

Procedures for handling waste

Iggesunds Bruk
Environment & quality

2010-10-15

Recycling

The colour of the containers can sometimes be different from the colour that the routine indicates. This is because there are sometimes a shortage of containers of a certain colour. However, the marking on the container is always to be followed.

Wood waste

| | |
|-----------------------------|-------------------------------|
| EWC-code: | 17 02 01 |
| Responsible for routine: | Waste engineer |
| Operational responsibility: | Each department manager |
| Place for collection: | Green Containers |
| Final Destination: | Wood grinder at the wood yard |

Examples of combustible materials are: broken wooden pallets, untreated wood such as shape wood



Wood grinder

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Stainless waste

| | |
|-----------------------------|--------------------------------|
| EWC-code: | 17 04 05 |
| Responsible for routine: | Waste engineer |
| Operational responsibility: | Supervisor Maintenance |
| Place for collection: | Blue Containers |
| Final Destination: | Internal or external recycling |

The blue containers are being transported to interim storage for sorting and recycling.

Aluminium is sorted out and placed in special containers

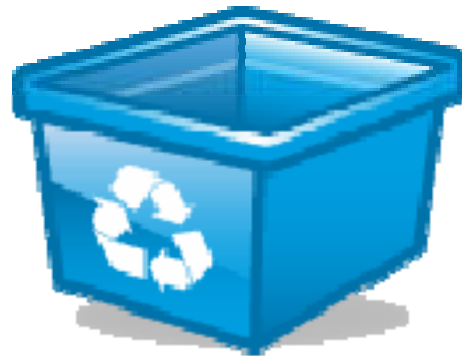
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Iron waste

| | |
|-----------------------------|------------------------|
| EWC-code: | 17 04 05 |
| Responsible for routine: | Waste engineer |
| Operational responsibility: | Supervisor Maintenance |
| Place for collection: | Blue Containers |
| Final Destination: | External recycling |



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Corrugated paper

| | |
|-----------------------------|--------------------------|
| EWC-code: | 20 01 01 |
| Responsible for routine: | Waste engineer |
| Operational responsibility: | Each department manager |
| Place for collection: | Containers marked "well" |
| Final Destination: | External recycling |



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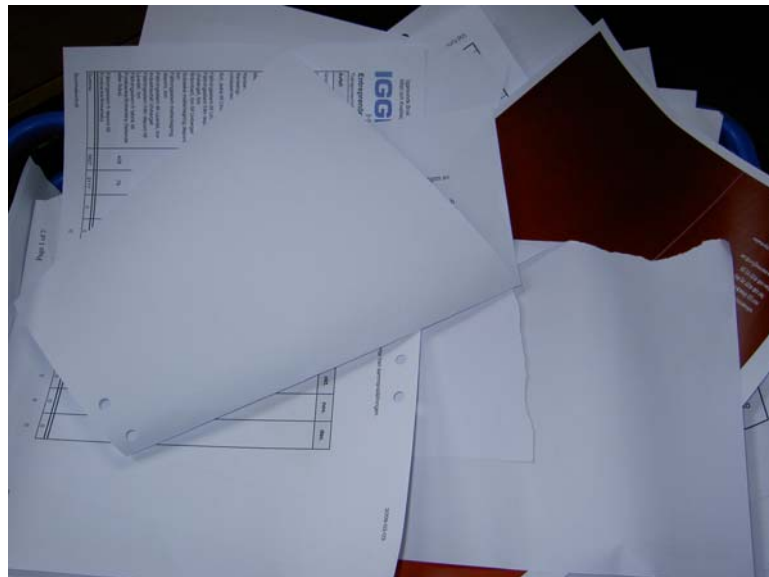
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Copy paper

| | |
|-----------------------------|-----------------------------------|
| EWC-code: | 20 01 39 |
| Responsible for routine: | Waste engineer |
| Operational responsibility: | Each department manager |
| Place for collection: | Containers marked “kontorspapper” |
| Final Destination: | External recycling |

Copy paper are being collected from each department for further transport to external recycling.



