

# **USAG Stuttgart**

# **Handbook for Waste Disposal**

**OFF-POST** 



**Handbook for Waste Sorting - Off-Post** 

Counties of Böblingen, Esslingen, Ludwigsburg, and Stuttgart

Version October 2023



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### Introduction

Principles of **reduce**, **reuse**, **recycle** underlie policies established in Germany to foster sustainable materials management. The **Closed Substance Cycle and Waste Management Act**, first published in 1994, was designed to integrate product responsibility into economic decision-making, with the aim of building a life cycle economy that avoids the generation of waste.

The Act states that whoever produces, markets and consumes goods is responsible for the avoidance, recycling, reuse, and environmentally-sound disposal of waste. As a result, it establishes a hierarchy of avoidance, recovery, and disposal that emphasizes waste avoidance, promotes low-waste products, and provides incentives for waste recovery practices.

Properly sorting and recycling waste in turn:

- ⇒ Saves energy
- $\Rightarrow$  Reduces air pollution
- ⇒ Decreases greenhouse gas emissions
- ⇒ Saves money

Your participation is vital for the success of all recycling efforts! Making small changes in your daily life style will reduce waste!

REDUCE

the amount of trash discarded, e.g., choose products with less packaging. Choose loose fruit, cheese, and meat. Buy products in glass jars and tins which can be recycled. Use "Bags for Life" available at supermarkets.

REUSE

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packaging materials, containers and products, e.g. give unwanted clothes, books, toys, and household items to friends or charities. Reuse old carrier bags when at the supermarket. Use both sides of a sheet of paper.

RECYCLE materials that can be reutilized, e.g., make use of your local recycling center.

Recycle your garden waste at home in a composter. Close the loop, buy recycled products.

# Recycling at USAG Stuttgart

Recycling has become very important because disposal fees are rising and awareness of the value of the materials we use for packaging has increased. Waste has become a secondary raw material. We should all work together in order to comply with local Host Nation laws and U.S. Army regulations. Like it or not, garbage is everyone's business. We all generate it, handle it, and pay to dispose of it.

This booklet will provide you with information of the recycling program of the various counties in and around the city of Stuttgart. Be sure to check out what is applicable in your respective county and comply to the appropriate disposal requirements. Ask your landlord or review your community websites for pick-up schedules and location of the nearest recycling and yard waste locations.

With this information to use as a guide, you will have a better understanding

of the different disposal requirements and be prepared to properly manage and dispose of waste per your county guidelines. Your active participation is needed to make the program work.

According to the USAG Stuttgart Policy Letter # 21, Trash Separation and Illegal Dumping of Trash, it is prohibited to bring trash, recyclables, or any type of item generated off-post and disposing of them onpost at any USAG Stuttgart installations.



- ⇒ Take pride in our environment.
- ⇒ Participate and recycle.
- $\Rightarrow$  Do it for the future.
- ⇒ Be good stewards as the U.S Forces residing in our Host Nation!

## Who, What, and How

**Who** Everybody must participate in recycling.

What All wastes that can be reused need to be recycled, such as

paper, glass, metal cans and plastics.

**How** Separate and sort recyclable materials from normal trash and

by place them in the proper containers.



- ⇒ Most wastes produced are recyclable; unfortunately, recycling is not always realized and this leads to the improper disposal of waste.
- ⇒ Approximately 50% of average household waste is recyclable and more so in offices. The most important materials that should always be recycled are cans, paper, plastic, and glass.

# **Reduce - Tips for Waste Avoidance**

Avoidance starts by thinking and observing. Think about the products you use and whether they ensure an environmentally sound disposal at the end of their life cycle. Is there a way to substitute these products for those that are multi-use, long-life and repair-friendly, which can be recycled and disposed of as unproblematically as possible?

In the end you can control the amount of waste that you generate by being mindful of the consumable goods you use, which all begins with our everyday shopping habits. Some basic tips to be mindful of include:

- ⇒ Take a reusable bag or basket with you when you go shopping. If you have to use a plastic bag, then try and reuse it as many times as you can.
- ⇒ When purchasing plastic and glass bottles at local markets, make sure to bring to returnable container systems
- ⇒ If possible select unwrapped items. Choose ecologically sound, garbage-reducing products that can be recycled.
- ⇒ Be mindful of the packaging of products. Avoid items that are double or triple packed with paper and plastic.

Non-recyclable items avoid include:

○ Paper/plastic cups & plates

Non-returnable bottles

Paper napkins

O Plastic bags

O Disposable razors

Overwrapped items

Avoid products that contain hazardous chemicals as they can harm to you, your family, and the environment. Try to use non-hazardous products whenever possible.

- ⇒ Some things are still good and can be reused before throwing away
- ⇒ For items you no longer need, try to give to friends or neighbors who might have a use for them, sell them at a yard sale or flea market.

## **Reuse - Thrift Shop**

Household goods, clothing, and other items no longer needed can be donated to the Patch Thrift Shop, which is operated by the Stuttgart Community Spouses' Club (SCSC). All the proceeds generated go back to the community in form of scholarships, grants, and financial support for various groups and activities within the Stuttgart military community.

- ⇒ The Patch Thrift Shop is located on Patch Barracks in Building 2332.
- ⇒ Donate during the SCSC Patch Thrift Shop operating hours.

⇒ Leaving items not accepted by the SCSC Patch Thrift Shop violates the Commander's policy regarding illegal dumping of trash. Violators are subject to penalty.

### Items not accepted:

- Mattresses & box springs
- ∇Vs
- O Car seats & helmets
- O Drop-side cribs
- Auto parts
- Gasoline-powered items
- Uniforms & military gear

- ⇒ The Thrift Shop reserves the right to refuse any item.

Operating hours		
Mon	Closed	
Tue	1000 - 1600 hrs	
Wed	1000 - 1800 hrs	
Thu	1000 - 1800 hrs	
Fri	1000 - 1600 hrs	
1st & 3rd Sat	1000 - 1400 hrs	
Sun	Closed	



Contact: Phone - 0711-6805510

email - <a href="mailto:patchthriftshop@gmail.com">patchthriftshop@gmail.com</a> or <a href="mailto:scsc.thriftliason@gmail.com">scsc.thriftliason@gmail.com</a>

Web - www.facebook.com/page/SCSC-Patch-Thrift-Shop

Web - www.stuttgartspousesclub.org

# **County of Böblingen**





# **County of Böblingen**

In the County of Böblingen different containers are provided for the collection and separation of recyclable materials and waste. The following pages provide detailed information on the different waste types, their separation criteria, and collection options. Below are the bins made available by the county for each household.

