left-over paints it may be an idea to consider giving them to somebody who can use them. Churches, schools and some charity organisations may make good use of what you do not need.
- Paint will last longer if stored under the right conditions. The key to keeping paint fresh is to maintain a tight seal on the container. It helps if the rim of the paint tin is cleaned so the can will seal properly. A sheet of plastic wrap can then be placed over the top BEFORE placing the lid back on, making sure to seal it very tightly. The container can then be stored upside down and kept away from children, pets, and extremes of heat and cold.



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- In order for solvent wastes to be recycled and treated it is important that no mixing occurs. Each individual solvent and paint type should be kept in separate containers, with its contents clearly labelled.
- Left over paint should be treated before it is disposed. If the paint you wish to dispose of is not hard, then it should not be disposed of without the following steps being taken. In a low flat cardboard box, spread out some paper and then cover it with an absorbent material, such as kitty-litter or sand. Slowly add the liquid paint and stir it until it has all mixed with the absorbent material. Leave in a safe place until hard or dry. Paint that is still wet is hazardous to the environment and should not be placed in landfill.
- Solvents should never be placed in landfill.
- You can contact your local council or shire to obtain information about whether a collection centre exists where paints and solvents can be deposited.
- Look in the Yellow Pages for the details of any paint and solvent recyclers in your area, or take your paints and solvents to your local government household hazardous waste landfill or transfer station.
- Below are some businesses that deal with paint and solvent waste:

Environmental Recovery Services

6 Carole Road, Maddington WA 6109
 Telephone: 9493 1770
 Email: www.environmentalrecovery.com
 Email: ersperth@iinet.com.au

Wren Oil (solvent waste only)

4/37 Harris Road, Picton WA 6229
 Telephone: 9725 4847
www.wrenoil.com.au

Nationwide Oil/Western Resource Recovery

113 Ewing Street, Welshpool WA 6106
 Telephone: 9351 1313
www.transpacific.com.au

Oil Filter Recovery Service

2/10 Tinga Place, Kelmscott WA 6112
 Telephone: 9399 9233

Refinish Enterprises (solvents only)

9 Grevillea Crescent, Swan View WA



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Telephone: 0412 046 844

S&S Industries (solvents only)

25 Rothschild Place, Midvale

Telephone: 9274 6566

www.ssindustries.com.au

■ **Paintback**

Unwanted, unused paint can be taken to the Mindarie Regional Council Waste Facility, Marmion Avenue, Mindarie where it will be reprocessed into a recycled fence finish and be available for sale through Bunnings stores from September 2005.

The centre is open Tuesday to Sunday between the hours of 7.00am and 4.30pm.

Once the trial is completed a comprehensive evaluation will be undertaken before determining whether it will be rolled out across the whole metropolitan area.



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Pallets

Worth Knowing

- Pallets are commonly used for the transport of goods in the transport and retail industry. The pallets usually remain the property of the supplier eg, Chep, and are returned for credit.
- Where possible damaged pallets should be repaired. If the pallets cannot be recycled or reused they can be pulled apart and the wood used for other purposes.

Worth Doing

- A number of waste transfer stations and landfills are segregating pallets for reuse, or crushed into chips for use in the manufacture of particle and "chip" board. A program in Malaga is now recycling wooden pallets.
- Pallet suppliers can be found under 'pallets & platforms' in the Yellow Pages.
- **Call the Recycle @ Work hotline on 1800 819 000 for up to date information about pallet reuse and recycling.**



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Paper

Worth Knowing

- Photocopy and printing paper are made from high quality fibre making it a valuable recyclable material but currently only 11% of office paper is recycled in Australia.
- There are a number of companies that deal specifically with the collection of office waste paper. Many of these will also safely remove and recycle confidential material (see below for more details).
- Recycling saves LOTS of resources. Manufacturing paper and cardboard from recycled fibre requires 50% less energy and up to 99% less water than it takes to make the same amount of product using virgin fibre. It also produces up to 90% less by-products.
- Paper and cardboard are organic materials (which means their ingredients are made by living things and so can rot). Burying paper and cardboard in landfill means that they decompose slowly without oxygen (anaerobic decomposition). This way of rotting is slow and produces large amounts of methane - one of the worst greenhouse gases in the world. Rotting above ground is much better for the environment but being recycled is best of all.
- Each kilogram of paper or cardboard recycled saves up to 1kg of greenhouse gases.
- Australia currently uses around 3.5 million tonnes of paper and cardboard (16 000 large semi-trailers worth!). About half of that is currently recycled.
- Paper and cardboard can be recycled into sound-proofing insulation and even furniture as well as new paper and cardboard products.
- Paper can be recycled around 8 times. (Sometimes up to 11 times.)
- More than 80% of the packaging paper and cardboard used in Australia is made from recycled fibre.
- Examples of common workplace paper products include reports, brochures, magazines, memos, newsletters, leaflets, notepaper, print-outs, newspapers, liquidpaperboard (Milk and juice cartons), photocopy paper and junk mail.