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Glass

| | |
|-----------------------------|-------------------------|
| EWC-code: | 16 01 20 |
| Responsible for routine: | Waste engineer |
| Operational responsibility: | Each department manager |
| Place for collection: | The store, east side |
| Final Destination: | External recycling |

Coloured and clear glass are to be left in marked containers that are set on the east side of the store



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Electronic waste

| | |
|-----------------------------|-----------------------------|
| EWC-code: | 20 01 35 |
| Responsible for routine: | Waste engineer |
| Operational responsibility: | Each department manager |
| Place for collection: | Containers marked "elskrot" |
| Final Destination: | External recycling |



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Hazardous waste

Accumulators (Lead-acid batteries)

| | |
|-----------------------------|---------------------------------------|
| EWC-code: | 20 01 33 |
| Responsible for routine: | Pentti Peltonen |
| Operational responsibility: | Each department manager |
| Place for collection: | Store, collection for hazardous waste |
| Final Destination: | External recycling |

Batteries containing **acid**:

At the place for collection in the store is a storage box for used lead-acid batteries located. The person that leaves the batteries is responsible for that the batteries are sorted correctly.

Batteries containing **lye**:

Batteries containing lye can not be mixed with other types of batteries and should therefore be left till at the storage at pallets and be marked as "lutbatterier" (lye batteries)

Truck batteries and other bulky batteries must be anchored on pallets

Batteries supplied to the store must be whole, clean and sealed.

Damaged batteries may not be submitted until contact has been made with Pentti Peltonen

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Batteries (from torches, telephones and pagers)

| | |
|-----------------------------|--------------------------------------------------------------------|
| EWC-code: | 20 01 33 |
| Responsible for routine: | Pentti Peltonen |
| Operational responsibility: | Pentti Peltonen |
| Place for collection | At the eastern entrance of the store At the porter (reception) |
| Interim storage: | Store, collection for hazardous waste |
| Final Destination: | Municipal waste handling, Hudiksvall |

Unsorted dry batteries are to be collected in portable containers that are placed around the mill.

Note: Lead-acid batteries can not be left in those containers.

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Electronic waste

| | |
|-----------------------------|-------------------------------------------------------|
| EWC-code: | 16 02 13 |
| Responsible for routine: | Pentti Peltonen |
| Operational responsibility: | Supervisor Maintenance H-O Wimark at IT-department |
| Place for collection | Electric-workshop IT-workshop |
| Interim storage: | Store |
| Final Destination: | External recycling and municipal waste handling |

Monitors, computers, keyboards, printers and copiers and bulky electronic device provided to the store. Waste must be labelled "skrot".

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Fluorescent lamps, bulbs

| | |
|-----------------------------|----------------------------------------|
| EWC-code: | 20 01 21 |
| Responsible for routine: | Pentti Peltonen |
| Operational responsibility: | Supervisor Maintenance |
| Place for collection | Contact Pentti Peltonen 0046 650 28340 |
| Final Destination: | Municipal waste handling |

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Waste from office

EWC-code: 20 01 99
Responsible for routine: Pentti Peltonen
Operational responsibility: Each department manager
Place for collection Organized within each department

Final Destination:

Office Waste follows the procedures that exist for the waste categories

| | |
|----------------|---------------------------------|
| Diskettes | Handled as other residual waste |
| Ink cartridges | Deliver to a receiving area |
| Pens | Handled as other residual waste |
| Thermometers | Deliver to a receiving area |

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Electronic waste

| | |
|-----------------------------|-------------------------------------------------------------------|
| EWC-code: | 16 02 13 |
| Responsible for routine: | Pentti Peltonen |
| Operational responsibility: | Project leader Supervisor Maintenance |
| Place for collection | East side of Maintenance building Wharf of cardboard machine 1 |
| Final Destination: | External recycling |

Electric motors and other electronic waste

Small motors and electronic equipment that is to be scrapped shall be collected in containers marked "Elskrot".