Paper & Cardboard Everything made out of paper and cardboard	⇒ Optional bin ⇒ Pick-up: monthly	No additional charges
Orange Bin Packaging materials, drink cartons, aluminum items	⇒ Optional bin ⇒ Pick-up: monthly	Charged; Refer to website for fee schedule
Red Bag (placed inside the Orange Bin Small electronic scrap e.g., cell phones, CDs,	⇒ Optional ⇒ Pick-up: monthly	No additional charges
Biodegradable Waste Food leftovers, leaves, grass, twigs	⇒ Mandatory bin * ⇒ Pick-up: bi-weekly	Charged; Refer to website for fee schedule
Residual Waste Everything not recyclable (non-hazardous / bulky)	⇒ Mandatory bin ⇒ Pick-up: bi-weekly	Charged (depends on pick- ups & container size)

- ⇒ On the day of pickup, make sure to place your waste containers outside before 0600 hrs on the scheduled date.
- \* The biodegradable waste bin is not mandatory and a composter can be used instead.
  - ⇒ For further information on the recycling program for the County of Böblingen, visit: www.awb-bb.de, call +49 7031 663 1550
  - ⇒ A mobile app is available and can be downloaded at <u>www.awb-bb.de/start/Service+ +Verwaltung/App.html</u>
  - ⇒ Pick-up schedule can be accessed at the link: <a href="https://www.awb-bb.de/start/Service+">https://www.awb-bb.de/start/Service+</a> +Verwaltung/ Abfuhrtermine.html



# **Recycling Centers**

There are a total of 31 recycling centers in the County of Böblingen. There is at least one located in every community and it has collection containers for most materials, except biodegradable and residual waste. Addresses and opening hours of some of these locations are listed below. Additional recycling centers can be found at the link provided below.

Böblingen	Mon - Fri	1000 - 1800
Schönaicher Straße 71	Sat	0900 - 1500
Böblingen-Hulb *	Mon - Fri	1000 - 1800
Hanns-Klemm-Straße 31	Sat	0900 - 1500
Herrenberg-Kayh *	Wed, Fri	1000 - 1800
Gipswerkstraße 19	Sat	0900 - 1500
Jettingen	Wed, Fri	1500 - 1800
Hohenrainstraße 15	Sat	0900 - 1500
Leonberg	Mon - Fri	0900 - 1800
Bahnhofstraße 88	Sat	0900 - 1500
Renningen-Malmsheim	Mon - Fri	0730 - 1200
Erddeponie (at K1013)		1300 - 1630
	Sat	0900 - 1500
Waldenbuch-Steinenbronn	Wed, Fri	1300 - 1800
Umgehungstraße 100	Sat	0900 - 1500

<sup>\*</sup> Accepts hazardous waste.

Additional recycling centers can be found at: <a href="https://www.awb-bb.de/start/entsorgen/wertstoffhofliste.html">https://www.awb-bb.de/start/entsorgen/wertstoffhofliste.html</a>



# **Orange Bin**

Orange containers are for the disposal of all packaging material. The plastics collected are recycled to produce new bottles, containers, irrigation pipes and fleece jumpers. Recycled aluminum is used to produce cans and other aluminum products.

⇒ Ensure that all recyclable items are empty upon disposal.



- ⇒ Plastics thrown into the ocean kill as many as 1,000,000 sea creatures every year!
- ⇒ It takes up to 500 years to decompose plastic items in landfills.



# Paper & Cardboard

In the County of Böblingen, paper and cardboard are disposed of in blue containers. Below is a list of the types of material that can be disposed of in the blue containers.

- ⇒ Make sure to fold bulky cartons or boxes before putting them into the container.
- ⇒ Remove all paper clips, adhesive tapes, plastics, and other packaging material prior to disposing.



#### This includes:

- √ Books
- ✓ Brochures
- ✓ Cardboard
- ✓ Catalogues
- √ Magazines
- ✓ Newspaper
- ✓ Office paper
- ✓ Paper packaging
- ✓ Boxes



#### This does not include:

- ✓ Coated paper
- ✓ Dirty paper
- ✓ Tissues
- ✓ Paper towels / napkins
- ✓ Wallpaper
- ✓ Waxed paper
- ✓ Drink cartons
- ✓ Egg cartons

- $\Rightarrow$  75% of the trees cut for paper are not used for paper products.
- ⇒ Recycling a single run of the Sunday *New York Times* would save 75,000 trees.
- ⇒ Recycled paper and cardboard can be used to make packaging material, industrial paper, tissues, and newspapers.



## Red Bag

The red bags are used for the collection of small electronic items. Upon disposal, each item is mechanically disassembled, harmful substances are removed, and valuable metals are recovered and recycled into new products. These red bags are placed in the orange containers and both are picked-up together.



NOTE: Place the Red Bag into the Orange Bin.

### Did you know that ....

⇒ Most electronics contain heavy metals and organic chemicals, which can pose a variety of hazards to human health and can even cause cancer, if not properly recycled.



# **Biodegradable Waste**

The container for biodegradable waste is solely for compostable waste from the kitchen and garden. For the County of Böblingen it is collected in a green container. All biodegradable waste should be disposed of in this container as it is 100% recyclable. Never dispose plastic bags in biodegradable waste bins, even if labeled 'biodegradable', 'decomposable', or 'biobeutel'.