Worth Doing

- It is easy to set up an office paper recycling program. Just a few clearly marked boxes underneath desks and wherever paper is used can do the trick. If you generate a good deal of paper, it can be worth having this collected by a recycling company (see following page)



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- The most important thing for recycling paper is to keep it clean - so no food scraps, or plastics - this is usually easy to do.
- Most domestic kerbside collections will accept paper.
- Waxed paper products such as cool drink and beer cartons are not usually able to be recycled. Check with your local council or shire about your paper collection program.
- Below are office paper collection companies that recycle office waste paper:

Amcor Recycling

Tel: 9256 6100
3 Madison Street, Canning Vale, WA 6155
Email: amcorrecyclingwa@amcor.com.au

Betta Boxes Recycling Company

rear 146 Carrington Street, O'Connor WA 6163
Telephone: 0411 614 977

Paper Recycling Industries

Unit 26, 283 Treasure Road, Welshpool WA 6106
Telephone: 9458 2181

Recall SDS

65A Epsom Road,, Redcliffe WA 6104
Email: jason.mcdonnell@recall.com.au
Telephone: 9479 5655

SITA Environmental Solutions

116 Kurnall Road, Welshpool WA 6106
Telephone: 9458 4644 or 131 335

United Paper

85 McDowell Street, Welshpool WA 6106
Telephone: 9451 1718

Visy Recycling

Unit 3, 39 Abernathy Road, Belmont WA 6104
Telephone: 9477 4894
Email: customerservice@visy.com.au

Western Recycling

50 Hector Street, Osborne Park WA 6017
Telephone: 9244 1066



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Phone books

Worth Knowing

- Millions of phone books become redundant in Australia each year.
- Old White Pages and Yellow Pages® directories are recycled into a range of environment friendly cardboard products.

Worth Doing

- Minimise the number of phone books your business uses - all the information is usually available online and there is no need for every employee to have four phone books if they only use them a few times a year.
- For information on phone book recycling in your area contact the Book Muncher® hotline 1300 130 997 or email environment@sensis.com.au
- Check with your local council or the contact the Book Muncher® hotline 1300 130 997
- In most residential areas, old White Pages and Yellow Pages® directories can be recycled in the same way as any other paper product. They can be placed directly in a kerbside recycling box, bag or bin with old newspapers and magazines - all year round.



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Photocopier machines & cartridges

Worth Knowing

- Huge amounts of energy and resources are used in the manufacture of photocopying equipment.
- Photocopiers then use a lot of energy, paper and toner during their working life. In fact, it can cost more than 10 times as much to run a photocopier for several years than it did to buy the machine in the first place. High efficiency machines pay for themselves with lower operating costs.

Worth Doing

- Photocopier machines can be taken to either SimsMetal or MetalCorp metal recycling companies. These companies will remove the metal parts of the machines for recycling.

SimsMetal Ltd

200 Barrington Street
Spearwood WA 6163
Telephone: 94342222

MetalCorp Recyclers

24 Chisholm Crs
Kewdale WA 6106
Telephone: 9359 1600

- Be sure you really need a photocopier before you buy one. Using local printing facilities instead may be much cheaper unless you have large amounts.
- Look for models with high energy efficiency, that take recycled paper, prints duplex (both sides), have a separate paper feed tray (to make it easy to reuse paper that has only been printed on one side) and ask about recycled content. Xerox, for example, has been making photocopiers with recycled components for many years without loss of quality or any impact on warranties.
- Photocopier cartridges can be recycled through different 'take-back' programs

Cleanaway's Close the Loop program.
Call 13 13 39 between 8.30am to 5.00pm* Monday to Friday.
Or email closetheLoop@cleanaway.com.au