When bigger electronic equipment is to be scrapped contact Pentti Peltonen (0046 650 28340)

Switchgear

An agreement should be made with an external recycling company when switchgears are to be scrapped. The agreement should include place for collection, transports and fees.

Copper bars are to be sold separately to external recycling companies
The separation of copper bars should normally be included when the demolition is purchased.

Transformers

Before transformers are to be sent for scrapping the oil in the transformer is to be analysed. Contact Pentti Peltonen (0046-650-28340)

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Cable

| | |
|----------------------------|------------------------------------------|
| EWC-code: | 17 04 10 * |
| Responsible for routine: | Pentti Peltonen |
| Operational responsibility | Project leader Supervisor Maintenance |
| Place for collection: | Contact Pentti Peltonen 0046 650 28340 |
| Final destination: | External recycling |

All cable should be collected and placed in containers marked "kabelskrot".

If needed an extra container it can be ordered from the store

If cable are placed in the wrong container the entrepreneur will be charged for the cost.

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Chemicals, toxic metals, radioactive isotopes, etc.

Contaminated packaging that makes specific demands on the collection, such as toxic / corrosive

| | |
|----------------------------|-----------------------------|
| EWC-code: | 15 01 10 |
| Responsible for routine: | Pentti Peltonen |
| Operational responsibility | Each department manager |
| Place for collection: | Outside next to the storage |
| Final destination: | Supplier / reconditioners |

Before the container is returned follow those instructions:

Containers that have contained chemicals:

- Wash the container on both it's inside and it's outside
- Warnings and content labels must remain on the container and be legible
- The closures are to be retained and be undamaged

When the container is treated according to the instructions, it shall be labeled "tom och urspolad". Labels can be ordered at the storage tel +46 650 28340

Containers that have contained oils

- The container must be completely emptied and washed on it's outside
 - Warnings and content labels must remain on the container and be legible
- The closures are to be retained and be undamaged

Small containers

Small plastic containers (bottles, cans, boxes etc.) should after cleaning be put in containers marked "Övrigt restavfall"

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Asbestos-containing material from demolition

| | |
|-----------------------------|---------------------------------------|
| EWC-code: | 17 06 01 |
| Responsible for routine: | Pentti Peltonen |
| Operational responsibility: | Certified entrepreneur |
| Place for collection: | Store, collection for hazardous waste |
| Final destination: | External disposal |

Remediation of Asbestos-containing material is only to be done by an certified entrepreneur. The material is to be send for external disposal.

Glue, paint, solvents, etc.

Spray bottles

| | |
|--------------------------|----------------------------------------|
| EWC-code: | 15 01 10 |
| Responsible for routine: | Pentti Peltonen |
| Place for collection: | Contact Pentti Peltonen 0046 650 28340 |
| Interim storage: | Store, collection for hazardous waste |
| Final destination: | External disposal |

Empty spray bottles should be placed in containers marked " aerosoler ". The containers are located at the collection for hazardous waste.

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Wastes from the use of paints, varnishes, adhesives and sealants

| | |
|--------------------------|---------------------------------------|
| EWC-code: | 080111 080411 |
| Responsible for routine: | Pentti Peltonen |
| Place for collection: | Store, collection for hazardous waste |
| Final destination: | RagnSells Timrå |

The waste is placed in the containers labeled "Färg, lack, lim and fogmassa" located in the interim storage for hazardous waste.