- filter paper & tea bags
- ✓ Paper egg boxes
- ✓ Fruits & vegetables
- ✓ Leaves & grass
- ✓ Tree & hedge cuttings
- ✓ Meat (raw & cooked)
- √ Food leftovers (raw & cooked)



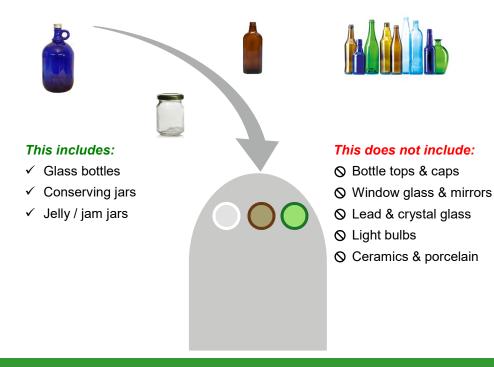
- Animal litter
- Charcoal & ash
- O Dust & cigarette butts
- ♦ Vacuum cleaner bags
- O Biodegradable bags
- Packaged food
- ♠ Bones
- garden clippings)
- O Paper napkins / towels
- ⇒ Do not dispose large chunks of wood in this bin, take them to the recycling center.
- ⇒ Always line your bin and wrap your waste with newspaper against odor and moisture and rinse your bin with the garden hose from time to time.
- ⇒ During winter, place a sheet of newspaper at the bottom of your bin to prevent waste freezing at the bottom.



## **Glass**

Glass is collected and sorted by colors: green, white (clear) and brown. In each community, there are public containers at specific locations for sorting and collection of glass-based materials.

- ⇒ Drop off glass bottles / jars by color. All other colors go as green.
- ⇒ Make sure to empty all glass bottles/jars before disposal.



- ⇒ Recycling glass requires only 50% of the energy necessary to make glass from sand.
- ⇒ A 100-watt light bulb can be lit for 4 hours from the energy saved by recycling a glass bottle or power a PC for almost half an hour.



## **Residual Waste**

Waste that cannot be recycled or whose means of recycling is not yet determined is considered residual waste. The waste is collected in gray containers for thermal treatment in waste incineration plants for generating energy.

- ⇒ Keep the amount of residual waste as low as possible.
- ⇒ Put greasy and oily paper or cardboard (e.g., soiled pizza boxes and sandwich paper wrappings) into residual waste, not into paper and cardboard containers.





### This includes:

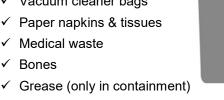


- ✓ Ashes, dust, dirt
- ✓ Cigarette butts
- ✓ Diapers
- ✓ Dirty recyclable trash
- ✓ Dirty packaging
- ✓ Vacuum cleaner bags
- ✓ Paper napkins & tissues

- ✓ Grease (only in containment)

#### This does not include:

- All types of packaging
- Glass
- Batteries
- Hazardous waste
- Metals



- ⇒ during incineration harmful gases, particles, and heavy metals are generated that must be filtered from the gases before emitted into the atmosphere?
- ⇒ reducing residual waste benefits the environment, human and health and saves money!



# **Hazardous Waste | Batteries**

Hazardous waste can only be disposed at specific recycling centers (see page 11 for disposal locations). Household batteries can be dropped placed into special collection boxes, which are located at any shop selling batteries.

- ⇒ Hazardous items must be provided in their original labeled container
- ⇒ Never mix different types of hazardous substances
- ⇒ Return used motor oil to the shop where it was purchased
- ⇒ Return car batteries at recycling centers or shops selling batteries in exchange for a new battery.



### Did you know that ...

⇒ One liter of waste oil can contaminate one million liters of drinking water?



# **Bulk | Large Electronics**

Bulky waste and large electronic devices (max. 3 m³) can be **picked-up upon request**, but will be charged for service. The request for pick-up can be done either online or by phone (see contact details below). Bulk waste can also be brought directly to the Recycling Center at any time free of charge.



- \* Pick-up of large electronics, such as washing machines, refrigerators, and dish washers are charged additionally.
- ⇒ Request for pick-up with a lead time of approximately 3 weeks; refer to website for fee schedule.
- ⇒ An express pick-up (within 3 working days) is at an additional charge.
- ⇒ For pick-up call: **+49 7031 663 1550**
- ⇒ Online: Request form under <u>www.awb-bb.de</u> or send an email to <u>abfallinfo@Irabb.de</u>



## **Clothes & Shoes | Textiles**

Wearable clothes, shoes, and other textiles can be disposed of in special containers often provided by non-profit organizations. Please pack all materials for donation in bags.

- ⇒ Only use containers labelled "AWB", "Altkleider", or "Red Cross".
- ⇒ "AWB" and "Altkleider" only accept clothes and shoes, while "Red Cross" accepts other textiles.



- ✓ Clothes
- √ Shoes (in pairs)
- ✓ Bed linen
- ✓ Household linen
- ✓ Table linen
- ✓ Blankets

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**AWB** 

⇒ AWB container locations can be found under the following link: <u>www.awb-bb.de/standorte</u>

- $\Rightarrow$  65% of all donated clothes are re-distributed as second-hand clothes.
- $\Rightarrow$  The 30% that are not wearable are recycled and used to produce new fabrics. The remaining 5% are thermally recycled.

# **County of Esslingen**





# **County of Esslingen**

In the County of Esslingen, different containers are provided for the collection and separation of recyclable materials and waste. The following pages provide detailed information on the different waste types, their separation criteria, and collection options. Listed below are the trash bins made available by the county for each household.

Paper & Cardboard Everything made out of paper and cardboard	⇒ Optional bin ⇒ Pick-up: monthly	No additional charges
Yellow bags	-> Ontional	Nie additional
Packaging materials, aluminum cans	⇒ Optional ⇒ Pick-up: bi-weekly	No additional charges
Biodegradable Waste	⇒ Mandatory bin *	Charged
Cooked & raw food, garden clippings	⇒ Pick-up: weekly (Jun-Sep) bi-weekly (Oct-May)	(depends on container size)
Residual Waste Everything not recyclable (non-hazardous)	⇒ Mandatory bin ⇒ Pick-up: bi-weekly	Charged (depends on pick- ups & container size)

- $\Rightarrow$  Optional bins can be requested from the recycling company directly
- ⇒ On the day of pickup, make sure to place your waste containers outside before 0600 hrs of the scheduled date
- \* The biodegradable waste bin is not mandatory and a composter can be used instead.
  - ⇒ For further information on the recycling program for the County of Esslingen visit: <a href="www.awb-es.de">www.awb-es.de</a>
  - ⇒ For the pick-up schedule, use the following website:

    http://www.awb-es.de/abfuhr/abfuhrtermine/ Abfurtermine.html



# **Recycling Centers**

In addition to the waste collection system, the County of Esslingen offers disposal collection points and containers at recycling centers for most waste materials. Below are some of the recycling centers and their corresponding operational hours.