Planet Ark's Cartridges for Planet Ark program
Collection boxes are available at most Officeworks, Australia Post and Cartridge World stores



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Photographic waste

Worth Knowing

- Photographic wastes are produced in a variety of ways: X-ray film developed by hospitals, clinics and industrial testing laboratories; photographic film developed by mini-labs, laboratories, schools and colleges, government departments and private individuals, graphic arts film developed by newspapers, plate makers and printers.
- The types of waste generated by the photographic industry include liquid wastes such as silver bearing wastes (bleach fix, fixers and stabilisers, silver containing wash waters), neutralisers and developers and solid wastes such as x-ray films, photographic films, lithographic plates and mono/lino type.
- The main problems of photographic wastes are silver ions which are present in some of the waste produced and which can be toxic. Silver is a very powerful bactericide. Even at low concentrations it can interfere with biological processes at sewage treatment plants and other biological treatment systems. For these systems to operate efficiently, any wastes containing silver to sewerage systems needs to be strictly controlled and not just dumped into the sewage system.

Worth Doing

- Please contact the Health Department of WA 9388 4999 for more information on the health issues regarding photographic wastes.
- Below is a company that will take photographic waste:

Photographic Waste Management

Unit 5/53 Prindiville Drive,
Wangara WA 6065
Telephone: 9309 5966



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Plant Pots

Worth Knowing & Doing

- The majority of plastic plant pots are made from type 5 plastic limiting the recycling possibilities because of the lack of value for resale. Reuse is a much better option.
- 'Pot Recyclers' is a local Perth company that organise and collect unwanted plastic plant pots from the following nurseries and garden centres:

Banjup John Coles Nursery 9417 9834 Lot 5 Beenyup & Gaebler Roads Banjup
 Bentley Waldecks 75 Manning Road Bentley
 Canning Vale Fraser Giftware & Garden Centre 9455 1174 Cnr Frazer & Comrie Roads Canning Vale
 Caversham City Farmers 9377 1270 Cnr Lord Street & Benara Road Caversham
 Forrestfield Dawsons 9453 6533 160 Hale Road Forrestfield
 Fremantle Community Garden Centre 9430 4535 Cnr High & Montreal Streets Fremantle
 Gidgegannup Nursery & Hardware 9574 6464 Toodyay Road Gidgegannup
 Guildford Town Nursery 96 James Street Guildford
 High Wycombe Jolly Potter Nursery 9454 6666 460 Kalamunda Road High Wycombe
 Joondalup Dawsons 9300 0733 179 Winton Road Joondalup
 Kingsley Waldecks 273 Wanneroo Road, Kingsley
 Landsdale Plantworld 9302 1111 308 Landsdale Road Landsdale
 Mahogany Creek Floraland 9295 1033 5105 Great Eastern Highway Mahogany Creek
 Maida Vale Zanthorrea Nursery 9454 6260 155 Watsonia Road Maida Vale
 Melville Waldecks McCoy Street Melville
 Middle Swan Waldecks On Vine 506 Gt Northern H'Way
 Midland Men Of The Trees 9250 1888 Cnr Amhurst Road & Stirling Crescent Hazelmere / Midland
 Midvale Swan Garden Centre 9250 4575 Lot 40 Farrell Road Midvale
 O'Connor Dawsons 9314 7258 388 South Street O'Connor
 Osborne Park Waldecks Cnr Hamilton Sts & Karrinyup Road, Osborne Park
 Osbourne Park Sunflower Garden Centre 9349 8883 736 Karrinyup Road Osbourne Park
 Rockingham Complete Garden Centr 9527 6320 5 Nasmyth Road Rockingham
 Rockingham Men Of The Trees 9527 3142 Elanora Drive Rockingham - Golf Course
 Sawyers Vally Everbloom Garden Centre 9295 1666 665 Railway Terrace Sawyers Vally
 South Fremantle Wildflora Garden Centre 9335 8301 Hamden Road Cnr Clontarf South fremantle
 Subiaco Garden Elegance 9381 2197 150 Railway Road Subiaco
 Subiaco Waldecks Cnr Hay Street & Railway Road, Subiaco
 Swanbourne Dawsons 9384 9652 Cnr Windsor & Railway Streets Swanbourne
 Wannaroo Village Lane Garden Centre 9364 9002 Caporn Street - Cnr Honey Road Wannaroo