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Petroleum products

Oil filters, filter elements and oil hoses

| | |
|-----------------------------|---------------------------------------------------|
| EWC-code: | 15 02 02 |
| Responsible for routine: | Pentti Peltonen |
| Operational responsibility: | Each department manager |
| Place for collection | Environmental stations oil, grease and absorbents |
| Interim storage: | Store collection for hazardous waste |
| Final destination | External disposal |

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Other oily wastes

| | |
|-----------------------------|--------------------------------------|
| EWC-code: | 12 01 12 |
| Responsible for routine: | Pentti Peltonen |
| Operational responsibility: | Each department manager |
| Place for collection | Store collection for hazardous waste |
| Final destination: | RagnSells Timrå |

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Waste oil

| | |
|-----------------------------|---------------------------------------------------|
| EWC-code: | 13 02 08 |
| Responsible for routine: | Pentti Peltonen |
| Operational responsibility: | Each department manager |
| Place for collection | Environmental stations oil, grease and absorbents |
| Interim storage: | Waste oil tank |
| Final destination: | External disposal |

Collection of waste oil

Waste oil is to be placed in container marked "spillolja" at environmental stations. Full containers are transported to the mills waste oil tank and the oil is pumped over to the tank.

For Instruction for handling of waste oil containers please contact Pentti Peltonen 0046 650 28340

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Excavated material

| | |
|-----------------------------|------------------|
| EWC-code | 17 05 03 |
| Responsible for routine: | Waste engineer |
| Operational responsibility: | Project leader |
| Final destination: | Skärnäs landfill |

Within the Mill area there are soil contaminated with varying pollutant content. For digging and excavation work on the site, soil that are different in terms of colours, smell or texture shall not be reused. Contaminated soil shall be deposited on Iggesunds own landfill at Skärnäs

Before the masses are transported to the landfill contact
Bengt-Arne Wexell (0650-28234)

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Other type of waste

Other residual waste (övrigt restavfall)

| | |
|-----------------------------|-------------------------|
| EWC-code: | 16 03 06 |
| Responsible for routine: | Waste engineer |
| Operational responsibility: | Each department manager |
| Place for collection | Red containers |
| Final destination | SITA |

Other residual waste is defined as a fraction that is not possible to dispose or recycle and which can not be classified under other waste fraction. Example as other residual waste is: plastic, fibreglass, rubber, insulation, plasterboard, clothes/shoes, rags, rope etc.

Other residual waste shall not contain more than a maximum of 10% organic matter
Other residual waste is not the same as combustible waste, which means that, for example, wood and corrugated cardboard can not be sorted as other residual

Other residual are collected by SITA for external disposal.

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Food and containers contaminated by food

| | |
|-----------------------------|------------------------------------|
| EWC-code: | 20 01 08 |
| Responsible for routine: | Waste engineer |
| Operational responsibility: | SITA |
| Place for collection | Containers marked "hushållsavfall" |
| Final destination: | Municipal waste handling |

Definition: Anything that is contaminated with food

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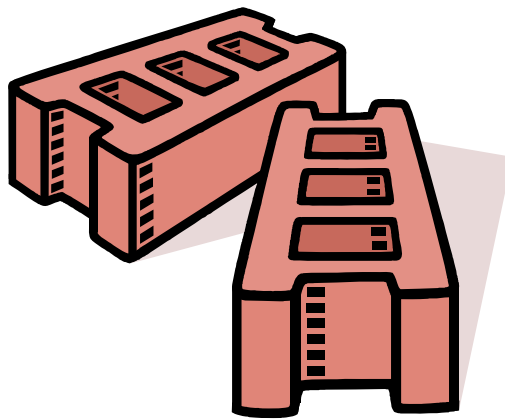
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Bricks, concrete, gravel

| | |
|-----------------------------|----------------------------------------|
| Responsible for routine: | Waste engineer |
| Operational responsibility: | Each department manager |
| Place for collection: | Marked containers |
| Final Destination: | Skärnäs deponi (Construction material) |

Containers can be ordered by phoning the department for transports phone. + 46 650 282 71.



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Appendix 1

Environmental stations oil, grease and absorbents