Recycling Center Katzenbühl, Esslingen Stettener Straße between ES-Wäldenbronn	Mon - Fri	0900 - 1200 1300 - 1645
& Stetten	Sat	0830 - 1230
Recycling Center Blumentobel, Beuren K 1243 at Tiefenbachtal between Nürtingen	Mon - Fri	0900 - 1200 1300 - 1645
& 72660 Beuren	Sat	0830 - 1230
Recycling Center Leinfelden, Echterdingen	Sat	0900 - 1200
Sielminger Straße 65/1		
Recycling Center Esslingen Zollberg Composting Plant	Mon - Fri	0900 - 1230 1330 - 1700
Hohenheimer Straße	Sat	0900 - 1200
Recycling Center Ostfildern, Scharnhauser Park	Wed, Fri	1400 - 1700
Ernst-Heinkel-Straße 12	Sat	1400 - 1700
Recycling Center Filderstadt-Bonlanden Eichholz	Mon, Wed, Fri	1300 - 1700
Gutenhalde, between Bonlanden & Aich)	Sat	0830 - 1330
Recycling Center Owen	Mon	1600 - 1800
Owen, Brühlstr. 37/2		

- ⇒ Further recycling centers can be found using the following link:

  <u>https://www.awb-es.de/standorte/standorte\_des\_awb/\_Standorte\_des-AWB</u>
- ⇒ The hazardous waste collection centers can be found using the following link: <a href="https://www.awb-es.de/abfallinfo/problemstoffe/">https://www.awb-es.de/abfallinfo/problemstoffe/</a> Problemstoffe.html



# Paper & Cardboard

In the County of Esslingen, paper and cardboard are disposed of in a blue container. Below is a list of the types of materials that can be disposed of in the blue containers.

- ⇒ Make sure to fold bulky cartons or boxes before putting them into the container.
- ⇒ Remove all paper clips, adhesive tapes, plastics, and other packaging materials prior to disposing.



- $\Rightarrow$  75% of trees cut for paper are not used for paper products.
- ⇒ Recycling a single run of the Sunday *New York Times* would save 75,000 trees.
- ⇒ Recycled paper and cardboard can be re-used to make packaging material, industrial paper, tissues, and newspapers.



# **Yellow Bags**

The yellow bags are used for collecting recyclable plastic and packaging materials in the County of Esslingen. Below are some items that can be disposed of in the yellow bags.

- ⇒ Yellow bags can be obtained from recycling centers or city halls for free.
- ⇒ All recyclable items have to be empty when disposing them, but must not be necessarily clean.



⇒ For the pick-up schedule, use the following website: www.awb-es.de/abfuhr.html

- ⇒ Plastics thrown into the ocean kill as many as 1,000,000 sea creatures every year.
- ⇒ There is no limit to the amount of times an aluminum can be recycled.



# **Biodegradable Waste**

The container for biodegradable waste is solely for compostable waste from the kitchen and garden. For the County of Esslingen it is collected in a brown container. All biodegradable waste should be disposed of in this container as it is 100% recyclable. Never dispose plastic bags in biodegradable waste bins, even if labeled 'biodegradable', 'decomposable', or 'biobeutel'.





#### This does not include:

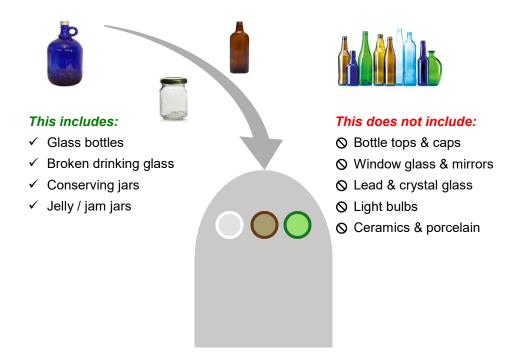
- O Diapers
- Animal litter
- Charcoal & ash
- O Dust & cigarette butts
- ∨ Vacuum cleaner bags
- O Grease & oil
- Biodegradable / plastic bags
- Wood (other than garden clippings
- ⇒ Do not dispose large chunks of wood in this bin, take them to the recycling center.
- ⇒ Always line your bin and wrap your waste with newspaper against odor and moisture and rinse your bin with the garden hose from time to time.
- ⇒ During winter, place a sheet of newspaper at the bottom of your bin to prevent waste freezing at the bottom.



## **Glass**

Glass is collected and sorted by colors: green, white (clear) and brown. In each community, there are public containers placed at specific locations for sorting and collection of glass-based materials.

- ⇒ Drop off glass bottles / jars by color. All other colors go as green.
- ⇒ Make sure to empty all glass bottles / jars before disposal.



- ⇒ Recycling glass requires only 50% of the energy necessary to make glass from sand.
- ⇒ A 100-watt light bulb can be lit for 4 hours from the energy saved by recycling a glass bottle or power a PC for almost half an hour.



## **Residual Waste**

Waste that cannot be recycled or whose means of recycling is not yet determined is considered residual waste. The waste is collected in gray containers for thermal treatment in waste incineration plants for generating energy.

- ⇒ Keep the amount of residual waste as low as possible.
- ⇒ Put greasy and oily paper or cardboard (e.g., soiled pizza boxes and sandwich paper wrappings) into residual waste and not into paper and cardboard containers.





- ✓ Animal litter
- ✓ Ashes, dust, dirt
- ✓ Broken items
- ✓ Cigarette butts
- ✓ Diapers
- ✓ Dirty recyclable trash
- ✓ Porcelain
- ✓ Paper napkins, tissues
- ✓ Vacuum cleaner bags
- ✓ Meat & bones
- ✓ Medical waste



#### This does not include:

- All types of packaging
- Glass
- O Paper & cardboard
- Batteries
- Hazardous waste
- Metals

- ⇒ during incineration harmful gases, particles, and heavy metals are generated that must be filtered from the gases before emitted into the atmosphere?
- ⇒ a reduction of residual waste benefits not only the environment but also human health!