- For more information contact:

Bob Williamson, Director, 0419 191 567
 Pot Recyclers Pty Ltd. (08) 9295 6035

Reprocessing Plant - 116 Kurnall Road, Welshpool W.A. 6106
 potrecyclers@arach.net.au
 www.potrecyclers.com



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Plastic Bags

Worth Knowing

- Australia is getting good on plastic bags - 10 million reusable bags have been sold since 2002 and we have used 3.5 billion fewer plastic ones over that period.
- BUT 30% of West Australians admit to putting recyclables in plastic bags (this causes problems for the recycling companies and makes it hard to afford to recycle them at all). The national average for this is 20%.

Worth Doing

- Plastic shopping bags can be returned to Coles and Woolworths supermarkets for recycling.
- Plastic Bag Recycling bins are located near the checkouts.
- Most other types of plastic bags are not recycled as the volume (by weight) of the plastic bags is relatively low.
- Large volumes of plastic bags may be accepted by commercial plastic recyclers.
- Avoid giving plastic bags to your customers, consider switching to recycled paper bags and taking back the bags for reuse and recycling.



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Plastics

All types

Worth Knowing

- Australia produces more than 1.3 million tonnes of plastics every year, including 50 000 tonnes of soft drink bottles, 30 000 tonnes of milk bottles and more than 10 000 tonnes of detergent and shampoo bottles, the rest is shrinkwrap, film, shopping bags, and other types of plastics.
- Recycling one tonne of plastics saves enough energy to run a refrigerator for a month. - 84% of the energy it takes to make one tonne from raw materials
- Around 6,000 tonnes of recovered PET was exported overseas where it is made into a wide range of items including lingerie and clothing.
- Plastics are made from fossil fuels, a major contributor to global warming. Manufacturing plastics from recycled materials uses 30% of the energy required to make virgin plastic products from fossil fuels.

Worth Doing

Recycling plastic is easier and more effective than ever before.

Claw Environmental will accept all types of plastics including toner cartridges, chemical containers, bags, bottles, cable reels, computer shells, containers, crates, drums, film, pallets, piping, shrink wrap, string bale twine.

For more details visit www.clawenvironmental.com or contact:

Claw Environmental

35b McDowell Street
Welshpool WA 6106
Ph: 9258 3200
Fx: 9258 3211
Email: recycle@clawenvironmental.com

Local WA company, JoJo Plastics manufacture plastics pallets, posts and bollards using recycled plastic of all types.

For more details visit www.jojoplastics.com.au or contact:

JoJo Plastics

Ph: 9302 3933
Fx: 9302 3977
Email: jojoplastics@westnet.com.au



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The following companies offer commercial collections and recycling of plastic film and resins.

Alto Plastics

17 Calalano Road
Canning Vale WA 6155
Telephone: 9455 2228

Elite Plastic Recyclers

6 Church Road
Maddington WA
Telephone: 9459 1617

Polystyrene Industries

5 Madison Street
Canning Vale
Telephone: 9455 1511

Code 1 - PET

- Polyethylene terephthalate (PET) is used in the manufacture of soft drink and mineral water bottles, filling for sleeping bags and pillows, and textile fibres.
- Coca-Cola Amatil Australia were the first company in the world to develop a process in which recycled PET bottles were reformed back into bottles filled with a product consumed by humans. Until that time recycled bottles could not be filled with products for human consumption.
- PET can also be recycled into (multi-layer) detergent bottles, clear film for packaging, carpet fibres and "inners" of fleecy jackets.
- Plastic products made from PET are commonly labelled for recycling as "Code 1" plastic, with this logo imprinted on the product.
- Around 6 000 tonnes of recovered PET is exported overseas each year where it is made into a wide range of items including lingerie and clothing.

Code 2 - HDPE

- High Density Polyethelene (HDPE) or Code 2 plastic is commonly used in milk bottles, shampoo and cleaner bottles, plastic shopping bags and milk crates.
- It is usually white or clear plastic. Most kerbside collections will accept code 2 plastics.



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- The recycled material is turned into compost bins, detergent bottles, crates, mobile rubbish bins, agricultural pipes, pallets and kerbside recycling crates.