# **Hazardous Waste | Batteries**

Hazardous waste can only be disposed at specific recycling centers (see page 23 for disposal locations). Household batteries can be placed into special boxes, which are located at any shops selling batteries.

- ⇒ Hazardous items must be provided in their original labeled container
- ⇒ Never mix different types of hazardous wastes
- ⇒ Return used motor oil to the shop where it was purchased
- ⇒ Return car batteries a recycling centers or shops selling batteries in exchange for new ones.



### Did you know that ...

⇒ One liter of waste oil can contaminate one million liters of drinking water?



### **Electronics**

Dispose all electronic devices at a recycling center. Large electronic devices can be picked-up along with bulk waste (refer to page 31), but there is a required fee for this service. Direct disposal at a recycling center is free of charge.



### Did you know that...

⇒ Each electronic device is mechanically disassembled and harmful substances are removed. The highly valuable metal materials are recovered, recycled and used to make new products.



### **Bulk Waste**

Bulk waste can be **picked-up upon request twice a year** using a disposal card (Sperrmüllkarten) with a lead time of 2 weeks. The disposal card is attached to the pick up schedule (Abfalllkalender) provided by the county at the beginning of each year to all households (see contact details below) in the county.





#### This does not include:

- Cardboard boxes
- Residual waste bags
- Renovation work waste
- Radiators & oil tanks
- Building wastes
- Old tires

- ✓ Couches & chairs
- Coderios a chanc
- ✓ Cupboards & carpets✓ Tablets & cabinets
- ✓ Large toys
- ✓ Mirrors





- ⇒ Large electronic devices can be picked-up with bulk furniture waste, for an additional fee. Refer to website for current rates.
- ⇒ Bulk waste and large electronic devices can also be disposed directly at a Recycling Center using the "Disposal Card"
- ⇒ To request a pick-up call: 0800-931-2526 or email: service-awb@lra-es.de



# **Clothes & Shoes | Textiles**

Wearable clothes, shoes, and other textiles can be disposed in special containers often provided by non-profit organizations. While some containers are only provided for clothes and shoes, others are also meant for other textiles. Please pack all materials for donation in bags.





- ✓ Clothes
- ✓ Shoes (in pairs)
- ✓ Bed linen
- ✓ Household linen
- ✓ Table linen
- ✓ Woolen rugs & blankets





- ⇒ Please use only those containers provided by non-profit organizations.
- ⇒ Containers labeled with "Altkleider" are specifically meant for clothes and shoes.

- ⇒ Approximately 65% of all donated clothes are re-distributed as second-hand clothes.
  - ⇒ The 30% that are not wearable are recycled and used to produce new fabrics. The remaining 5% are thermally recycled.

# **County of Ludwigsburg**





## **County of Ludwigsburg**

In the County of Ludwigsburg, several containers are provided separate collection of different types of recyclables and waste. Below you will find an overview of the main recyclable material and waste streams, their associated containers, and scheduled collection program. The following pages will provide detailed information for each waste stream.

Yellow bin Packaging made of plastic, styrofoam or metals	⇒ Optional bin ⇒ Pick-up: Monthly	No additional charges **
Papers & Cardboards Paper/cardboard	⇒ Optional bin ⇒ Pick-up: Monthly	No additional charges **
Biodegradable Waste Cooked & raw food, garden clippings	⇒ Mandatory bin * ⇒ Pick-up: weekly (Apr-Oct) bi-weekly (Nov-Mar)	Charged ** (depends on pick- ups & container size)
Residual Waste Everything not recyclable (no hazardous/bulk)	⇒ Mandatory bin ⇒ Pick-up: bi-weekly	Charged ** (depends on pick- ups & container size)
Glass Empty disposable glass pakaging	⇒ Optional bin ⇒ Pick-up: Monthly	No additional charges **

- ⇒ Optional bins can be requested from the recycling company directly.
- ⇒ On the day of pickup, make sure to place your containers outside before 6:00 hrs. on the scheduled date.
- \* The biodegradable waste bin is not mandatory and a composter can be used instead.
- \*\*There is an additional annual charge for waste disposal depending on the number of persons per household.
  - ⇒ For further information on the recycling program for the County of Ludwigsburg visit: <a href="https://www.avl-ludwigsburg.de">www.avl-ludwigsburg.de</a>
  - ⇒ The annual waste pick-up calendar can be downloaded from the following website: <a href="https://www.avI-ludwigsburg.de/">https://www.avI-ludwigsburg.de/</a>
    kundenportal/abfallkalender



# **Recycling Centers**

In addition to the waste collection system, the County of Ludwigsburg offers disposal collection points and containers at recycling centers for most recyclable materials and wastes. Below are some of recycling centers and their corresponding operational hours.

Ludwigsburg-Neckarweihingen	Mon, Tue, Wed, Fri	0845 - 1230
Recycling Center Neckartal		1330 - 1700
Neckartalstraße 10	Sat	0900 -1400
71642 Neckarweihingen		
Kornwestheim	Mon, Wed, Thu, Fri	0845 - 1230
Recycling Center Wasserturm		1330 - 1700
Am Wasserturm 11	Sat	0845 -1300
Recycling Center Hofgut Mauer	Mon, Wed	1400 - 1700
Hofgut Mauer	Tue, Thu	0900 - 1200
70825 Korntal-Münchingen	Fri	1400 - 1800
	Sat	0900- 1300
Mobile Hazardous Waste Collection		
A) Recycling Center Wasserturm	Check website for dates and	
B) Maybachstrasse, Wendeplatte, 71634 Ludwigsburg	locations.	

- ⇒ All recyclable materials can also be disposed directly at a recycling center with the exception of biodegradable and residual wastes.
- ⇒ Further recycling centers can be found under the following link:

  https://www.avl-ludwigsburg.de/privatkunden/annahmestellen/
- ⇒ Information about the Mobile Hazardous Substances Collection Truck are available under: <a href="https://www.avl-ludwigsburg.de/index.php?id=117">https://www.avl-ludwigsburg.de/index.php?id=117</a>



## **Yellow Bin**

In the County of Ludwigsburg a black bin with yellow lid is used for the disposal of all packaging not made of paper or glass.