Code 3 - PVC

- There are two major types of PVC. Both are classified as code 3 plastics.
- Unplasticised polyvinyl chloride UPVC is a hard rigid plastic that may be clear. It is used to make clear cordial and juice bottles, blister packs, plumbing pipes and fittings. When recycled it can be turned into detergent bottles, tiles and plumbing pipe fittings.
- Plasticised polyvinyl chloride PPVC is a flexible, clear and elastic plastic. It is used to make garden hose, shoe soles, blood bags and tubing. When its recycled it is turned into hose inner core and industrial flooring.

Contacts

Collins Recycling Depot

Tel: 9457 3973
16 Kembla Way
WILLETTON WA 6155

Code 4 - LDPE

- Low density polyethylene code 4 plastic includes lids of icecream containers, garbage bags, garbage bins and black plastic sheeting.
- The recycled product is turned into film for builders, industry, packaging and plant nurseries and bags.

Polystyrene

The EPS Recycling Network collects polystyrene packaging for recycling. Sea containers are filled with the cleaned and crushed polystyrene which is then taken to China for reprocessing. The plant will take all EPS produce boxes, used for fruit, vegetables and seafood. The polystyrene is ground up and reprocessed into plastic products.

Contacts

Claw Environmental

35b McDowell Street, Welshpool WA 6106
Telephone: 9258 3200
Facsimile: 9258 3211
Email: recycle@clawenvironmental.com



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Printer Cartridges

Worth Knowing

- Laser printer and inkjet cartridges can be refilled, re-inked and recycled.
- Placing old printer cartridges into landfill can cause problems for the environment.
- Australians throw away more than 18 million cartridges every year.
- This amounts to over 5,000 tonnes of material, including laser toner cartridges, inkjet cartridges, photocopier toner bottles and drums, that will eventually end up in landfill.
- In various 'Close the Loop' partnership programs, almost 60% of the laser cartridges are sent to the original equipment manufacturers for their remanufacturing or component recovery programs. All inkjet cartridges, toner bottles and laser drums are processed to recycle their component materials into new products.
- The component materials recovered include aluminium, steel, plastic, toner, ink and foam. All are recycled into new products or reused in new applications. Even residue toner is reused as pigment for colouring plastic products.
- Australia's printer industry is supporting the effort, with Brother, Canon, Hewlett-Packard, Lexmark, Konica Minolta, Epson and Panasonic sponsoring this world-leading program and covering the cost of collecting and recycling the cartridges.
- The components that make up cartridges are actually valuable, non-renewable materials that can be used by a wide range of industries to make new products. Some of the recovered materials are reused for the following:

Toner	Pigment colour agent for plastics.
Aluminium	Smelting into new aluminium products.
Steel	New steel products, including structural steel beams for building.
Inkjet inks	Used in low grade printing and dyeing applications.
Plastics	New products including outdoor furniture and promotional products.

Worth Doing

- When purchasing printers only buy printers which can use reusable cartridges.
- Use a cartridge refill program - you can save hundreds of dollars a year.
- Unwanted cartridges can be dropped off in Cartridges for Planet Ark boxes at participating Australia Post, Officeworks, Harvey Norman, Tandy and Dick Smith Electronics stores. A full list of collection outlets are listed at www.RecyclingNearYou.com.au
- Cleanaway also operate a Close the Loop program, call Call 13 13 39 between 8.30am to 5.00pm Monday to Friday or email closetheLoop@cleanaway.com.au



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Radiator Coolant

Worth Knowing

- The main danger from coolants comes from the heavy metals they contain, especially lead (from solder). This is why used coolants must be managed responsibly.
- Some ingredients in coolant are very toxic, if ingested immediately contact the poisons information centre on 13 1126. For further information please contact the Health Department on 9388 4999.
- For further information about recycling or managing your coolant, contact the Department of Environmental Protection on 9222 7000.
- Radiator fluid is highly toxic if ingested. Keep away from children in a container clearly marked 'do not drink' or 'poison'.
- Coolants must never be dumped into drains or onto the ground.
- Coolants can be recycled.

Worth Doing

- It is very important to follow instructions from coolant and equipment manufacturers. This may include:

Choosing the appropriate coolant concentrate. Consider using a concentrate that does not contain ethylene glycol;

Diluting the coolant concentrate with 'distilled water' and/or glycol;

Changing the coolant at regular intervals; and

Appropriate disposal of the used coolant.

Below are businesses/companies that deal with used radiator coolant:

Environmental Recovery Services

Tel: 9493 1770

6 Carole Road, , Maddington, WA 6109

Website: www.environmentalrecovery.com

Email: ersperth@iinet.com.au

Oil Filter Recovery Service

Tel: 9399 9233

PO Box 50, Kelmscott WA 6111

Wren Oil

Tel: 9725 4847

4/37 Harris Road, Picton, WA 6229

Email: wrenoil@bigpond.com.au



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Cleanaway

Tel: 9449 3333
171 Camboon Road, Malaga
www.cleanaway.com.au

Nationwide Oil/Western Resource Recovery

Tel: 9351 1313
113 Ewing Street
Welshpool
www.transpacific.com.au

Recycling Equipment Suppliers of recycling and waste management equipment and machinery.

Contatore Engineering

97 Radium Street
Welshpool WA 6106
Telephone: 9356 2725

Auscon

26 Keates Road
Armadale WA 6112
Telephone: 9497 1340

C & D Recycling

Cnr Abernethy Rd & Great Eastern Hwy
Hazelmere WA 6055
Mobile: 0417 966 406

Clean Sweep

7 Bulbey Street
Bellevue WA 6056
Telephone: 9274 8558

Filtration Industries

12 Sheppards Bush Drv
Kingsley WA 6026
Telephone: 9409 5650

G C Sales (WA)

9 Collingwood Street
Osborne Park WA 6017
Telephone: 9446 5684

Joest Australia Pty Ltd

Unit 2/ 14 Moriarty Road
Welshpool WA 6106
Telephone: 9353 1124

Kitchen Recyclit

12 Stretton Place
Balcatta WA 6021
Telephone: 9344 6688

MacDonald Johnston Engineering Co.

Pty Ltd
239 Collier Road
Bayswater WA 6053
Telephone: 9271 8455

Waste Master

24 Davison Street
Maddington WA 6109
Telephone: 9493 0722

Wastecom

Malaga WA 6090
Telephone: 9249 9995



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Scrap Metal

Worth Knowing

- Scrap metals includes a number of materials including batteries, cars, cast iron, machinery, electrical cable, brass, copper, stainless steel, radiators, aluminium and aluminium cans.
- Scrap metals can be used in their original form for construction. Alternatively they can be melted down to create new metals.
- Most scrap metal pose minimal environmental and health risks depending on the composition of the scrap metals. But scrap metal containing heavy metals such as lead or cadmium from rechargeable batteries may pose a serious risk to the environment.
- Recycling scrap metals contributes to a significant saving in greenhouse gas emissions in comparison to mining and processing the metal from raw materials.
- Costs and prices depend on quantity. Some scrap metal merchants will supply an on site scrap bin that will be collected free of charge when full. A fee is normally charged for picking up car bodies for scrap metal, although if several cars are picked up from the same site the fee may be waived. Some businesses can earn extra income by on-selling large quantities of certain scrap metals.

Worth Doing

- Contact a scrap metal dealer for guidance on what metals they can recycle, prices and storage hints.
- Here are some businesses/companies that will take scrap metal: Other scrap metal dealers are listed in the Yellow Pages under 'Scrap Metal Merchants.'

Total Metal Recyclers

Contact: David Russell

Telephone: 0417 000 162

Fax: 9524 7099

Email: jishukan@bigpond.com

C.D. Dodd Scrap Metal Merchants (scrap machinery)

11 Kennedy Street

Maylands WA 6051

Telephone: 9250 5243



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Red Hill Landfill Facility (scrap motor cars) Tel: 9574 6235
(Eastern Metropolitan Regional Council)
1094 Toodyay Road
Red Hill, WA 6056
Telephone: 9574 6235
Website: www.emrc.org.au

SimsMelal Ltd
200 Barrington Street
Spearwood WA 6167
Telephone: 9434 2222

Collins Recycling Depot
16 Kembla Way
WILLETTON WA 6155
Telephone: 9457 3973
(Will take brass, copper, lead, aluminium, electrical cabling, and steel)

Mindarie Regional Landfill & Recycling Centre
Marmion Avenue
Mindarie WA 6030
Telephone: 9305 5246

Environmental Recovery Services
6 Carole Road
Maddington WA 6107
Telephone: 9493 1770
www.environmentalrecovery.com