- ⇒ All recycling items do not have to be cleaned but must be empty.
- ⇒ Remove the cover of packaging and dispose them loosely.
- ⇒ Do not stack inside each other.



- ⇒ Plastics thrown into the ocean kill as many as 1,000,000 sea creatures every year.
- ⇒ It takes up to 500 years to decompose plastic items disposed in landfills.



## **Glass**

In the County of Ludwigsburg there is a black container with blue lid for the collection of empty glass packaging. These items will be recycled and used to make new products.

⇒ All recycling items do not have to be cleaned but must be empty.





#### This includes:

#### Empty glasses:

- ✓ All glass bottles without deposit, e.g., for wine, milk, oil, spirits, vinegar etc.
- ✓ Perfume glass bottles
- ✓ Non-returnable glass bottles & jars
- ✓ Lids & caps
- Other glass packaging for fruit, juice, soups, vegetables etc.

#### This does not include:

- O Drinking glasses
- Window glasses, nor porcelain
- Residual waste
- Plastic bags



- ⇒ Recycling glass requires only 50% of the energy necessary to make glass from sand.
- ⇒ A 100-watt light bulb can be lit for 4 hours from the energy saved by recycling a glass bottle or power a PC for almost half an hour.



# **Paper and Cardboard**

The flat green container is used to collect paper and cardboard only.

- ⇒ Make sure to fold or tear bulky cartons or boxes before putting them in the container.
- ⇒ Remove all paper clips, adhesive tapes, plastics, and other packaging materials before putting in the container.



#### This does not include:

- O Dirty paper
- Packaging materials
- ♦ Electronic scrap
- Receipts, photos

- $\Rightarrow$  75% of the trees cut for paper are not used for paper products.
- ⇒ Recycling a single run of the Sunday *New York Times* would save 75.000 trees.
- ⇒ Recycled paper and cardboard can be re-used to produce packaging material.



## **Biodegradable Waste**

The container for biodegradable waste is solely for compostable waste from the kitchen and garden. In the County of Ludwigsburg, it is collected in brown containers. All biodegradable waste should be disposed of in this container as it is 100% recyclable. Never dispose plastic bags in biodegradable waste bins, even if labeled 'biodegradable', 'decomposable', or 'biobeutel'.



- ⇒ Do not dispose large chunks of wood in this bin, take them to the recycling center.
- ⇒ Always line your bin and wrap your waste with newspaper against odor and moisture and rinse your bin with the garden hose from time to time.
- ⇒ During winter, place a sheet of newspaper at the bottom of your bin to prevent waste from freezing at the bottom.



## **Residual Waste**

Waste that cannot be recycled or whose means of recycling is not yet determined is considered residual waste. Residual waste is collected in a gray container and is collected for thermal treatment in waste incineration plants for generating energy.

- ⇒ Keep the amount of residual waste as low as possible.
- ⇒ Put greasy, oily paper and cardboard (e.g. soiled pizza boxes and sandwich paper wrappings) into the residual waste, and not into paper and cardboard containers.





#### This includes:

- ✓ Animal litter
- ✓ Ashes, dust, dirt
- ✓ Broken items
- ✓ Cigarette butts
- ✓ Diapers, cotton, pads
- ✓ Dirty recyclable trash
- ✓ Porcelain & mirrors
- √ Vacuum cleaner bags
- ✓ Disposable mask & gloves
- ✓ Light bulbs





#### This does not include:

- All types of packaging
- Glass
- O Paper & cardboard
- Batteries
- Hazardous waste
- O CDs/ DVDs
- Metal scrap

- ⇒ during incineration harmful gases, particles, and heavy metals are generated that must be filtered from the gases before emitted into the atmosphere.
- ⇒ a reduction of residual waste benefits not only the environment but also human health!





## **Electronic Waste**

All electronic devices are to be disposed at a recycling center (see page 35). Large electronic devices can be picked-up twice a year free of charge by a bulk waste disposal car. Direct disposal at a recycling center is possible anytime throughout the year.

- ⇒ For pick-up request please call 07141-144-2828.
- ⇒ All Recycling Centers accept electronic scrap.
- ⇒ Pick-up is upon request and up to twice a year free of charge. Application forms are sent to households annually.



### Did you know that ...

⇒ Most electronic devices contain heavy metals and organic chemicals that pose a variety of hazards to human health and can cause cancer, if not recycled properly.

# **Hazardous Waste | Batteries**

Hazardous waste can only be disposed at mobile collection points. Household batteries can be placed into special collection boxes that are available at any shop selling batteries.

- ⇒ Never mix different types of hazardous wastes.
- ⇒ Return used motor oil to the shop where it was purchased.
- ⇒ Return car batteries at recycling centers or shops selling batteries in exchange for a new battery.



### \*Did you know that ...

⇒ One liter of waste oil can contaminate one million liters of drinking water



# **Clothes & Shoes | Textiles**

Wearable clothes and shoes and other textiles can be disposed at the recycling centers. Please pack all materials for donation in bags.



- ⇒ 65% of all donated clothes are re-distributed as second-hand clothes.
- $\Rightarrow$  30% that are not wearable are recycled and made into new fabrics, and
- ⇒ the remaining 5% are thermally recycled.



### **Bulk Waste**

Bulk furniture waste is **picked up once a year upon request** free of charge using a disposal card. The disposal card is attached to the pick up schedule, provided by the county to every household at the beginning of each year. Bulk waste can also be brought directly to a recycling center at any time of the year free of charge using the disposal card.

- ⇒ For requesting a pick-up, call: 07141-144-2828 / website form (see link below)
- ⇒ Waste is picked up between one to five weeks upon request.
- ⇒ Unregistered items will not be picked up.