Armadale Waste Disposal Facility
Hopkinson Road
Armadale WA 6111
Telephone: 9399 3935



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Smoke Detectors

Worth Knowing & Doing

- Smoke detectors contain small amounts of radioactive materials. The level is not enough to cause harm one-by-one.
- Avoid waste by buying good quality smoke-detectors designed for durability. Replace batteries regularly.
- Single smoke detectors, or a few devices can be disposed of to municipal rubbish tips via normal household rubbish.
- Disposal of larger quantities (several or many devices) should be done through the Mt Walton site via the Radiation Health Section of the Department of Health.
- For more information contact the Department of Environment Controlled Waste Section on telephone: 9222 7000 or the Department of Health on 4222 9222.



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Stamps (postage)

Worth Knowing & Doing

- Used stamps can be sent to:

All Signs

1026 Albany Hwy
East Vic Park WA 6100
Telephone: 9361 2662

- Stamps are also collected by Rotary and sent to India to raise funds for hospitals and education.



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Steel Cans

Worth Knowing

- Recycling steel and other metals is very important - it contributes to the local economy, creates jobs and significantly reduces both landfill problems and the need for new resources. In significant amounts, these recyclables can also earn your business money.
- Metals recycle very well. Steel cans for example, are 100% recyclable and can go on being recycled indefinitely. Recycling one kg of steel cans keeps 2kg of greenhouse gases out of our atmosphere compared to making 1 kg of cans from raw materials.
- WA is currently only recycling 43% of the steel cans we use each year.
- Some scrap metal merchants will supply a on site scrap bin that will be collected free of charge when full. Collection charges vary according to the amount and type of metal involved.
- Scrap metals includes a number of materials including batteries, cars, cast iron, machinery, electrical cable, brass, copper, stainless steel, radiators, aluminium and aluminium cans. Scrap metals can be used in their original form for construction. Alternatively they can be melted down to create new metals.
- Scrap metal dealers and recycling companies will also take reasonable quantities of steel cans. See the Yellow Pages for a list of steel can recyclers.
- Scrap metals includes a number of materials including batteries, cars, cast iron, machinery, electrical cable, brass, copper, stainless steel, radiators, aluminium and aluminium cans. Scrap metals can be used in their original form for construction. Alternatively they can be melted down to create new metals.

Worth Doing

- Contact the free Recycle @ Work hotline service for information on how to recycle more metals from your business.
- Check out our current list of scrap metal recyclers
- Look under "Scrap Metal" in the phone book
- Call your local council
- Keep an eye out for other local businesses who may have similar metals they would like to recycle - you may be able to share a solution.

Contact

Armadale Waste Disposal Facility
Hopkinson Road, Armadale WA 6111
Telephone: 9399 3935



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Toner Cartridges

Worth Knowing

- Toner cartridges supply the toner ink to paper in office and commercial printers.
- Whilst it is simple to refill toner cartridges with more toner once it has run out the cartridges are built of several components that do slowly wear out during the lifetime of a cartridge.
- Commonly when people buy second-hand toner cartridges they are buying a cartridge that has simply been refilled and placed back on the shelf, without refurbishing of worn or damaged components. This has led to a perception that second-hand cartridges are unreliable and of inferior quality, and hence people are less likely to purchase them.
- A number of Australian companies have been working in the recycled toner cartridge industry for a long time, and both refill and repair the cartridges. These companies have been facing an increasing task of educating customers about the refurbishment process, and the top quality of refurbished cartridges.
- It is also important to ensure that any company you purchase second-hand toner cartridges from also recycles the worn components and spent toner that they cannot use. For example, spent toner can be used for colouring plastics (eg the arms of office chairs), or in road markings.

Worth Doing

If you are interested in buying second-hand cartridges that are properly repaired and refurbished contact:

Auswide Office Supplies

Unit 2, 33 Industry Street
Malaga, WA 6090
Telephone: 9248 8466
Email: parag@auswideofficesupplies.com.au
www.auswideofficesupplies.com.au

Cart Collect

14 Westside Drive
West Laverton VIC 3026
Telephone: 1800 666 018
Email: info@cartcollect.com.au
Payment is offered for collected toner cartridges.
www.cartcollect.com.au/index.htm



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Fuji Xerox Australia

Cartridge Return Program
Collection boxes are placed in your office for free
Telephone: 13 11 14
http://www.fujixerox.com.au/support/cartridge_recovery.jsp

Inkmate

Unit 2, 15 Hector Street
Osborne Park WA 6017
Telephone: 9242 7700
Email: inmate@iinet.net.au

Laser Exchange

127 Hill Street
East Perth WA 6004
Telephone: 9221 3252

Laser Technologies

Unit 11, 15 Carbon Court
Osborne Park WA 6017
Telephone: 9445 6999
Email: lasertec@iinet.net.au
<http://www.lasertechnologies.com.au/>

Mosman Laser Service

Unit 10, 100 Stirling Highway
North Fremantle WA 6159
Telephone: 9433 1444

WA Toner Supplies

414 Newcastle Street
West Perth, WA 6005
Telephone: 9328 1511
Email: sales@imperialoe.com.au
www.imperialoe.com.au



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Tyres

Worth Knowing

- The equivalent of 1.5 million passenger vehicle tyres are sold in WA each year. This equates to about 15 000 tonnes of rubber.
- 650 000 tyres are landfilled within the metropolitan area and a further 30 000 are retreaded.
- When tyres are recycled often the rubber is broken down into rubber crumb that is used for any number of products. Common uses include new tyres or highway asphalt. 1000 tonnes of crumbed rubber is recycled into products such as floormats each year.

Worth Doing

- Buy well - buy good quality tyres that offer durability.
- Retread wherever possible.
- Avoid stockpiling - tyres can be a toxic fire hazard may encourage the breeding of mosquitoes.
- WA has regulations designed to promote the recycling and retreading of used tyres. The regulations also control the transport, storage and disposal of used tyres.
- Small numbers of tyres may be re-used (eg for holding down tarpaulins on hay stacks or for underwater habitat in marron farms) but any use of more than 100 tyres must have official approval. Contact the Department of Environment on 9222 7000.

Here are some businesses/companies that deal with unwanted tyres:

Car Tyres

Mr David Gooch
 Western Tyre Recycling
 PO Box 650
 GOSNELLS WA 6009
 Phone: 9452 3277



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Mr Carlo Mangione
Western Reclaim Pty Ltd
239 Fitzgerald Street
PERTH WA 6000
Phone: 9328 2192

Mr David Currie
Tyre Waste WA
13 Durham Road
BAYSWATER WA 6053
Phone: 9370 3626

Mr Ian Hunter
Reclaimed Resources
13 Durham Rd
Bayswater WA 6053
Ph: 9370 3626
Fax: 9272 4870

Mr Willy Van Grootel
Tyre Recyclers WA
23 Wotton Street
BAYSWATER WA 6053
Phone: 9471 7077

Truck tyres

Mr Chris Battel
Reclaim Industries
67 Miguel Road
BIBRA LAKE WA 6163
Phone: 9418 8144
cbattel@reclaim.com.au
www.reclaim.com.au

Earthmoving tyres

OTR Tyre Repairs and Sales
4 Rogers Way
LANDSDALE WA 6065
Phone: 9302 6066
Email: otrtyres@q-net.net.au



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Unknown chemicals

Please contact the Department of Environment Controlled Waste Branch if you have any concerns about the safe management and disposal of an unknown chemical (08) 9222 7000.



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White goods

Worth Knowing

- Hundreds of thousands of white goods items are sold in Australia each year
- These appliances contain significant amounts of metals, insulating materials, refrigerants and other substances that are valuable for recycling and important to keep out of landfills.

Worth Doing

White goods in reasonable working condition will be accepted by some community and charity groups. Alternatively look under 'second hand dealers' in the Yellow Pages.

Contact your local council or shire to find out the best option.

Contacts

RSPCA Society Stores

Clothing, furniture and household goods
108 Malaga Drive (Cnr Reid Hwy)
Malaga WA 6090
Telephone: 9248 3155 (General Info line)
Website: www.rspcawa.asn.au/Help/Stores.htm

Anglicare

Household goods, electrical goods and clothes
23 Adelaide Terrace
East Perth WA 6839
Telephone: 9263 2004

Paraplegic-Quadriplegic Association of WA Inc

10 Selby Street
Shenton Park WA 6010
Telephone: 9381 0111
Email: PQ1@paraquadwa.asn.au

Armadale Waste Disposal Facility

Hopkinson Road, Armadale WA 6111
Telephone: 9399 3935



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