- ⇒ Scrap metals such as bikes, pipes, baby buggies, laundry rags, metal rags can be picked up twice a year without extra charges (further pick-ups are charged).
- ⇒ <a href="https://www.avl-ludwigsburg.de/privatkunden/service/">https://www.avl-ludwigsburg.de/privatkunden/service/</a>
  <a href="mailto:sperrmuell/online-formular/">sperrmuell/online-formular/</a>

# **City of Stuttgart**





# **City of Stuttgart**

In the City of Stuttgart, several containers are provided for separately collecting different recyclables and waste types. Below is an overview of the main recyclable and waste streams, their associated containers, and scheduled collection program. The following pages will provide detailed information for each waste stream.

Paper & Cardboard  Everything made from paper and cardboard	⇒ Mandatory bin ⇒ Pick-up: 3-week interval	No additional charges
Yellow bags Packaging materials, aluminum cans	⇒ Optional ⇒ Pick-up: 3-week interval	No additional charges
Biodegradable Waste Food leftovers, leaves, grass, twigs	⇒ Mandatory ⇒ Pick-up: weekly	Charged (depends on pick- ups & container size)
<b>Glass</b> Bottles, drinking glasses, jars	⇒ Public container	No additional charges
Residual Waste Everything not recyclable (no hazardous/bulk)	⇒ Mandatory bin ⇒ Pick-up: bi-weekly/ weekly *	Charged (depends on pick-ups & container size)

- ⇒ Optional bins can be requested from the recycling company directly through the landlords
- ⇒ On the day of pickup, make sure to place your waste containers outside (where it is easily accessible) before 0600 hrs on the scheduled date.
- ⇒ Pick-up frequency can be changed from weekly to bi-weekly and vice versa (see link to pick-up schedules below).
  - ⇒ For further information on the recycling program of the City of Stuttgart visit: www.stuttgart.de/abfall
  - ⇒ The pick-up schedule can be accessed under the following link: https://service.stuttgart.de/lhs-services/aws/abfallkalender



# **Recycling Centers**

There are a several recycling centers, one in every community, with collection points/container for most materials. All recyclables and wastes can be disposed directly at the recycling centers except for biodegradable waste. Below are a few addresses and opening hours of recycling centers in Stuttgart.

Recycling Center Hedelfingen	Tue, Wed, Fri	0800 - 1200	1300 - 1600
Einödstraße 50	Thu	0800 - 1200	1300 - 1800
70329 Stuttgart-Hedelfingen	Sat	0800 - 1300	
Recycling Center Plieningen	Tue, Wed, Fri	0800 - 1200	1300 - 1600
In den Entenäckern 3 70599 Stuttgart-Plieningen	Thu	0800 - 1200	1300 - 1800
	Every 1 & 3 Sat	0800 - 1300	
Recycling Center Vaihingen	Tue, Wed, Fri	0800 - 1200	1300 - 1600
Liebknechtstraße 49/1	Thu	0800 - 1200	1300 - 1800
70565 Stuttgart-Vaihingen	Sat	0800 - 1300	
Recycling Center Weilimdorf	Tue, Wed, Fri	0800 - 1200	1300 - 1600
Hemminger Straße 125	Thu	0800 - 1200	1300 - 1800
70499 Stuttgart-Weilimdorf	Every 2 & 4 Sat	0800 - 1300	
Recycling Center Münster	Mo, Tue, Wed, Fri	0800 - 1200	1300 - 1600
Burgholzstraße 31/1	Thu	0800 - 1200	1300 - 1800
70376 Stuttgart-Münster	Sat	0800 - 1300	

<sup>⇒</sup> Further information about the recycling centers can be found under the <a href="https://www.stuttgart.de/service/entsorgung/annahmestellen/wertstoffhof.php">https://www.stuttgart.de/service/entsorgung/annahmestellen/wertstoffhof.php</a>
#die-einzelnen-wertstoffhoefe



# Paper & Cardboard

In the City of Stuttgart, paper and cardboard are collected in a green container. Below is a list of the types of materials that can be disposed of in the green containers.

- ⇒ Please fold bulky materials such as cartons or boxes before putting into the container
- ⇒ Remove paper clips, adhesive tapes, plastics, and other packaging materials



- $\Rightarrow$  75% of each tree that is cut for paper is not used in a paper product.
- ⇒ Recycling a single run of the Sunday *New York Times* would save 75,000 trees.



# **Packaging Materials**

The yellow bags are used for collecting recyclable plastic and packaging materials in Stuttgart. Below are some items that can be disposed of in the yellow bags.

- ⇒ Recycled plastic is used to make new bottles and containers, irrigation pipes and fleece jumpers.
- ⇒ Yellow bags can be obtained from recycling centers or city halls for free.
- ⇒ All recyclable items have to be empty before disposal, but must not necessarily be clean.



⇒ Locations where yellow bags are distributed: <u>https://www.gelbersack-stuttgart.de/verteilstationen</u>

- ⇒ Plastics thrown into the ocean kill as many as 1,000,000 sea creatures every year!
- ⇒ There is no limit to the amount of times an aluminum can be recycled.



# **Biodegradable Waste**

The container for biodegradable waste is solely for compostable waste from the kitchen and garden. For the City of Stuttgart, biodegradable waste is collected in a brown container. All biodegradable waste should be disposed of in this container as it is 100% recyclable. Never dispose plastic bags in biodegradable waste bins, even if the bags are labeled 'biodegradable', 'decomposable', or 'biobeutel'.



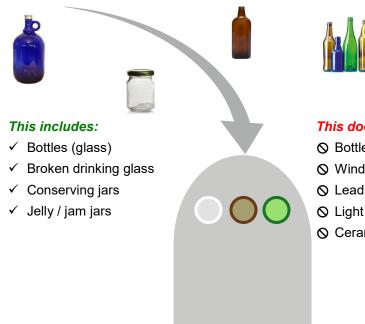
- ⇒ Do not dispose large chunks of wood in this bin, take them to the recycling center.
- ⇒ Always line your bin and wrap your waste with newspaper against odor and moisture and rinse your bin with the garden hose from time to time.
- ⇒ During winter, place a sheet of newspaper at the bottom of your bin to prevent waste from freezing to bottom.



## **Glass**

Glass is collected and sorted by colors: green, white (clear) and brown. In each community, there are public containers at specific locations for sorting and collection of glass-based materials.

- ⇒ Drop off glass bottles / jars by color. All other colors go as green.
- ⇒ Make sure to empty all glass bottles/jars before disposal.





#### This does not include:

- Bottle tops & caps
- ♦ Lead & crystal glass
- O Ceramics & porcelain

⇒ Container locations can be found under the following link: www.stuttgart.de/altglas

### Did you know that ...

⇒ Glass can be recycled many times. Only 3 to 7 % cannot be recycled per recycling process because of impurities.



## **Residual Waste**

Waste that cannot be recycled or whose means of recycling is not yet determined is considered residual waste. The waste is collected in a gray container for thermal treatment in waste incineration plants for generating energy.

- ⇒ Keep the amount of residual waste as low as possible.
- ⇒ Put greasy and oily paper or cardboard (e.g., soiled pizza boxes and sandwich paper wrappings) into residual waste, not into paper and cardboard containers.



#### This includes:



- ✓ Ashes, dust, dirt
- ✓ Broken items
- ✓ Cigarette butts
- ✓ Diapers
- ✓ Dirty recyclable trash
- ✓ Porcelain
- ✓ Paper napkins & tissues
- √ Vacuum cleaner bags
- ✓ Medical waste



#### This does not include:

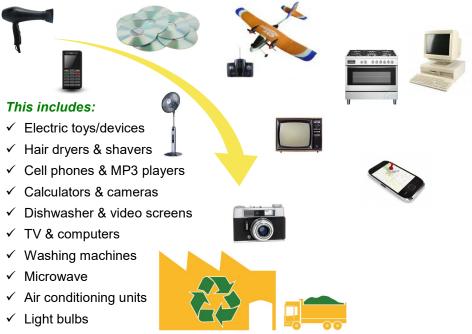
- All types of packaging
- Glass
- O Paper & Cardboard
- Hazardous waste

- ⇒ during incineration harmful gases, particles, and heavy metals are generated that must be filtered from the gases before emitted into the atmosphere?
- ⇒ a reduction of residual waste benefits not only the environment but also human health!



## **Electronic Waste**

All electronic devices are to be disposed at a recycling center. Large electronic devices (e.g., washing machine, fridge) can be picked up twice a year free of charge as bulk waste using a bulk waste disposal card (refer to page 56). Small electronic devices will not be picked-up; however, all electronic items can be brought directly to the recycling centers and dropped off free of charge.



⇒ For the disposal of a specific electronics, please check the following website for the disposal options:

https://www.stuttgart.de/abfall-abc

### Did you know that ...

⇒ Most electronic devices contain heavy metals and organic chemicals that pose a variety of hazards to human health and can cause cancer, if not recycled properly.



## **Hazardous Waste | Batteries**

Hazardous waste poses a threat to human health and the environment. Its disposal requires compliance with high environmental standards. Hazardous waste is to be disposed at the mobile waste collection points while household batteries can be placed in special collection boxes that are located at all shops selling batteries.



#### Important:

- ⇒ Provide substances in original and labeled container!
- $\Rightarrow$  **Never** mix different types of hazardous substances!
- ⇒ Car batteries can be returned to a scrap dealer or car repair shop for a small fee.
- ⇒ Date and location of the Mobile Waste Collection can be found under the following link: http://www.stuttgart.de/problemstoffe



# **Clothes & Shoes | Textiles**

Wearable clothes, shoes, and other textiles can be disposed in special containers often provided by non-profit organizations. While some containers are provided only for clothes and shoes, others are meant for other textiles.

- $\Rightarrow$  Only use containers provided by non-profit organizations.
- ⇒ Containers labeled with "Altkleider" means they are only for clothes and shoes.









#### This includes:

- ✓ Clothes
- √ Shoes (in pairs)
- ✓ Bed linen
- √ Household linen
- ✓ Table linen
- ✓ Woolen rugs & blankets





⇒ A map with container locations can be found under the following link: www.stuttgart.de/altkleider

- ⇒ 65% of all donated clothes are re-distributed as second hand.
- ⇒ 30% of items that are not wearable are recycled and used to produce new fabrics, while the remaining 5% are thermally recycled.



## **Bulk Waste**

Bulk waste is **picked up upon request**. The request be placed by phone, mail, or online (see link below). Pick-up upon request can be requested twice a year, free of charge, using a disposal card and with a lead time of 3 to 6 weeks. The disposal card is attached to the pick up schedule, provided by the city to all households at the beginning of each year. Bulk waste can also be brought directly to a Recycling Center and dropped off free of charge.



- ⇒ An express pick-up is possible (lead time: 48 hrs) for additional fees.
- ⇒ For pick-up request, see link <a href="https://service.stuttgart.de/lhs-services/aws/">https://service.stuttgart.de/lhs-services/aws/</a>
- ⇒ Bulk waste and large electronics can be disposed directly at a Recycling Center two times a year (free of charge using waste disposal card).
- ⇒ Contact your City Council to obtain a calender in case you have not received one.

# **Waste Dictionary**

Landkreis Abfall Waste County Abfallbehälter Waste bin Leerung Pick-up Öffnungszeiten Abholkalender Pick-up schedule Opening hours Altkleider Clothes Restmüll Residual Waste Altreifen Tires Sammlung Collection Mobile Hazardous Waste Schadstoffmobil Anmeldung Registration Collection Bestellkarte Disposal card Schrott Scrap metal Energiesparlampe Energy-saving light bulb Selbstanlieferung Self-delivery Entsorgungsstation Disposal point Sperrmüll Bulk waste Gebühr Tonne Bin / container Fee / charge Hazardous substance / Vermieter Gefahrstoff I andlord waste Gelber Sack Yellow bag Verpackung Packaging Glas/Dosen Glass / cans Wertstoff Resource Kühlgerät Refrigerator Wertstoffhof Recycling Center

# Notes:



## **Contacts**

### County of Böblingen

Phone: +49 7031 - 663 1550

email: abfallinfo@lrabb.de

### **County of Esslingen**

Phone: 0800 - 931 25 26

email: service-awb@lra-es.de

### **County of Ludwigsburg**

Phone: +49 7141 - 144 2828

email: servicecenter@avl-lb.de

### **City of Stuttgart**

Phone: +49 711 - 216-88700

email: aws-kundenberatung@stuttgart.de





Landkreis Esslingen





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